

April 9, 1997
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Mr. Richard Kraber
Vice President of Finance
Wind River Systems, Inc.
2021 Challenger Drive
Alameda, California 94501

**Subject: Site Characterization Report and Remediation Plan
Wind River Systems Alameda Site**

Dear Mr. Kraber;

We are pleased to submit the following draft report for your review. This report summarizes the results of soil and groundwater characterization studies of the Encinal Real Estate, Alameda Beltline, Atchison Topeka and Santa Fe, and City of Alameda parcels of property that are within the planned Wind River Systems Site. A proposed Remediation Plan for the site is presented. The Remediation Plan assumes that the site will be developed for commercial use. The requested estimate for remediation costs will be presented separately.

Please call if you have any questions.

Sincerely,



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Senior Consultant



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Enclosure: Site Characterization Report and Remediation Plan



REPORT

SITE CHARACTERIZATION REPORT AND REMEDIATION PLAN WIND RIVER SYSTEMS ALAMEDA SITE

Prepared for

Wind River Systems, Inc.
2021 Challenger Drive
Alameda, CA 94501

April 1997

Woodward-Clyde 

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This Site Characterization Report and Remediation Plan was prepared to summarize the environmental conditions of the soil and groundwater at the subject site. An office complex is planned to be developed at the site, which is located at the west side of the Alaska Basin at the north end of Sherman Street, Alameda, California. Wind River Systems, a software company, intends to develop the site as office and commercial space. This report summarized the findings of previous investigations at the site along with soil and groundwater investigations performed by Woodward-Clyde Consultants in 1996 and 1997.

The site consists of ten parcels which total about 32 acres, as shown on a map dated 3-5-97, prepared by Brian Kangas Foulk, Engineers-Surveyors-Planners, Redwood City, California. That map also shows that about 10 acres of the parcels are located in the water of the Oakland Estuary. Only a portion of Parcels 1, 2 and 6, located at the south end of the site and owned by the Alameda Beltline (ABL), are within the site boundaries. The areas of these parcels within the site are: 0.08 acres for Parcel 1, 0.19 acres for Parcel 2, and 0.23 acres for Parcel 6. Parcel 3, is a 3.7 acre Parcel is also owned by ABL that extends as a narrow parcel northward through the site. Parcel 7 includes a pie shaped parcel at Sherman Avenue, and a narrow parcel that extends northward into the Estuary, that total 1.71 acres.

Parcel 8 is a narrow parcel, about 22 feet wide, identified as "Lands of Planatal Company" that is about 0.74 acres in size extending northward through the center of the site. This has also been identified in the text of this report as the City of Alameda Parcel, since the Planatal Company may not exist. Parcel 9, owned by the Atchison Topeka and Santa Fe Railroad (A.T. & S.F. R.R.) is a 1.41 acre parcel mostly in the water, located at the north end of the site. Parcel 10, owned by Southern Pacific Investments, is a 4.64 acre parcel. Southern Pacific Investments property is also referred to in this report as the "Encinal Real Estate" property. Parcel 11 is a 0.80 acre parcel, located at the northwest corner of the property, and owned by Pacific Investments. The largest parcel is Parcel 12, 18.79 acres in size, owned by Encinal Industries Inc. Parcel 12 is also referenced in this report as an Encinal Real Estate parcel.

The Alameda Beltline and Atchison Topeka & Santa Fe parcels are currently unused. Parcel 10 is occupied by a warehouse and Parcel 12 is used to store materials being loaded and off-loaded from ships at the dock on the parcel. The City of Alameda parcel is occupied by an above ground power line, and a buried storm drain.

The scope of work included drilling of 16 Geoprobe borings, collection of soil and groundwater samples from these borings, collection of 11 shallow soil samples, collection of composite soil samples from stockpiled soil, and laboratory analysis of soil and groundwater samples. The exploration was conducted on the two Encinal Real Estate parcels, the City of Alameda parcel, and the Alameda Beltline Railroad Parcel (ABL) located south of the rail line and adjacent to Sherman Street, as shown in Figure 1. Soil and groundwater samples were analyzed for: metals, volatile organic compounds, semi-volatile organic compounds, pesticides and PCBs, herbicides, and total petroleum hydrocarbons as gasoline, diesel, and motor oil. These results were compiled along with the results of previous WCC studies of the ABL and A.T. & S.F. parcels. The detections of compounds were compared with relevant criteria for commercial developments from the USEPA, State of California, and the Alameda County Environmental Health Department. Recommended remedial actions for soil with concentrations of compounds exceeding the criteria were developed and presented as part of a written report of the findings.

Previous environmental studies have been performed at the site by MSE Environmental in 1990(a)(b), Kaldveer Associates (1990), and by Geomatrix Consultants in 1993, 1994, and 1995. Woodward-Clyde Consultants explored the ABL and A.T. & S.F. parcels in 1996.

3.1 GEOMATRIX CONSULTANTS

In 1994 Geomatrix Consultants performed a series of grab groundwater investigations which resulted in the location of the downgradient limit of groundwater containing 1,1-DCA (see Appendix A). Groundwater monitoring well MW-10 was installed at the downgradient limit of the zone of groundwater with 1,1-DCA to monitor potential migration of 1,1-DCA in groundwater. Geomatrix prepared a Screening Health Evaluation for 1,1-DCA in groundwater (Appendix A) to evaluate the potential risk to future residents due to detected concentrations of 1,1-DCA in soil and groundwater. They concluded that the estimated lifetime excess cancer risk for a hypothetical future on-site resident is 3 in 10 million, which is lower than the range of risks generally considered acceptable by regulatory agencies. Geomatrix Consultants directed soil excavation at 2020 Sherman Avenue (smaller Encinal parcel) to remediate detected 1,1-DCA in soil at the southeast corner of the warehouse building. About 300 to 400 cubic yards of soil was excavated and placed in on an asphaltic concrete paved area west of the warehouse for aeration and natural degradation of the volatile organics. Confirmation soil samples for three sides of the excavation and most of the bottom confirmed that soil had been removed to near the detection limit of 2.5 parts per billion (ug/kg). However, at the east side of the excavation, at the boundary of the ABL property, soil remained with 170 to 1,700 parts per billion 1,1-DCA.

3.2 WOODWARD-CLYDE CONSULTANTS

In response to a letter from Ms. Madhulla Logan, with the Alameda County Environmental Health Department, WCC collected six composite samples from the stockpiled soil in July of 1996 and submitted the soil to an analytical laboratory for analysis for volatile organic compounds. A report was submitted to Ms. Logan documenting that no 1,1-DCA or other volatile organic compounds were detected in the stockpiled soil. It was concluded that the stockpiled soil could be re-used on site as fill material.

Following approval by Alameda County, of our August 29, 1996 excavation plan, WCC explored soil on the ABL property where 1,1-DCA was reported to remain. That excavated soil was stockpiled on plastic on the paved Encinal site west of the warehouse. Analysis of confirmation soil samples showed that the concentration of 1,1-DCA remaining in soil at the sides and bottom of the excavation was near the detection limit of 2.5 parts per billion.

In response to a letter from Ms. Logan, WCC prepared a Fate and Transport Study to evaluate potential impacts to the Oakland Estuary from possible migration of 1,1-DCA in groundwater. That study was reviewed by Ms. Logan, who prepared a letter, dated December 17, 1996, stating that no further action is required for solvents at the site (Appendix A).

WCC prepared a report, dated September 27, 1996, documenting the results of our investigation of soil and groundwater conditions on the ABL and A.T. & S. F. parcels. That study included the results of shallow soil sampling, sampling of groundwater from seven Geoprobe borings, sampling of sediment from the Estuary at three locations, and from the shoreline at two locations.

Summary tables of the results of laboratory analyses from that 1966 study are included in Appendix B. The results of shallow soil sampling are presented on Figures 1 through 3.

4.1 PREVIOUS EXPLORATION ABL AND A.T. & S.F. PARCELS

Previous site exploration of the ABL and A.T. & S.F. parcels, performed by WCC in 1996, is shown on Figures 1 through 3. Previous exploration included soil and groundwater from Geoprobe borings B-1 to B-7, shallow soil samples S-1 to S-10, sediment samples M-1, M-2, Estuary samples BM-1 to BM-3. Details of the previous shallow soil sampling for analysis for lead is shown on Figure 3.

4.2 EXPLORATION OF ENCINAL, ALAMEDA AND ABL PARCELS

Exploration of the Encinal Real Estate, City of Alameda, and the small ABL parcel near Sherman Street, is also shown on Figures 1 to 4. Geoprobe borings G-1 to G-16 were drilled to depths of about 10 to 12 feet. A shallow drive sample was collected from depths of about 1/2 to 1 foot below the surface from each boring. Samples were collected in brass tubes, the ends were sealed with plastic end caps, the tubes were labeled and placed on ice in an ice chest.

PVC well screens were placed in the Geoprobe borings as temporary well points. Stabilized groundwater levels were measured. Each well casing was surveyed to a temporary bench mark and the survey information plotted on CAD drawings. The relative groundwater elevations were plotted on the base map and are shown on Figure 2. Shallow soil samples SS-1 to SS-11 were collected using a hand auger from within one foot of the surface.

Shallow soil samples were placed in brass tubes and sealed as described above. Fifteen 4-point soil samples were collected from stockpiles and were composited in the laboratory. The sample locations are shown on Figure 1. Stockpile samples were collected using brass liners and by sealing the soil in the liners with plastic end caps. All of the soil samples were placed on-ice in ice chests and shipped to the laboratory under Chain of custody procedures.

5.1 GROUNDWATER GRADIENT

The depth to groundwater ranges from about 1 foot below ground surface at G-15 and G-16 to over 8 feet at G-5, as shown on Table 1. As shown on Figure 2 the relative groundwater elevation ranges from about 9 feet on the west side of the site to about 2 feet on the east side of the site. The relative groundwater gradient shows that groundwater elevations slope downward to the east and north from the vicinity of boring G-15. The approximate groundwater flow direction is eastward from G-15 and northward from G-15 towards the Estuary.

5.2 DETECTED COMPOUNDS IN GROUNDWATER

Groundwater samples from the Geoprobe borings were analyzed in the laboratory for: Title 22 metals, volatile organic compounds (VOCs) using EPA Method 8260, semi-volatile organic compounds (SVOCs) using EPA Method 8270, pesticides and PCBs using EPA Method 8081, herbicides using EPA Method 8151, and Total Petroleum Hydrocarbons as gasoline, diesel and motor oil using EPA Method 8015 modified.

5.2.1 Detected Metals

As shown on Table 6, of the 17 metals analyzed in groundwater nine metals were not detected above their reporting limits. Arsenic, barium, cobalt, and mercury were detected at concentrations below the California Maximum Contaminant Level (MCL) for drinking water, and below the California Water Quality Objectives for marine waters. Cadmium is detected at 9.6 ug/L, slightly above the California MCL of 5 ug/L and the California Water Quality Objective of 9.3 ug/L, in only one boring (G-11).

Lead is reported for groundwater from G-5, G-6, G-9, G-10 and G-11 at concentrations below the MCL of 15 ug/L, but slightly above the California Water Quality Objectives of 5.6 ug/L. The highest reported concentration for lead is 244 ug/L in boring G-1, which exceeds the MCL of 15 ug/L and the California Water Quality Objectives of 5.6 ug/L. As will be shown later, the highest reported lead in groundwater (G-1) is not clearly associated with the location where the highest concentration of lead in soil is reported (SS-11 near B-5). See Table XV in Appendix B to review the results of previous analyses of groundwater from the ABL parcel for metals.

Zinc is reported in groundwater below the MCL (5,000 ug/L) and below the California Water Quality Objective of 86 ug/L in borings G-1, G-9, and G-12. Reported zinc at 106 ug/L in G-10 and 429 ug/L in G-11 both exceed the California Water Quality Objective, but not the MCL. The highest concentration of zinc reported on the ABL parcel is 2,440 ug/L in B-5 (Table XV in Appendix B) which is in the general vicinity of G-11. It is consistent with the previous detection of 2,950 mg/kg zinc in soil at B-5 as shown in Table III (Appendix B). Zinc is not reported in groundwater above the reporting limits of 20 and 50 ug/L in borings nearer to the Estuary.

Nickel is reported in groundwater in G-9 and G-14 to exceed the California Water Quality Objective of 5.3 ug/L, but not the MCL of 100 ug/L. Nickel is reported in groundwater at 140 ug/L in G-10, 1,920 ug/L in G-11, and 138 ug/L in G-12. Nickel is not reported above the reporting limit of 40 ug/L in borings nearer to the Estuary.

5.2.2 Detected Organics

Only one Semi-Volatile Organic compound, Phenol, was detected in groundwater from two borings (G-6 at 100 ug/L, and G-8 at 58 ug/L) above the reporting limit. There is no established MCL for Phenol, but the USEPA PRG for tap water is 21,900 ug/L for Phenol. The California Water Quality Objective is 30 ug/L.

Analysis of groundwater for Volatile Organic Compounds using EPA Method 8260 resulted in detection of low concentrations of acetone in groundwater from three borings (G-5, G-6, and G-8), 1,1-DCA from three borings (G-9, G-10, and G-12), and 1,1,1-TCA from two borings (G-10 and G-12). The maximum concentrations of reported acetone (42 ug/L in G-8) did not exceed the PRG for tap water of 608 ug/L. The reported concentrations of 1,1,1-TCA of 23 ug/L in G-10 and 5 ug/L in G-12 did not exceed the MCL (200 ug/L) or the PRG (792 ug/L). The reported concentrations of 1,1-DCA of 12 ug/L in G-9, 190 ug/L in G-10 and 12 ug/L in G-12 did exceed the MCL of 5 ug/L.

5.2.3 Detected Petroleum Hydrocarbons

Total Petroleum Hydrocarbons as Gasoline (TPHg) was detected just above the reporting limit in four groundwater samples, G-5, G-10, G-14 and DG-13 (duplicate of G-13). Each of these detections (Table 5) were reported at 50 mg/L except G-10 which was reported at 140 mg/L. No TPHg was reported above the 50 mg/L reporting limit for the other groundwater samples. No benzene, toluene, ethylbenzene or xylenes were reported in these groundwater samples.

Total Petroleum Hydrocarbons as Diesel (TPHd) was detected above the reporting limit in all of the groundwater samples collected (Table 5). The reported concentrations of TPHd in groundwater ranged from 130 mg/L in G-16 to 660 mg/L in G-4. The laboratory report notes that "The concentration reported as diesel for samples G-1, G-14, G-13, G-16, G-11, G-6, G-8, G-10 and G-9 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel." There is no established MCL or PRG for TPHg in drinking water. In addition, it is unlikely that this groundwater would be used as drinking water.

Previous exploration of groundwater at the ABL parcel has detected TPHg at 80 mg/L groundwater samples from B-5 and 60 mg/L from B-6 (Table XIV in Appendix B). Previous exploration of groundwater at the ABL parcel has detected TPHd in groundwater from borings B-1 to B-7 at concentrations ranging from 130 mg/L in B-4 to 550 mg/L in B-7. TPH as motor oil was also reported in groundwater samples from B-1 to B-7 at concentrations ranging from <100 mg/L in B-4 to 1,700 mg/L in B-3.

5.2.4 Pesticides, PCBs and Herbicides

The laboratory reported no detections of pesticides, PCBs or herbicides above the reporting limits (Table 5) for groundwater samples analyzed. It should be noted that no groundwater was obtained for analysis from G-2 and G-3, and insufficient sample was available from G-1, G-6, G-8 and DG-13 for herbicides analysis.

Previous analyses of groundwater from the ABL parcel also resulted in no detection above the reporting limit for pesticides and PCBs (Table XI, Appendix B). Previous analyses of

groundwater from the ABL parcel found only one detection above the reporting limit for herbicides (1.27 ug/L dichlorprop in B-1). There is no listed MCL, or PRG tap water for dichlorprop.

5.3 COMPARISON OF GROUNDWATER RESULTS TO RELEVANT CRITERIA

5.3.1 Detections of Metals in Groundwater

In one groundwater sample (the reported concentration of cadmium (9.6 ug/L) exceeds the California MCL of 5 ug/L. This detection does not exceed the California Water Quality Objective of 92 ug/L. Because it is unlikely that this water will be used as drinking water we believe that exceeding the MCL is not a significant issue because the water is not intended to be ingested. Also, the laboratory reports no detection of cadmium in groundwater at locations closer to the Estuary (G-12, G-5, G-6, G-8) indicating that there is a low potential for impact to the Estuary.

Lead was reported in groundwater from six borings (G-1, G-5, G-6, G-9, G-10 and G-11). Five of these detections were less than the MCL of 15 ug/L. Four of these detections were slightly above the California Water Quality Objective of 5.6 ug/L (G-5, G-6, G-10 and G-11) see Table 6. One reported detection of 244 ug/L in boring G-1 exceeds the MCL and the California Water Quality Objective. Because it is unlikely that this water will be used as drinking water we believe that exceeding the MCL is not a significant issue because the water is not intended to be ingested. This boring is about 100 feet from a dock structure that separates the land from the Estuary. Because of the distance to the Estuary and the presence of the dock we believe that there is a low potential for the detected lead to impact the Estuary.

Nickel is reported above the reporting limit for groundwater samples from five borings (G-9 to G-12, and G-14). Two of the detections (61.3 ug/L in G-9 and 62.7 ug/L in G-14) do not exceed the MCL (100 ug/L) but do exceed the California Water Quality Objective of 5.3 ug/L (Table 6). Three of these detections (140 ug/L in G-10, 1,920 ug/L in G-11, and 138 ug/L in G-12) exceed the MCL (100 ug/L), PRG Tap Water (730 ug/L), and the California Water Quality Objective (8.3 ug/L). These three locations are beneath the existing warehouse building, and represent a localized condition. There were no reported detections above the reporting limit (40 ug/L) for groundwater from locations closer to the Estuary (G-4, G-5, G-7, G-8). Previous analyses of groundwater from borings B-5, B-6 and B-7 show no detections of nickel above the 40 ug/L reporting limit (Table XV, Appendix B). Because it is unlikely that this water will be used as drinking water we believe that exceeding the MCL is not a significant issue because the water is not intended to be ingested. Because of the distance to the Estuary (more than 200 feet from G-12, and more than 450 feet from G-11) and no detections in borings nearer to the Estuary we believe that there is a low potential for detected nickel to impact the Estuary.

Zinc is reported above the reporting limit (50 ug/L) from groundwater samples from five borings (G-1, G-9 to G-12) as shown in Table 6. None of the reported concentrations exceed the MCL (5,000 ug/L) or the PRG for Tap Water (11,000 ug/L). Two of the detections (106 ug/L in G-10, and 429 ug/L in G-11) exceed the California Water Quality Objectives of 86 ug/L. One previous groundwater sample from B-5 has a reported concentration of 2,440 ug/L zinc (Table XV, Appendix B). Because of the distance to the Estuary (450 feet from G-11, 300 feet from B-5)

and no detections exceeding the Water Quality Objective in borings closer to the Estuary (<50 ug/L in G-5, G-6, G-7 and G-8) we believe that there is a low potential for detected zinc to impact the Estuary.

5.3.2 Detected Organics in Groundwater

The reported concentrations of acetone (maximum 42 ug/L in G-8) do not exceed the PRG for tap water of 608 ug/L. There is no established MCL of acetone. In addition acetone is a common laboratory contaminant and at these low concentrations these detections might be laboratory artifacts.

The reported concentrations of 1,1,1-TCA (maximum 23 ug/L in G-10) are well below the MCL of 200 ug/L.

The three reported detections of 1,1-DCA (17 ug/L in G-9, 190 ug/L in G-10 and 12 ug/L in G-12) exceed the MCL but do not exceed the 1,800 ug/L used in the Geomatrix Screening Health Evaluation. That evaluation resulted in an estimated lifetime cancer risk of 3 in 10 million which is lower than the range of risks generally considered acceptable by regulatory agencies.

Phenol was detected in only two groundwater samples (100 ug/L in G-6 and 58 ug/L in G-8). These two detections are below the PRG for tap water of 21,900. There is no established MCL for phenol. These detections exceed the California Water Quality Objective of 30 ug/L.

5.3.3 Detected Petroleum Hydrocarbons in Groundwater

There are no established MCLs or PRGs tap water for TPH gasoline or diesel. TPH gasoline is reported at a maximum of 140 ug/L for groundwater samples from only four borings (G-5, G-10, G-14, and G-15). TPH gasoline is reported at 80 ug/L in B-5 and 60 ug/L in B-6 from the previous studies of the ABL parcel (Table XIV, Appendix B).

TPH diesel is reported in groundwater from all of the borings (G-1 to G-16) except for G-2 and G-3 where water was not sufficient for collecting a sample. The reported concentration of diesel ranges from 130 mg/L in G-16 to 660 mg/L in G-5. Previous analyses of groundwater from borings B-1 to B-7 resulted in reported detections of 130 to 550 mg/L TPH gasoline (Table XIV, Appendix B) on the ABL parcel. Previous analysis of those groundwater samples also detected from 190 to 1,700 mg/L motor oil. Because there is no established MCL or PRG tap water for gasoline, diesel, or motor oil and it is unlikely that this groundwater will be used for drinking it is our opinion that there is a low potential for TPH diesel or gasoline in groundwater impacting future workers and occupants of the planned commercial development. In addition, because no benzene, toluene, ethylbenzene, or xylenes were detected above their reporting limits for groundwater sampled there is a low potential for the TPH compounds to impact the Estuary.

5.3.4 Detected Pesticides, PCBs and Herbicides in Groundwater

No pesticides, PCBs and herbicides were detected above their reporting limits in groundwater samples from borings G-1 to G-16. Previous analyses of groundwater from boring B-1 resulted in a reported concentration of 1.27 ug/L Dichlorprop. However there no listed MCL or PRG tap water for Dichlorprop.

6.1 DETECTED COMPOUNDS IN SOIL

Shallow soil samples were analyzed for Title 22 metals, Volatile Organic Compounds (EPA 8260), Semi-Volatile Compounds (EPA 8270), Pesticides and PCBs (EPA 8081), Herbicides (EPA 8151), and TPH gasoline, diesel, and motor oil (EPA 8015 modified). Previous analyses of shallow soil samples from the ABL and A.T. & S. F. parcels used these same methods (see Tables I to VII, Appendix B). Elutriate (pore water from soil) from Estuary bottom samples was analyzed for organic tin, PCBs, and Title 22 metals (Tables VII to X, Appendix B). Table IIIa summarize the results of analyses of soil from the ABL parcel using a portable laboratory and Energy Dispersive X-Ray Fluorescence methods.

6.1.1 Detected Metals

Soil samples were analyzed for 17 metals in the Title 22 series. Antimony, beryllium, selenium, silver, and thallium were not detected above their reporting limits and, therefore are not shown on Table 3. None of the remaining metals were detected above their commercial/industrial PRGs, with the exception of lead. A soil sample was collected from the ABL parcel at a known hot spot to provide a means of evaluating soluble lead for a relatively higher lead concentration. A concentration of 43,000 mg/kg lead is reported for sample SS-11 (Table 3). The location of SS-11 is shown on Figures 1,2,3 and 4. Previous analyses of soil samples from the ABL and A.T. & S. F. parcels are summarized on Tables III and III a in Appendix B. The concentration of lead in samples B-5 was 6,440 mg/kg and S-1 was 6,140 mg/kg (Figure 1, and Table III). Over 60 soil samples (Table IIIa) were analyzed for total lead on the ABL parcel. Figure 3 shows the locations of those samples. Symbols on the figure show that almost half of those samples were reported to contain lead at a concentration greater than 1,000 mg/kg. Excavations at S-1 have removed the soil with lead exceeding 400 mg/kg. The excavated soil is stockpiled near S-1.

Soil was excavated from B-5 and confirmation tests showed the soil in the bottom of the excavation (several feet deep) to contain less than 400 mg/kg lead. However, samples of soil from the side and from the surface north and south of B-5 contain lead ranging from less than 400 mg/kg to 20,000 mg/kg (Table IIIa, Appendix B). As shown on Figure 3, the estimated area of soil with a lead concentration greater than 1,000 mg/kg is about 700 feet long and 80 feet wide. The depth of soil with lead exceeding 1,000 mg/kg is not known. However, the exploration at B-5 suggests that the soil with lead greater than 1,000 mg/kg is probably in a layer 2 to 3 feet in depth.

6.1.2 Detected Organics

No Semi-Volatile Organic Compounds were detected above their reporting limits for shallow soil samples analyzed using EPA method 8270 (Table 4). Previous analyses of about 20 soil samples on the ABL and A.T & S.F. parcels using EPA 8270 also resulted in no detection of semi-volatile organic compounds (Table V, Appendix B).

Analysis of shallow soil samples using EPA Method 8260 for volatile organic compounds resulted in reported detections of only three compounds; acetone, toluene, and methylene chloride (Table 4) at relatively low concentrations. Acetone is reported at 0.022 mg/kg in sample

SS-2 and 0.02 mg/kg in sample SS-3. SS-2 is located on the south portion of the larger Encinal site, and SS-3 is located on the City of Alameda parcel (Figure 1). Since acetone is a common laboratory contaminant these two detections are possibly laboratory artifacts. Methylene chloride is reported in three soil samples; SG-2, SG-10 and SS-6, with a maximum concentration of 0.016 mg/kg in SS-6. Methylene chloride is also a common laboratory contaminant and there is also a possibility that this is a laboratory artifact. Toluene is reported in three soil samples; SG-10, SS-3 and SS-9 at low concentrations just above the reporting limit of 0.005 mg/kg. The highest concentration of toluene is 0.016 mg/kg in SS-9. Previous analyses of soil on the ABL and A.T. & S.F. parcels resulted in detections of Carbon Disulfide at low concentrations in soil (0.012 mg/kg in M-1, 0.077 mg/kg in M-2, and 0.020 mg/kg in B-4 at 2.5 feet, Table I, Appendix B). Methyl ethyl ketone (2-Butanone) was reported at 0.047 mg/kg in sample B-4 at 2.5 feet. Methyl ethyl ketone is also a common laboratory contaminant.

6.1.3 Detected Petroleum Hydrocarbons

There is only one reported detection of TPH gasoline in shallow soil samples analyzed using EPA Method 8015 Modified (2 mg/kg in sample SS-5, Table 4). There was also only one reported detection of TPH diesel, at 3,100 mg/kg in sample SS-5. TPH motor oil is reported from 20 shallow soil samples ranging from 10 mg/kg in sample SG-5 to 8,800 mg/kg in sample SG-15. No detection of TPH motor oil was reported for four soil samples (SG-7, SG-8, SG-12, SG-13). The approximate area of estimated soil with TPH motor oil greater than 1,000 mg/kg is shown on Figure 4. The estimated area of soil with motor oil is located on both Encinal Real Estate parcels, the ABL parcels, and a portion of the City of Alameda parcel (Figure 4). The depth of the soil with TPH motor oil is not known since soil most sampling extended no deeper than about 1 1/2 feet below the surface. As an example of the depth of TPH motor oil sample B-2-2 from 2 to 3 feet in depth has a reported concentration of 950 mg/kg TPH motor oil (Table I, Appendix B). The previous analyses of soil for TPH motor oil from Table I were also used in the preparation of Figure 4. No TPH diesel or TPH diesel was reported in shallow soil samples from the ABL or A.T & S.F. parcels as summarized on Table I.

6.1.4 Pesticides, PCBs and Herbicides

One pesticide (Endosulfan I) was reported above the reporting limits in two soil samples (0.54 mg/kg in SS-5 and 21 mg/kg in SS-9) as shown in Table 4. There was only one detection of an herbicide, 2,4,5-TP (Silvex), in sample SS-11 at 0.009 mg/kg. These are relatively low concentrations of these compounds.

6.2 STOCKPILED SOIL

As requested by Alameda County four point composite samples were collected from soil stockpiles located on the west side of the warehouse on the Encinal parcel, see Figure 1. Soil excavated from the ABL parcel in 1996 to explore the extent of 1,1-DCA was sampled (DCA96-1 to -4) and analyzed for total lead, as shown in Table 2. The results show that the concentration of total lead in the stockpiled soil is less than 20 mg/kg lead, which is within the general background for lead in soil. Composite sample of soil from 1996 excavations near B-5 were also analyzed for total lead (LEAD96-1, LEAD96-2). The concentration of lead in LEAD96-1 is

reported to be 3,070 mg/kg which is consistent with the shallow soil excavated. LEAD96-2 contains 426 mg/kg lead which is consistent with the deeper soil excavated near B-5. Samples OLDDCA are believed to be from previous excavations at the 1,1-DCA location near the warehouse by Geomatrix. Samples ADD1, 2, 3 are from an unknown location. Analysis of composite samples of these soils resulted in a maximum concentration of 62.7 mg/kg lead which is also considered within normal background range.

6.3 COMPARISON OF SOIL RESULTS TO RELEVANT CRITERIA

6.3.1 Metals in Soil

Concentrations of metals in soil analyzed in the Title 22 series (Table 3) did not exceed the PRGs for commercial/industrial use of the site, with the exception of lead. Lead exceeded the PRG of 1,000 mg/kg in soil samples from the ABL parcel in an area about 700 feet long and 80 feet wide. In addition one stockpile of excavated soil (LEAD96-1) also is reported to have a lead concentration exceeding 1,000 mg/kg (Table 2). Table III in Appendix B shows that beryllium exceeds the PRG for a residential use (0.14 mg/kg) for samples S-7, S-9 and S-10 on the ABL and A.T. & S. F. parcels. However, these concentrations do not exceed the allowable PRG of 1.1 mg/kg for a commercial/industrial use of the site.

6.3.2 Organics in Soil

The maximum reported concentrations of acetone (0.022 mg/kg) is well below the PRG of 8,750 mg/kg for a commercial/industrial site (Table 4). The maximum reported concentration of toluene (0.016 mg/kg) is also well below the PRG of 880 mg/kg for a commercial /industrial site. The maximum reported concentration of methylene chloride (0.016 mg/kg) is also well below the PRG of 18 mg/kg for a commercial/industrial site.

6.3.3 Herbicides, Pesticides and PCBs

The maximum concentration of Endosulfan I (21 mg/kg) is also well below the PRG of 4,090 mg/kg for a commercial/industrial site. The reported detection of the herbicide 2,4,5-TP(Silvex) at 0.009 mg/kg is just above the reporting limit of 0.005 mg/kg. There is no established PRG for Silvex in soil for a commercial site. Previous analyses of soil from the ABL parcel detected PCBs at 49 ug/kg in sample S-4, and 42 ug/kg in S-10. These concentrations are well below the PRG for PCBs in soil for a commercial/industrial site is 340 ug/kg.

6.3.4 TPH Gasoline, Diesel and Motor Oil

There are no established regulatory guidelines for TPH gasoline, diesel and motor oil in soil. Usually these products are regulated by their constituent compounds such as; benzene, toluene, ethylbenzene, xylenes and polynuclear aromatic hydrocarbons (PNAs). Since only toluene was detected at well below the PRG, and no other compounds including PNAs were detected associated with the TPH products there is no established regulatory guidance for comparison. The absence of PNAs, BTEX and other volatile organic and semi-volatile organic compounds

indicates that the risk to future commercial workers and occupants of the planned development is low.

7.1 METALS IN SOIL

7.1.1 Excavation of Soil With Lead

The proposed remedial actions for soil with lead at concentrations exceeding 1,000 mg/kg is excavation and removal from the site. Soil exceeding 1,000 mg/kg total lead should be excavated and stockpiled for proper disposal. The approximate extent of soil with lead exceeding 1,000 mg/kg is shown on Figure 3. From the available sampling information the soil to be excavated appears to lie within the ABL parcel. Available analyses of soil from the other parcels show no reported detections of lead exceeding 1,000 mg/kg. The northern and southern limit of the aerial extent is not established and may follow the former rail alignment. However, reported concentrations of lead in previous sampling of soil at S-10, to the north, and at B-4, to the south, were less than 1,000 mg/kg lead.

The approximate volume of soil exceeding 1,000 mg/kg total lead can be estimated from Figure 3. An area about 700 feet long, 80 feet wide, and 3 feet deep would produce about 6,200 bank yards of soil. At 1.35 tons per yard, about 8,400 tons of soil with greater than 1,000 mg/kg lead would be estimated for disposal.

7.1.2 Disposal of Soil With Lead

Soil with a total lead concentration less than 1,000 mg/kg and with a soluble lead concentration from the California Waste Extraction Test (CWET) less than 5 mg/L can be disposed as non-hazardous waste at selected sites within California. If the CWET result exceeds 5 mg/L then the soil may need to be either treated prior to disposal or disposed outside California. Disposal outside of California will require the soluble lead to be less than 5 mg/L using the TCLP analysis. Table 7 shows the results of selected analyses of soil samples with various ranges of total lead. Sample SS-9 with 310 mg/kg total lead appears to pass the CWET test with only 3 mg/L of soluble lead and 0.072 mg/L soluble lead from the TCLP test. However sample SS-11 with 43,000 mg/kg lead has 44 mg/L soluble lead from the CWET test and 8.6 mg/L from the TCLP. The soil from the stockpile LEAD96-1 with 3,070 mg/kg lead has 54.8 mg/L soluble lead from the TCLP test. It is likely that much of the soil with lead to be excavated will need to be disposed out of California.

We have also performed the SPLP (Synthetic Precipitation Leaching Potential) test (Table 7) on these samples to evaluate the potential for leaching lead if these soils remain on site. The SPLP simulates natural rainfall conditions. The results of SPLP tests indicate on site soil with 1,000 mg/kg lead would have a low potential to impact groundwater.

7.1.3 Alternative Action for Soil With Lead

An alternative remedial action that might be considered is on-site fixation with a cementing agent to reduce the solubility of the lead so the soil could remain on site. However, the concentrations of lead would still exceed 1,000 mg/kg total lead, and would likely require special placement, capping, and restrictions on use of the site, and a possible deed restriction. We understand that such a restriction is not desired by the buyer and seller.

7.1.4 Confirmation Tests and Backfill

Confirmation soil samples should be collected on a grid from the bottom and sides of the excavation for analysis for lead. It is anticipated that the analyses can be performed using a portable laboratory so that there will be minimal delays in the excavation activities. Where the laboratory results indicate lead in the soil exceeds the 1,000 mg/kg criteria, then additional excavation will be performed. It is anticipated that field measurements may be made with Energy Dispersive X-Ray Fluorescence methods during excavation, and then will be confirmed with EPA 6010 analyses in the laboratory.

7.2 MOTOR OIL IN SOIL

7.2.1 On-Site Management of Soil

It is proposed that soil with TPH motor oil remain on site because it can be demonstrated that its potential risk to the health of future workers or occupants of the commercial development is very low. Alameda County will likely approve this proposal if a Risk Management Plan is prepared for handling and placement of the soil with TPH motor oil. We propose that a Risk Management Plan be prepared to address soil with TPH motor oil. In preliminary discussions with the Alameda County Department of Environmental Health it appears that providing surface cover over this soil such as pavement, concrete slab on grade, and landscaping soil cover would be part of a Risk Management Plan. A preliminary plan of the development would be used to develop the Risk Management Plan. The approximate aerial extent of soil with TPH motor oil greater than 1,000 mg/kg is shown on Figure 4. This would be the initial guide for the Risk Management Plan. We do not believe that a such a plan would limit the use of the site for commercial development or that a deed restriction would be required.

7.2.2 Motor Oil Areas by Parcel

The relative percentage of soil area to be remediated has been estimated by parcel. Based upon the aerial distribution of the estimated soil with TPH motor oil as shown in Figure 4, the relative percentage of area underlain by soil with motor oil greater than 1,000 mg/kg was estimated. The estimated percentage of TPH soil area is as follows:

Encinal Real Estate (West Parcel)	28 %
Encinal Real Estate (East Parcel)	32 %
Alameda Beltline (Large Parcel)	37 %
A.T. & S.F. Parcel	1 %
City of Alameda Parcel	2 %
TOTAL	<u>100%</u>

The areas of soil with TPH motor oil in Figure 4, and resulting estimated percentages are approximate and the actual amounts and locations of soil with TPH motor oil may vary from these estimates.

7.3 GROUNDWATER**7.3.1 Organics in Groundwater**

No remedial actions are recommended for volatile organic compounds in groundwater. The maximum concentration of 1,1-DCA is well below the allowable concentration in the Geomatrix Health Risk Assessment. In addition the WCC Fate and Transport evaluation also showed that these concentrations would not impact the Estuary. Since the maximum concentration of the only detected Semi Volatile Compound (Phenol) is only 100 ug/L, which is only slightly above the California Water Quality Objective of 30 ug/L, and well below the PRG for tap water of 21,900 ug/L no remedial action is recommended for phenol in groundwater.

7.3.2 Herbicides, Pesticides and PCBs

No pesticides, herbicides or PCBs were detected in groundwater except Dichlorprop in groundwater from boring B-1 on the ABL parcel at 1.27 ug/L. No remedial action is recommended for this detected herbicide since there is no MCL or PRG tap water established, and this water is not likely to be ingested.

7.3.3 TPH Gasoline, Diesel and Motor Oil

No remedial actions are recommended for the detected TPH gasoline, diesel and motor oil in groundwater since there is no established MCL or PRG for these products. The concentrations of TPH gasoline at a maximum of 140 ug/L is just above the reporting limit of 50 ug/L. The reported concentration of TPH diesel in groundwater is generally less than 0.6 mg/L. The maximum reported detection of TPH motor oil is 1.7 mg/L in B-3 which is more than 600 feet from the Estuary, and is anticipated to have a low potential for impact to the Estuary. No detection of BTEX compounds in groundwater supports the recommendation that no remedial actions are needed for this planned site use.

8.1 PROPOSED REMEDIAL ACTIONS

We believe that the proposed remedial actions for excavation and off site disposal of lead and the development of a Risk Management Plan for on-site use of soil with TPH motor oil are appropriate remedial actions for this planned commercial development. Alternative remedial actions for lead which might include fixation of the lead in the soil and possible on-site encapsulation would likely result in a deed restriction and limitations to site use. Such limitations, we understand, are not desired by the buyer and seller. Therefore, the remedial actions have considered the guidance of the buyer and seller. Prior to beginning remedial actions a more detailed remedial action plan will be required by Alameda County which will address site specific issues. These issues might include the relationships of soil excavations to planned site improvements such as buildings, parking areas, and landscaped areas. Since it is unlikely that groundwater at the site will be used for drinking water, no remedial actions are recommended for groundwater at the site.

8.2 SITE ENVIRONMENTAL CONDITIONS

The proposed remedial actions are based upon the available soil and groundwater analytical data. We assume that this information is representative of the site environmental conditions.

8.3 LIMITATIONS

The scope of this investigation is limited by time constraints, expense, and practicality. A limited number of soil and groundwater samples were taken at locations at the sites in the study area and a limited number of laboratory chemical analyses were performed for those samples. Professional opinions concerning the presence of hazardous substances were developed based on the resulting data. It would be prohibitively expensive and time consuming to sample all locations at the sites in the study area and analyze the samples for all substances which are now, or in the future might be considered hazardous. Therefore, WCC cannot be held responsible should the investigation fail to detect the presence or quantity of all hazardous substances at all locations.

- Aerial Photographs; No. AV28-14-43, dated 4-15-50; No. AV-337-05-31, dated 7-3-59; No. AV-995-03-15, dated 5-19-71; No. AV-2040-05-18, dated 6-22-81; No. AV-4230-10-30, dated 4-8-92.
- Geomatrix Consultants, 1995, Semi-Annual Monitoring Report, January-June 1995 and Site Characterization Report, 2020 Sherman Avenue, Alameda, California, report dated August 28, 1995.
- MSE Environmental, Inc., 1990a, Phase I Environmental Survey Regarding Alaska Basin, Alameda, California, January 26. (in Geomatrix Consultants, 1995)
- MSE Environmental, Inc. 1990b, Phase II Environmental Survey Regarding Alaska Basin, Alameda, California, March 16. (in Geomatrix Consultants, 1995)
- Kaldveer, 1990, Site plan and laboratory reports from Med-Tox Associates, unpublished, August. (in Geomatrix Consultants, 1995)
- Woodward-Clyde Consultants, 1996a, Results of Confirmation Sampling, Aerated Soil Stockpile, Encinal Terminal Site, Alameda, California, July 29.
- Woodward-Clyde Consultants, 1996b, Results of Fate and Transport Modeling, Encinal Terminals Site, Alameda, California, August 21.
- Woodward-Clyde Consultants, 1996c, Revised Environmental Review, Planned Development Project, Marina Village Homes, Alameda, California, September.
- Woodward-Clyde Consultants, 1996d, Report of Soil Excavation Confirmation Sampling - No Further Action Request in Relation to 1,1-DCA, Encinal Terminals Site, Alameda, California, October 21.

TABLE 1

TEMPORARY MONITORING WELL
AND GROUNDWATER ELEVATIONS

Temporary Monitoring Well Number	Top of Casing Elevation [feet, MSL]	Depth to Water [feet below TOC]	Water Elevation [feet, MSL]
G-1	6.49	1.70	4.79
G-2	na	na	na
G-3	na	na	na
G-4	7.32	5.50	1.82
G-5	11.04	8.60	2.44
G-6	9.54	6.40	3.14
G-7	8.55	6.20	2.35
G-8	10.38	7.60	2.78
G-9	11.12	3.20	7.92
G-10	11.96	4.50	7.46
G-11	10.13	3.80	6.33
G-12	8.90	3.20	5.70
G-13	11.45	6.10	5.35
G-14	11.89	5.60	6.29
G-15	10.98	1.60	9.38
G-16	8.37	1.30	7.07

Legend:

TOC = Top of casing.

MSL = Mean sea level.

TABLE 2

STOCKPILE ANALYTICAL RESULTS FOR LEAD

Sample ID	Lead [mg/kg]
<u>Piles from 1,1-DCA Excavation Activities Performed by WCC</u>	
DCA96-1	9.4
DCA96-2	15.1
DCA96-3	19.6
DCA96-4	12.8
<u>Piles from Lead Excavation Activities Performed by WCC</u>	
LEAD96-1	3,070
LEAD96-2	426
<u>Piles from Unknown Previous Activities</u>	
OLDDCA-1	18.5
OLDDCA-2	31.9
OLDDCA-3	62.7
OLDDCA-4	21.8
OLDDCA-5	28.1
OLDDCA-6	45
ADD1	14.6
ADD2	14.1
ADD3	21.1
Maximum Concentrations	3,070
PRGs - Commercial ⁽¹⁾	1,000

Legend:

Results are from composite soil samples (4 to 1 composite for every 100 ft³).

Bold values exceed PRGs.

(1) EPA Region IX Preliminary Remediation Goals (PRGs), August 1, 1996.

TABLE 3

SOIL ANALYTICAL RESULTS FOR DETECTED METALS

Location	Depth [feet]	Metals [mg/kg]											
		Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Vanadium	Zinc
Geoprobe Grab Sample													
SG-1	0.5 - 1	2.4	67	<0.5	28.6	7.6	14.8	3.1	0.083	3.1	36.1	25.5	31.9
SG-2	0.5 - 1	5.9	200	<0.5	9.1	13.2	39.1	4.4	0.096	<1	15.3	47.3	79.4
SG-3*	na	na	na	na	na	na	na	na	na	na	na	na	na
SG-4	0.5 - 1	14.4	103	<0.5	26	6.4	20.3	14.1	0.27	2.7	20.6	25.7	62.9
SG-5	0.5 - 1	5.3	63.9	<0.5	15.3	9.3	12.5	5.5	0.23	1.7	17.2	32.4	68.4
SG-6	0.5 - 1	2.3	39.1	<0.5	5.8	7.2	8.6	3.7	0.11	1.1	7	34.6	80.4
SG-7	0.5 - 1	8	48	<0.5	34.8	13.7	12.1	5.3	0.098	<1	47	38.9	54.7
SG-8	0.5 - 1	3.2	64.3	<0.5	11.7	8.5	12.4	5	0.16	1.6	12.6	36.5	84.9
SG-9	0 - 0.5	8.3	100	<0.5	34	9.9	40.6	79.2	0.22	<1	43.2	30.1	121
SG-10	0.5 - 1	3	81.6	<0.5	46.6	6.4	12	5.2	0.037	13	22.9	18.4	25.2
SG-11	0.5 - 1	5.3	254	1.6	33.6	12.4	15.4	10	<0.033	<1	33.7	33.2	44.6
SG-12	0.5 - 1	2.6	116	<0.5	23.6	6.8	10.6	7.9	0.044	<1	26.1	21.3	28.9
SG-13	0.5 - 1	4.7	44.5	<0.5	2	11.6	32.2	4	0.22	<1	<4	29.5	61
SG-14	0.5 - 1	6.1	227	<0.5	20.2	11.8	27.8	35.9	0.93	<1	26.5	29	120
SG-15	0.5 - 1	2.9	95.4	<0.5	23.1	7.4	16.2	4.2	<0.033	<1	48	37.5	33.7
SG-16	0.5 - 1	2	26.6	<0.5	28.3	4.8	6.4	7.9	<0.033	<1	27.3	19.1	26.2
Hand-Auger Sample													
SS-1*	na	na	na	na	na	na	na	na	na	na	na	na	na
SS-2	0.5 - 1	2.8	33.1	<0.5	15.7	6.2	9.2	6.4	0.12	1.5	23.1	25.9	48.6
SS-3	0.5 - 1	4.2	54	<0.5	6.2	10.3	22	2.5	0.048	<1	9.4	37.8	51.1
SS-4	0 - 0.5	3.5	58.6	<0.5	33.4	7.3	27.5	26.1	0.047	<1	36.9	26.7	65.2
SS-5	0 - 0.5	2.8	48.3	<0.5	30.5	5.1	21.9	31.5	0.07	<1	25.1	20.4	49.7
SS-6	0 - 0.5	8	99.9	<0.5	28.7	9.7	29.8	55.8	0.17	<1	30.8	37.9	121
SS-7	0 - 0.5	16	90.2	0.8	25.3	8.7	24.3	39.2	0.16	1.2	28.7	38.5	106
SS-8	0 - 0.5	4.7	68.6	<0.5	25.4	7.1	20.8	36.3	0.11	<1	24.3	33.1	91.7
SS-9	0.5 - 1	5.1	88.1	0.57	46.6	9.6	54.3	310	0.17	<1	41.6	37	122
SS-10	0.5 - 1	16.3	60.4	<0.5	34	6.1	48.7	45.3	0.47	1.1	27.9	18.6	179
SS-11	0.5 - 1	na	na	na	na	na	na	43,000	na	na	na	na	na
Maximum Concentrations		16.3	254	1.6	46.6	13.7	54.3	43,000	0.93	13	48	47.3	179
PRGs - Commercial⁽¹⁾		22.1**	100,000	850	448	97,000	na	1,000	68.1****	8,520	34,100	11,900	100,000

na = Not analyzed/not available

* Due to refusal during drilling, no shallow soil sample was collected.

** Arsenic noncancer endpoint.

*** Methyl mercury.

(1) EPA Region IX Preliminary Remediation Goals (PRGs), August 1, 1996.

Bold values exceed PRGs.

TABLE 4

SOIL ANALYTICAL RESULTS FOR DETECTED ORGANICS IN mg/kg

Location	Depth [feet]	Volatile Organic Compounds (EPA method 8260)			Semi Volatile Organic Compounds (EPA Method 8270)	Pesticides & PCBs (EPA Method 8081)	Herbicides (EPA Method 8151)	Total Petroleum Hydrocarbons (EPA Method)		
		Acetone	Toluene	Methylene chloride		Endosulfan I		Gasoline	Diesel	Motor oil
Geoprobe Grab Sample										
SG-1	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.017	ND [20 - .005]	<0.5	<1000	6,300
SG-2	0.5 - 1	<0.02	<0.005	0.012	ND [8.5 - 1.6]	<0.170	ND [20 - .005]	<0.5	<10	26
SG-3*	na	na	na	na	na	na	na	na	na	na
SG-4	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.085	ND [40 - .010]	<0.5	<10	31
SG-5	0.5 - 1	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<0.034	ND [20 - .005]	<0.5	<10	10
SG-6	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.085	ND [20 - .005]	<0.5	<10	14
SG-7	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.034	ND [20 - .005]	<0.5	<10	<10
SG-8	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.034	ND [20 - .005]	<0.5	<10	<10
SG-9	0 - 0.5	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.034	ND [40 - .010]	<0.5	<100	660
SG-10	0.5 - 1	<0.02	0.006	0.006	ND [17 - 3.3]	<0.1	ND [40 - .010]	<0.5	<1000	5,400
SG-11	0.5 - 1	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<0.017	ND [20 - .005]	<0.5	<10	27
SG-12	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.034	ND [20 - .005]	<0.5	<10	<10
SG-13	0.5 - 1	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<0.085	ND [20 - .005]	<0.5	<10	<10
SG-14	0.5 - 1	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.047	ND [20 - .005]	<0.5	<1000	6,000
SG-15	0.5 - 1	<0.02	<0.005	<0.005	ND [170 - 33]	<0.072	ND [40 - .010]	<0.5	<1000	8,800
SG-16	0.5 - 1	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<0.034	ND [20 - .005]	<0.5	<100	580
Hand-Auger Sample										
SS-1*	na	na	na	na	na	na	na	na	na	na
SS-2	0.5 - 1	0.022	<0.005	<0.005	ND [170 - 33]	<0.42	ND [20 - .005]	<0.5	<500	2,900
SS-3	0.5 - 1	0.02	0.008	<0.005	ND [17 - 3.3]	<0.034	ND [20 - .005]	<0.5	<10	67
SS-4	0 - 0.5	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<0.034	ND [20 - .005]	<0.5	<10	33
SS-5	0 - 0.5	<0.02	<0.005	<0.005	ND [17 - 3.3]	0.54	ND [20 - .005]	2	3,100	5,700
SS-6	0 - 0.5	<0.02	<0.005	0.016	ND [17 - 3.3]	<0.017	ND [20 - .005]	<0.5	<100	350
SS-7	0 - 0.5	<0.02	<0.005	<0.005	ND [17 - 3.3]	<0.052	ND [40 - .010]	<0.5	<100	470
SS-8	0 - 0.5	na	na	na	ND [20 - 3.9]	na	ND [20 - .005]	<0.5	<200	1,150
SS-9	0.5 - 1	<0.02	0.016	<0.005	ND [17 - 3.3]	21	ND [20 - .005]	<0.5	<500	1,900
SS-10	0.5 - 1	<0.02	<0.005	<0.005	ND [8.5 - 1.6]	<3.4	ND [20 - .005]	<0.5	<10	71
SS-11	0.5 - 1	na	na	na	na	na	2,4,5-TP(silvex).009	na	na	na
Maximum Concentrations		0.022	0.016	0.016	na	21	0.009	2	3100	8800
PRGs - Commercial⁽¹⁾		8,750	880	18	na	4,090	na	na	na	na

Legend:

na = Not analyzed/not available/not applicable.

ND = Not detected.

* Due to refusal during drilling, no shallow soil samples were collected.

(1) EPA Region IX Preliminary Remediation Goals (PRGs), August 1, 1996.

Bold values exceed PRGs.

TABLE 5

GROUNDWATER ANALYTICAL RESULTS FOR DETECTED ORGANICS IN mg/L

Location	Date	Volatile Organic Compounds (EPA method 8260)			Semi Volatile Organic Compounds (EPA method 8270)	Pesticides & PCBs (EPA Method 8081)	Herbicides (EPA Method 8151)	Total Petroleum Hydrocarbons (EPA Method 8015 Modified)	
		Acetone	1,1-DCA	1,1,1-TCA	Phenol			Gasoline	Diesel
G-1	1/22/97	<20	<5	<5	<100	ND [6.2 - 0.31]	na	<50	280
G-2*	na	na	na	na	na	na	na	na	na
G-3*	na	na	na	na	na	na	na	na	na
G-4	1/21/97	<20	<5	<5	<100	ND [1 - 0.05]	ND [100 - 0.2]	<50	320
G-5	1/22/97	25	<5	<5	<100		ND [100 - 0.2]	50	660
G-6	1/23/97	24	<5	<5	100	ND [1.4 - 0.071]	na	<50	430
G-7	1/21/97	<20	<5	<5	<10	ND [1 - 0.05]	ND [200 - 0.2]	<50	270
G-8	1/23/97	42	<5	<5	58	ND [1 - 0.5]	na	<50	540
G-9	1/23/97	<20	17	<5	<100	ND [1 - 0.05]	ND [100 - 0.2]	<50	200
G-10	1/23/97	<40	190	23	<10	ND [1 - 0.05]	ND [100 - 0.2]	140	300
G-11	1/23/97	<20	<5	<5	<110	ND [1 - 0.05]	na	<50	310
G-12	1/22/97	<20	12	5	<100	ND [1 - 0.05]	ND [100 - 0.2]	<50	280
G-13	1/22/97	<20	<5	<5	<10	ND [1 - 0.05]	ND [100 - 0.2]	<50	460
G-14	1/22/97	<20	<5	<5	<100	ND [6.2 - 0.31]	ND [100 - 0.2]	50	230
G-15	1/22/97	<20	<5	<5	<100	ND [1 - 0.05]	ND [100 - 0.2]	<50	260
G-16	1/23/97	<20	<5	<5	<10	ND [1 - 0.05]	ND [100 - 0.2]	<50	130
DG-13	1/28/97	<20	<5	<5	<10	ND [1.4 - 0.073]	na	50	260
Maximum Concentrations		42	190	23	100	na	na	140	660
PRGs - Tap Water⁽¹⁾		608	811	792	21,900	na	na	na	na
MCL⁽²⁾		na	5	200	na	na	na	na	na
Cal. Water Qual. Objective		na	na	na	30	PCBs = 0.0001	na	na	na

Legend:

na = Not analyzed/not available/not applicable.

ND = Not detected.

* Due to refusal during drilling, no shallow groundwater sample was collected.

(1) EPA Region IX Preliminary Remediation Goals (PRGs), August 1, 1996.

(2) Maximum Contaminant Level (MCL), State of California, Division of Drinking Water & Environmental Management, November 1994.

Bold values exceed PRGs or MCLs, or California Water Quality Objectives, Shallow Water Effluent Limitations (marine).

TABLE 6
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED METALS

Location	Date	Metals [ug/L]																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
G-1	1/28/97	<60	<10	163	<5	<5	<10	<50	<25	244	<0.2	<10	<40	<5	<10	<10	<50	53.3
G-2*	na																	
G-3*	na																	
G-4	1/28/97	<60	<10	<100	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
G-5	1/28/97	<60	<10	<100	<5	<5	<10	<50	<25	6	<0.2	<10	<40	<5	<10	<10	<50	<50
G-6	1/28/97	<60	15	<100	<5	<5	<10	<50	<25	12.8	0.48	<10	<40	<5	<10	<10	<50	<50
G-7	1/28/97	<60	22.7	<100	<5	<5	<10	<50	<25	<3	0.48	<10	<40	<5	<10	<10	<50	<50
G-8	1/28/97	<60	<10	<100	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
G-9	1/28/97	<60	20	<100	<5	<5	<10	<50	<25	4.9	<0.2	<10	61.3	<10	<10	<20	<50	57.8
G-10	1/28/97	<60	10.7	<100	<5	<5	<10	<50	<25	7.2	<0.2	<10	140	<10	<10	<10	<50	106
G-11	1/28/97	<60	<10	<100	<5	9.6	<10	212	<25	8.3	<0.2	<10	1920	<5	<10	<20	<50	429
G-12	1/28/97	<60	<10	<100	<5	<5	<10	66.3	<25	<3	<0.2	<10	138	<5	<10	<10	<50	74.2
G-13	1/28/97	<60	17.6	322	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
G-14	1/28/97	<60	<10	<100	<5	<5	<10	<50	<25	<3	<0.2	<10	62.7	<5	<10	<10	<50	<50
G-15	1/28/97	<60	<10	<100	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
G-16	1/28/97	<60	11.2	111	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
DG-13	1/28/97	<60	17.4	226	<5	<5	<10	<50	<25	<3	<0.2	<10	<40	<5	<10	<10	<50	<50
Maximum Concentrations		0	22.7	322	0	9.6	0	212	0	244	0.48	0	1920	0	0	0	0	429
PRG - Tap Water⁽¹⁾		14.6	0.045**	2,560	0.0156	18.3	0.16***	2,190	1,360	4	3.65****	183	730	183	183	2.92	256	11,000
MCL⁽²⁾		6	50	1,000	4	5	50	na	1,000	15	2****	na	100	50	100	2	na	5,000
Cal. Water Qual. Objectives		na	36	na	na	9.3	50	na	17.0	5.6	2.1	na	5.3	5	2.3	na	na	86

na = Not analyzed/not available

* Due to refusal during drilling, no shallow soil sample was collected.

** Arsenic cancer endpoint.

*** CAL-Modified PRG

**** Methyl mercury.

(1) EPA Region IX Preliminary Remediation Goals for Tap Water (PRGs), August 1, 1996.

Bolded values show exceedances relative to MCLs or California Water Quality Objectives.

(2) Maximum Contaminant Level (MCL), State of California, Division of Drinking Water & Environmental Management, November 1994.

Bold values exceed MCL.

TABLE 7
SOIL ANALYTICAL RESULT FOR SOLUBLE LEAD

Location	Depth feet	Total Lead mg/kg	CWET (De-I) mg/L	CWET mg/L	TCLP mg/L	SPLP mg/L
SG-15	0.5-1	4.2	< 0.003	na	0.66 ⁽¹⁾	
SG-12	0.5-1	7.9	na	0.12	< 0.015	0.017
SS-9	0.5-1	310	na	3	0.072	0.11
LEAD 96-1	1-2	3,070	na	na	54.8	na
SS-11	0.5-1	43,000	na	44.4	8.6	na

Bold values exceed TTLC (5 mg/L Pb)

De-I = CWET using de-ionized water

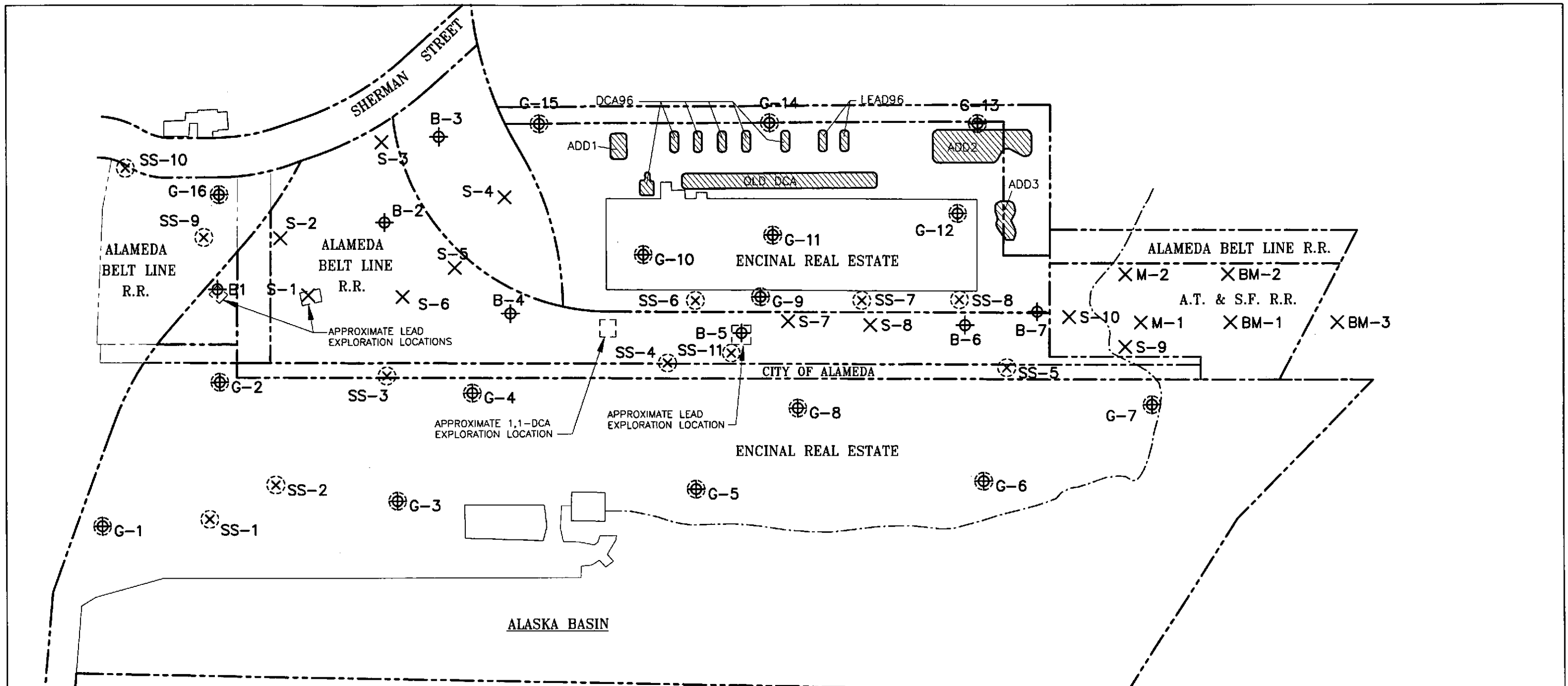
⁽¹⁾ TCLP extraction fluid #1

na = not analyzed

CWET = California Waste Extraction Test

TCLP = Toxicity Characteristics Leaching Potential

SPLP = Method 1312, Synthetic Precipitation Leaching Procedure



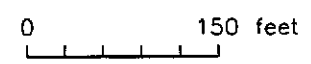
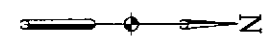
LEGEND

Current Investigation, January 1997

- ⊕ G-5 Geoprobe location
- ⊗ SS-2 Shallow soil location
- ▨ Stockpiles

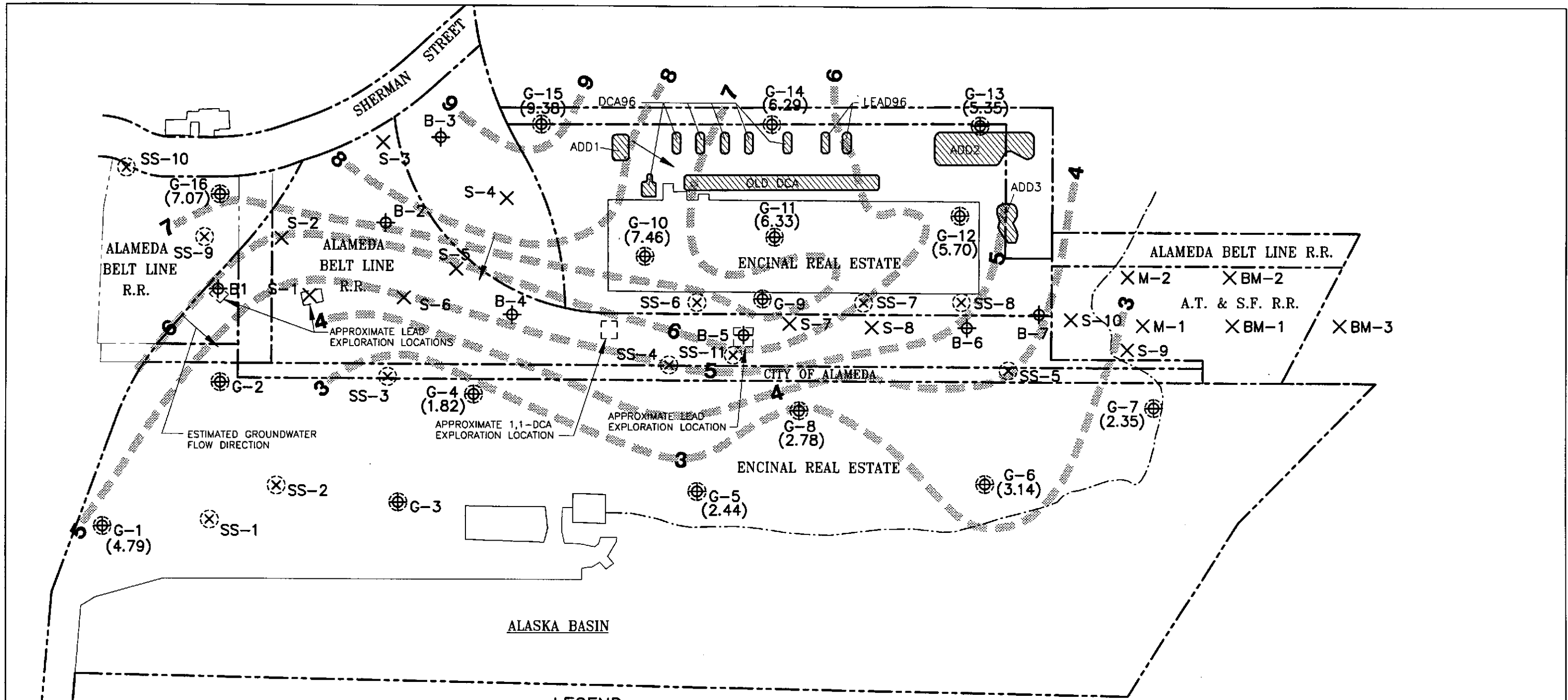
Previous Investigation, 1996

- ⊕ B-1 Soil boring with water elevation
- ⊗ S-1 Shallow soil sample
- ⊗ M-1 Shoreline sediment
- ⊗ BM-1 Bottom sediment



ENC-05 040897

Project No. 961163NB	Wind River Systems	SAMPLING LOCATIONS	Figure 1
Woodward-Clyde Consultants			



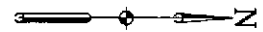
LEGEND

Current Investigation, January 1997

- ⊕ G-5 Geoprobe location
(2.44) Groundwater elevation (feet)
- ⊗ SS-2 Shallow soil location
- ▨ Stockpiles

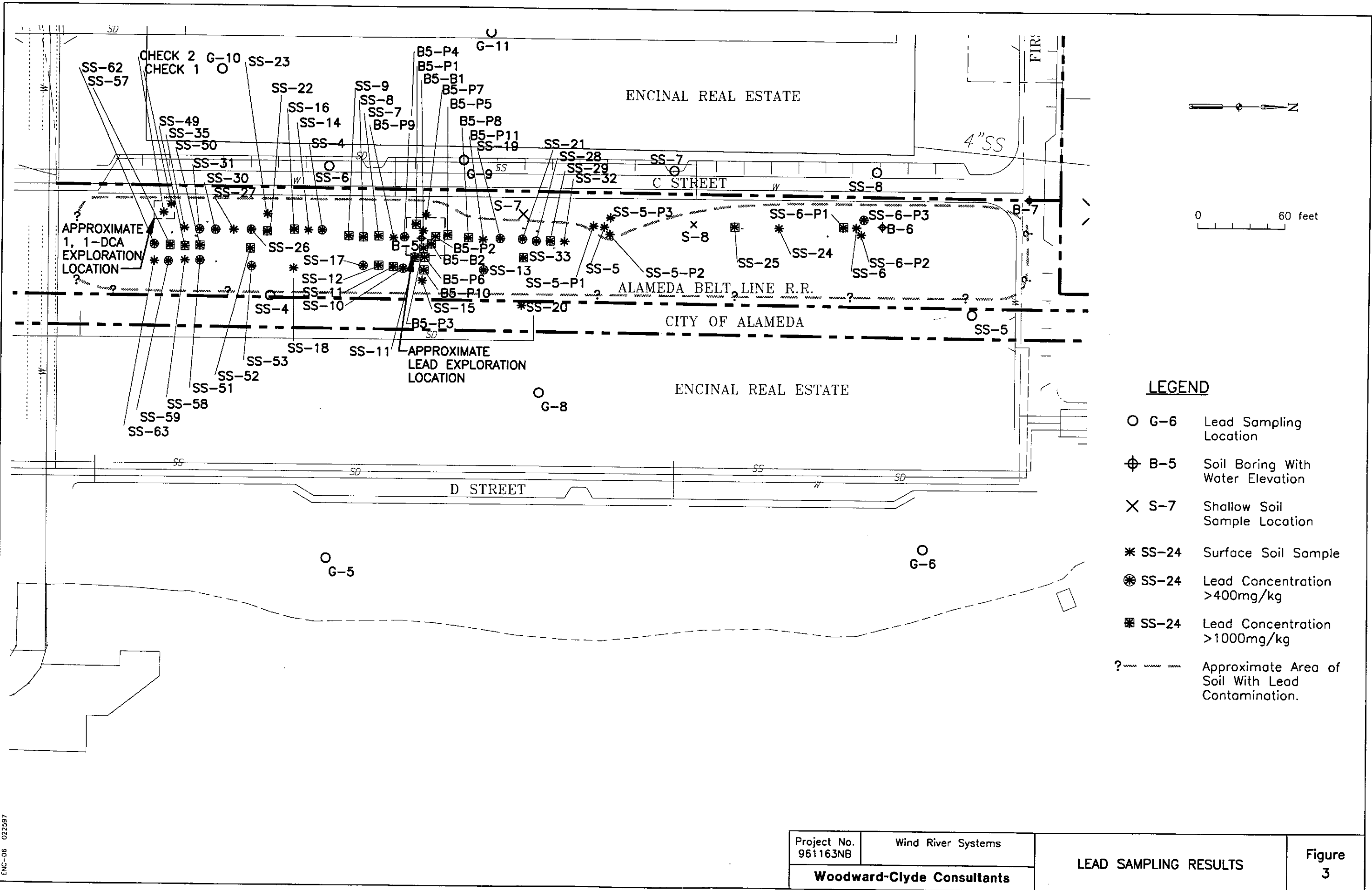
Previous Investigation, 1996

- ⊕ B-1 Soil boring with water elevation
- ⊗ S-1 Shallow soil sample
- ⊗ M-1 Shoreline sediment
- ⊗ BM-1 Bottom sediment



ENC-07 040897

Project No. 961163NB	Wind River Systems	MEASURED GROUNDWATER SAMPLING LOCATIONS ELEVATION, JANUARY 1997	Figure 2
Woodward-Clyde Consultants			

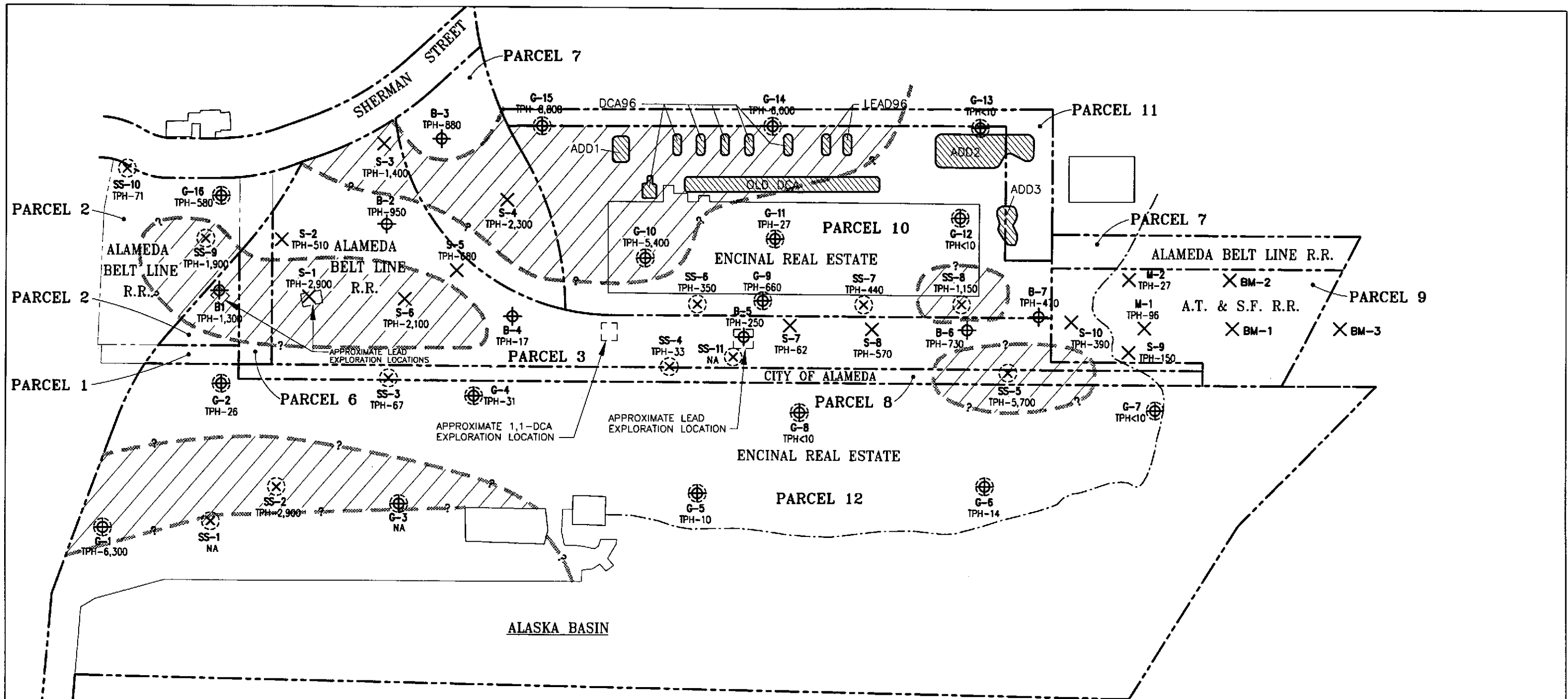


LEGEND

- G-6 Lead Sampling Location
- ⊕ B-5 Soil Boring With Water Elevation
- × S-7 Shallow Soil Sample Location
- * SS-24 Surface Soil Sample
- ⊗ SS-24 Lead Concentration >400mg/kg
- ⊠ SS-24 Lead Concentration >1000mg/kg
- ? - - - - - Approximate Area of Soil With Lead Contamination.

Project No. 961163NB	Wind River Systems	LEAD SAMPLING RESULTS	Figure 3
Woodward-Clyde Consultants			

ENC-06 022997



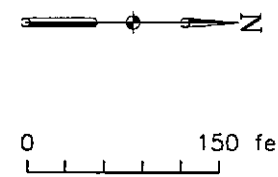
LEGEND

Current Investigation, January 1997

- ⊕ G-5 Geoprobe location
- ⊗ SS-2 Shallow soil location
- ▨ Stockpiles
- ⊕? TPH Motor oil >1,000mg/kg

Previous Investigation, 1996

- ⊕ B-1 Soil boring with water elevation
- ⊗ S-1 Shallow soil sample
- ⊗ M-1 Shoreline sediment
- ⊗ BM-1 Bottom sediment



ENC-08 040897

Project No. 961163NB	Wind River Systems	TPH MOTOR OIL SOIL SAMPLING RESULTS	Figure 4
Woodward-Clyde Consultants			

APPENDIX A

Previous Studies and Correspondence

**SEMI-ANNUAL MONITORING REPORT
JANUARY-JUNE 1995
and
SITE CHARACTERIZATION REPORT**

**Encinal Real Estate
2020 Sherman Avenue
Alameda, California**

Prepared for

**Encinal Terminals
1521 Buena Vista Avenue
Alameda, California**

**August 1995
Project No. 2530.02**

Geomatrix Consultants

100 Pine Street, 10th Floor
San Francisco, CA 94111
(415) 434-9400 • FAX (415) 434-1365



August 28, 1995
Project 2530.02

Mr. Peter Wang
Encinal Terminals
1521 Buena Vista Avenue
Alameda, California 94501-0251

Subject: Semi-Annual Monitoring Report, January-June 1995
and Site Characterization Report
2020 Sherman Avenue
Alameda, California

Dear Mr. Wang:

Enclosed are two copies of the subject report prepared by Geomatrix at your request to address Alameda County Health Care Services Agency (ACHCSA) concerns at the subject site. We are sending one copy each to Madhulla Logan at ACHCSA and Kevin Graves at the Regional Water Quality Control Board (RWQCB).

Thank you for this opportunity to be of service. Please call either of the undersigned if you require further information.

Sincerely yours,

GEOMATRIX CONSULTANTS, INC.

A handwritten signature in cursive script that reads "Cheri Y. Page".

Cheri Y. Page, R. G.
Project Geologist

A handwritten signature in cursive script that reads "Thomas E. Graf".

Thomas E. Graf, P.E.
Principal Engineer

CONTR/25302RPT.LTR
Enclosures

cc: Madhulla Logan - ACHCSA
Kevin Graves - RWQCB

Geomatrix Consultants, Inc.
Engineers, Geologists, and Environmental Scientists

TABLE 1

SUMMARY OF PREVIOUS SOIL SAMPLE RESULTS
 Encinal Real Estate
 2020 Sherman Avenue
 Alameda, California

Compounds detected in milligrams per kilogram (mg/kg)

Boring Numbers	Sample Depth (feet)	EPA Method 8240	EPA Method 8270	EPA Method 8080	EPA Method 8015	Metals ¹	
EB-2 EB-3 EB-4 EB-8 (composite)	2	ND ²	ND	ND	motor oil: 180/110 ³	Antimony Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper Cyanide Mercury Molybdenum Nickel Lead Selenium Silver Thallium Vanadium Zinc	ND 8 59 0.3 ND 7.5 43 20 1.2 ND ND 39 31 ND ND 23 37 42
EB-2 EB-3 EB-4 EB-8 (composite)	6	ND	benzo(b)fluoranthene: 0.35 benzo(a)pyrene: 0.34 pyrene: 0.76	ND	motor oil: 40/70	Antimony Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper Cyanide Mercury Molybdenum Nickel Lead Selenium Silver Thallium Vanadium Zinc	ND 20 52 0.6 ND 15 54 26 0.85 ND 0.6 74 4 ND ND 39 50 120

TABLE 1

SUMMARY OF PREVIOUS SOIL SAMPLE RESULTS

Boring Numbers	Sample Depth (feet)	EPA Method 8240	EPA Method 8270	EPA Method 8080	EPA Method 8015	Metals ¹	
EB-1 EB-5 EB-6 EB-7 (composite)	2	ND	ND	ND	motor oil: 180/110	Antimony Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper Cyanide Mercury Molybdenum Nickel Lead Selenium Silver Thallium Vanadium Zinc	ND 13 54 0.4 ND 7.7 43 54 0.5 0.3 ND 38 9 ND ND 49 37 51
EB-1 EB-5 EB-6 EB-7 (composite)	6	1,1-DCA: 0.4	ND	ND	motor oil: 40/70	Antimony Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper Cyanide Mercury Molybdenum Nickel Lead Selenium Silver Thallium Vanadium Zinc	ND 9 24 0.3 ND 5.7 35 16 0.4 ND ND 29 2 ND ND 20 33 29

Notes: ¹ CCR 17 metals and cyanide
² ND = not detected
³ Results are for duplicate samples

TABLE 2

SUMMARY OF PREVIOUS GROUNDWATER SAMPLE RESULTS

Encinal Real Estate
 2020 Sherman Avenue
 Alameda, California

Compounds detected in micrograms per liter ($\mu\text{g/l}$)

Sample Location I.D.	EPA Method 602	EPA Method 8015	EPA Method 624	EPA Method 625	EPA Method 608	CAM 17 Metals	
TB-1 ¹	ND ²	ND	NA ³	NA	NA	NA	
TB-2 ¹	ND	ND	NA	NA	NA	NA	
EB-1 ⁴	NA	Motor oil: 300	1,1-DCA: 1500 1,1,1-TCA: 17	ND	ND	Antimony	ND
						Arsenic	170
						Barium	540
						Beryllium	3
						Cadmium	ND
						Cobalt	58
						Chromium	330
						Copper	200
						Mercury	1.3
						Molybdenum	ND
						Nickel	280
						Lead	50
						Selenium	ND
						Silver	ND
						Thallium	280
						Vanadium	320
						Zinc	300

TABLE 2

SUMMARY OF PREVIOUS GROUNDWATER SAMPLE RESULTS

Sample Location I.D.	EPA Method 602	EPA Method 8015	EPA Method 624	EPA Method 625	EPA Method 608	CAM 17 Metals	
EB-2 ⁴	NA	Motor oil: 200	ND	ND	ND	Antimony	ND
						Arsenic	150
						Barium	770
						Beryllium	4
						Cadmium	ND
						Cobalt	50
						Chromium	360
						Copper	200
						Mercury	ND
						Molybdenum	ND
						Nickel	330
						Lead	ND
						Selenium	ND
						Silver	ND
						Thallium	650
						Vanadium	420
						Zinc	310

Notes:

- ¹ Work conducted by MSE Environmental, Inc., in 1990.
- ² ND = not detected.
- ³ NA = not analyzed.
- ⁴ Work conducted by Kaldveer Associates in 1990.

TABLE 3
SUMMARY OF WATER-LEVEL ELEVATIONS¹
 January 1994 through June 1995
 Encinal Real Estate
 2020 Sherman Avenue
 Alameda, California

Date	Well I.D.	Elevation of Measuring Point (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Gradient
1/20/94	MW-2	9.97	1.74	8.23	0.0079
	MW-4	14.14	4.99	9.15	
	MW-5	13.51	3.60	9.91	
	MW-8	13.11	3.56	9.55	
1/24/94	MW-2	9.97	0.30 ²	9.67	---- ²
	MW-4	14.14	4.52 ²	9.62	
	MW-5	13.51	2.53 ²	10.98	
	MW-8	13.11	0.40 ²	12.71	
3/29/94	MW-2	9.97	0.73	9.24	0.0067
	MW-4	14.14	4.40	9.74	
	MW-5	13.51	2.86	10.65	
	MW-8	13.11	2.55	10.56	
4/08/94 ³	MW-2	9.97	0.89	9.08	0.0060
	MW-4	14.14	4.45	9.69	
	MW-5	13.51	3.16	10.35	
	MW-8	13.11	2.93	10.18	
4/08/94 ⁴	MW-2	9.97	0.80	9.17	0.0058
	MW-4	14.14	4.40	9.74	
	MW-5	13.51	3.10	10.41	
	MW-8	13.11	2.95	10.16	
3/20/95	MW-2	9.97	NA ⁵	NA ⁵	*---- ²
	MW-4	14.14	3.43 ²	10.71	
	MW-5	13.51	NA ⁵	NA ⁵	
	MW-8	13.11	0.45 ²	12.66	
	MW-10	11.92	2.72 ²	9.20	
6/29/95	MW-2	9.97	NA ⁶	NA ⁶	0.0089
	MW-4	14.14	3.94	10.16	
	MW-5	13.51	3.15	10.56	
	MW-8	13.11	2.40	10.47	
	MW-10	11.92	4.67	6.85	

Notes:

- ¹ Measuring points are marked on the north rim of the well casing, and were surveyed by Bates and Bailey of Berkeley, California, on 26 January 1994 and 20 March 1995 relative to NGVD.
- ² Water levels measured during period of heavy rain, and may not represent equilibrium conditions.
- ³ Water levels measured in the morning.
- ⁴ Water levels measured in the afternoon.
- ⁵ Measurement not available due to flooding.
- ⁶ Well inaccessible due to placement of fill over wellhead.

TABLE 4
 GROUNDWATER SAMPLE RESULTS¹
 JANUARY 1994 THROUGH JUNE 1995
 Encinal Real Estate
 2020 Sherman Avenue
 Alameda, California

Sample	1,1-DCE µg/l	1,1-DCA µg/l	1,2-DCE µg/l	1,2-DCA µg/l	1,1,1-TCA µg/l	TCE µg/l	PCE µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes µg/l	Arsenic ¹ µg/l	Chromium ¹ µg/l	Lead ¹ µg/l	Thallium ¹ µg/l
January 1994															
GW-1	3	54	<6	<0.9	<0.02	<0.07	<0.02	<0.5	<0.8	<1	<3	NA	NA	NA	NA
GW-2	<0.07	<0.2	<3	<0.4	<0.01	<0.03	<0.01	<0.2	<0.4	<0.7	<2	NA	NA	NA	NA
GW-3	160	1800	<14	<2	74	<0.6	2	<1	8	<3	<8	NA	NA	NA	NA
GW-4	2	110	<3	<0.4	6	0.7	0.05	<0.2	<0.4	<0.7	<2	NA	NA	NA	NA
GW-5	4	240	<3	<0.4	<0.01	<0.03	<0.01	<0.2	<0.4	<0.7	<2	NA	NA	NA	NA
GW-6	1	230	<6	<0.9	<0.02	<0.07	<0.02	<0.5	<0.8	<1	<3	NA	NA	NA	NA
GW-7	1	200	<6	<0.9	<0.02	<0.07	<0.02	<0.5	<0.8	<1	<3	NA	NA	NA	NA
GW-8	11	140	<3	<0.4	<0.01	<0.03	<0.01	<0.2	<0.4	<0.7	<2	NA	NA	NA	NA
GW-9	<0.07	20	<3	<0.4	<0.01	<0.03	<0.01	<0.2	<0.4	<0.7	<2	NA	NA	NA	NA
P-1	4	390	<6	<0.9	<0.02	<0.07	<0.02	<0.5	<0.8	<1	<3	NA	NA	NA	NA
P-2	<0.5	4	0.6	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	0.009	<0.01	<0.04	<0.1
P-3	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
P-4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
B-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002	<0.01	<0.04	<0.1
April 1994															
GW-18 ¹	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-19 ¹	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-20 ¹	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-21 ¹	<5	22	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 4

GROUNDWATER SAMPLE RESULTS¹
JANUARY 1994 THROUGH JUNE 1995

Sample	1,1-DCE #B/l	1,1-DCA #B/l	1,2-DCE #B/l	1,2-DCA #B/l	1,1,1-TCA #B/l	TCE #B/l	PCE #B/l	Benzene #B/l	Toluene #B/l	Ethylbenzene #B/l	Xylenes #B/l	Arsenic ² #B/l	Chromium ³ #B/l	Lead ³ #B/l	Thallium ³ #B/l
November 1994															
GW-22	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GW-24	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA
GW-26	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-27	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
GW-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
March 1995															
MW-10 ^{4,5}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
June 1995															
MW-10 ^{4,5}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

- NA - not analyzed
- DCA - dichloroethane
- TCA - trichloroethane
- DCE - dichloroethene; 1,2-DCE results are total for cis-1,2-DCE and trans-1,2-DCE
- TCE - trichloroethene
- PCE - tetrachloroethene

¹ All samples are groundwater grab samples except for samples from monitoring well MW-10. Volatile organic analysis for samples P-1 and GW-1 through GW-9 were performed in the field by Tracer Research Corporation. Analyses for samples GW-18 through GW-21 were performed by Onsite Environmental Laboratories, Inc. Analyses for samples GW-22 through GW-28 were performed by Incchape Testing Services. All other analyses were performed by AEN Laboratory.

² Metals samples were filtered in the field.

³ Vinyl chloride results for these samples were not detected.

⁴ This sample was also analyzed for total dissolved solids by EPA Method 160.1, with a reported result of 3,600 mg/l in March 1995 and 1,800 mg/l in June 1995.

⁵ This sample was also analyzed for general minerals with the following results:

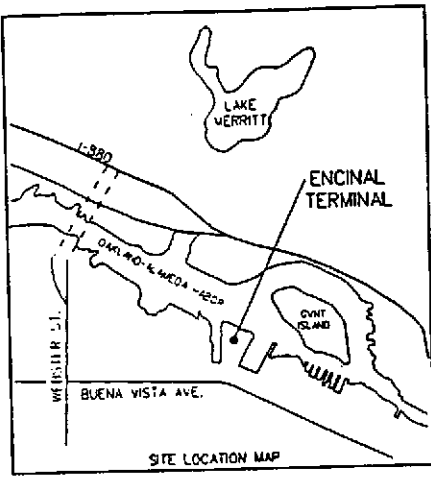
Bicarbonate Alkalinity, 110 mg CaCO ₃ /l;	Manganese, 7.3 mg/l;
Carbonate Alkalinity, <2 mg CaCO ₃ /l;	pH, 5.9;
Hydroxide Alkalinity, <2 mg CaCO ₃ /l	Sodium, 160 mg/l;
Calcium, 110 mg/l;	Sulfate, 1000 mg/l;
Chloride, 130 mg/l;	Conductivity, 2300 µmhos/cm;
Copper, <0.01 mg/l;	Hardness, 650 mg CaCO ₃ /l; and
Iron, 150 mg/l;	Zinc, 0.05 mg/l.
Magnesium, 92 mg/l;	

TABLE 5
SOIL SAMPLE RESULTS
JANUARY 1994
 Encinal Real Estate
 2020 Sherman Avenue
 Alameda, California

Composite Sample Identification ¹	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylene µg/l	Gasoline mg/kg	Diesel mg/kg	Oil mg/kg
P-1-2.5, P-3-2.0, B-1-2.0, B-2-2.0	<5	<5	<5	<5	<0.2	<10	610
P-1-6.0, P-3-4.5, B-1-6.0, B-2-6.0	<5	<5	<5	<5	<0.2	5	20

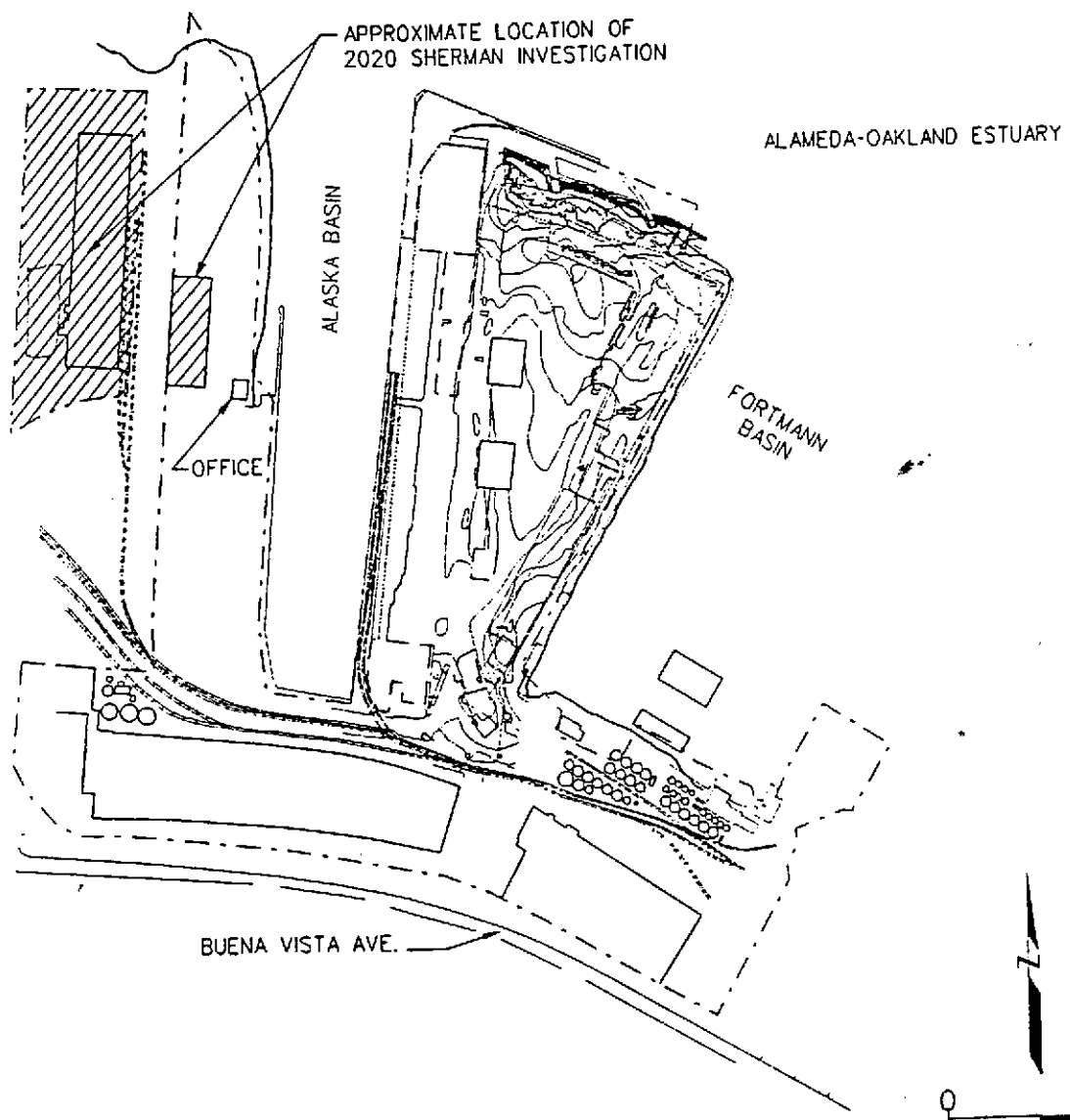
Note:

¹ Composite sample identification is comprised of the boring number and its depth below ground surface.



EXPLANATION

- FENCE
- RAILROAD
- - - PROPERTY BOUNDARY- ENCINAL TERMINALS
- - - PROPERTY BOUNDARY- ENCINAL REAL ESTATE (2020 SHERMAN AVENUE)

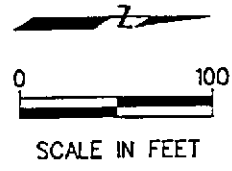
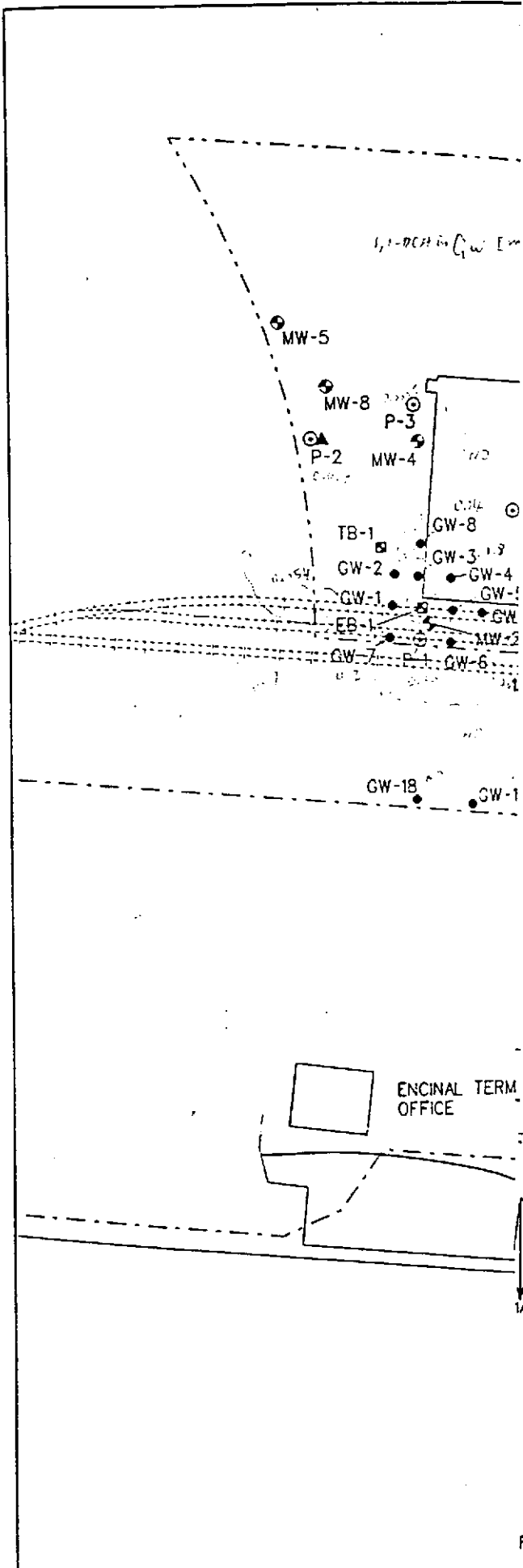


BASEMAP SOURCE:
 KISTER, SAVIO, AND REI
 PROPERTY MAP OF MARCH 1987 WITH APRIL 1994 REVISIONS:
 AND FUGRO - McCLELLAND, PHASE I ENVIRONMENTAL SITE
 ASSESSMENT FOR CAPITAL HOLDING COMPANY
 5 JANUARY 1994



SITE LOCATION MAP
 ENCINAL REAL ESTATE - 2020 SHERMAN AVENUE
 ALAMEDA, CALIFORNIA

Figure
 1
 Project No.
 2530.02




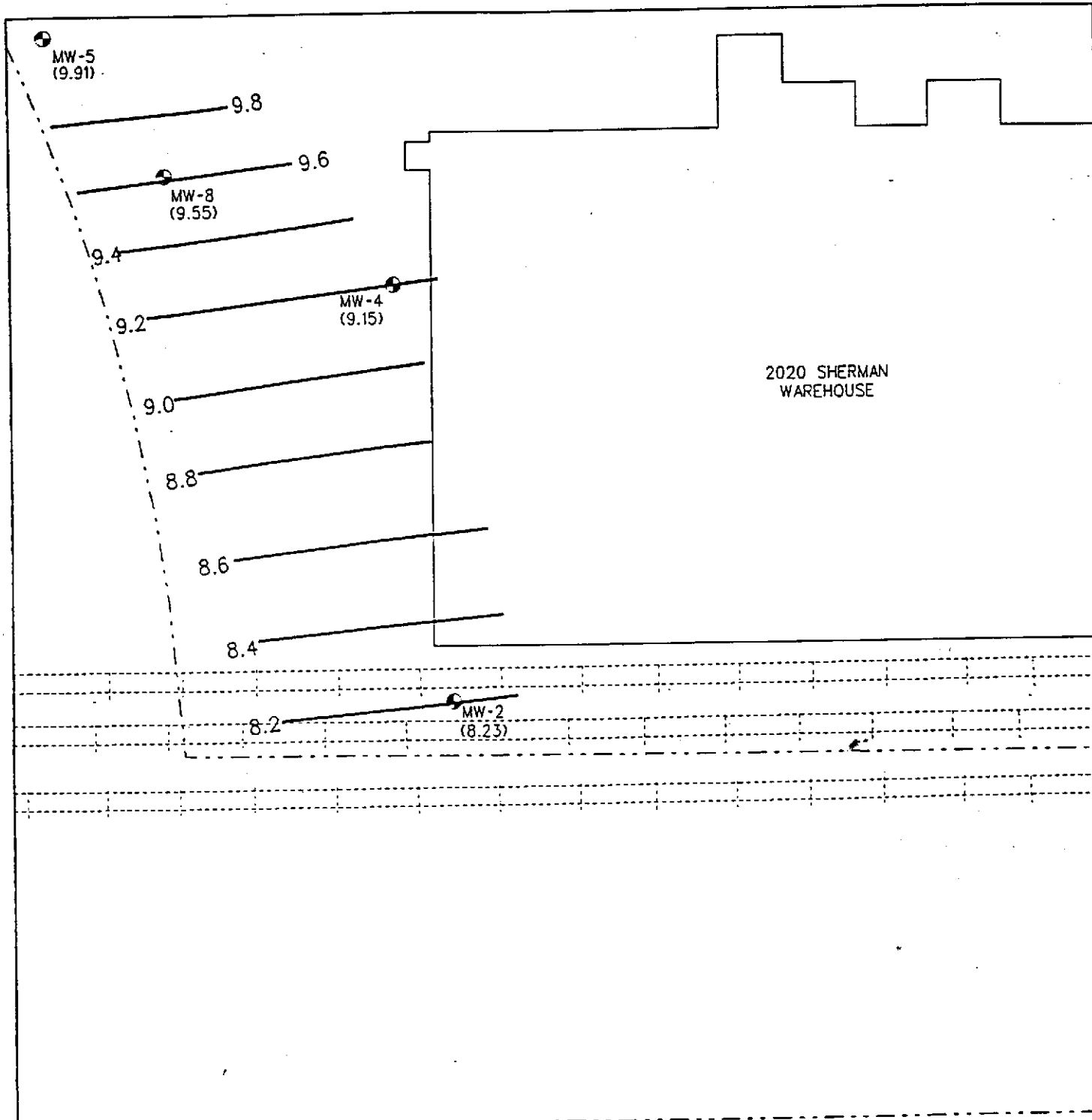
EXPLANATION

- MW-5 ⊕ APPROXIMATE MONITORING WELL LOCATION
- EB-4 ⊕ APPROXIMATE PREVIOUS SOIL SAMPLING LOCATION
- GW-3 ● APPROXIMATE GROUNDWATER GRAB SAMPLE LOCATION FOR 1,1-DCA ANALYSIS
- EB-2 ⊠ APPROXIMATE PREVIOUS GROUNDWATER GRAB SAMPLING LOCATION
- B-1 ▲ APPROXIMATE GROUNDWATER GRAB SAMPLE LOCATION FOR METAL ANALYSIS
- P-4 ⊙ APPROXIMATE TEMPORARY PIEZOMETER LOCATION

- PROPERTY BOUNDARY-ENCINAL REAL ESTATE (2020 SHERMAN AVENUE)
- - - PROPERTY BOUNDARY-ENCINAL TERMINALS
- ⋯ RAILROAD

MEASURED DIRECTIONS OF GROUNDWATER FLOW
 1/94
 3/94
 4/94
 4/94

GROUNDWATER AND SOIL SAMPLE LOCATIONS ENCINAL REAL ESTATE 2020 SHERMAN AVENUE ALAMEDA, CALIFORNIA				
REVISIONS:	 GEOMATRIX	<table border="1"> <tr> <td style="text-align: center;">Project No. 2530.02</td> <td style="text-align: center;">Figure 2</td> </tr> </table>	Project No. 2530.02	Figure 2
Project No. 2530.02	Figure 2			



EXPLANATION

- APPROXIMATE PROPERTY LINE
- MW-4 ● MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET (9.15)
- MW-10 ⊙ MONITORING WELL INSTALLED AT A LATER DATE
- 8.4 ——— LINE OF EQUAL GROUNDWATER ELEVATION WITH ELEVATION NOTED IN FEET

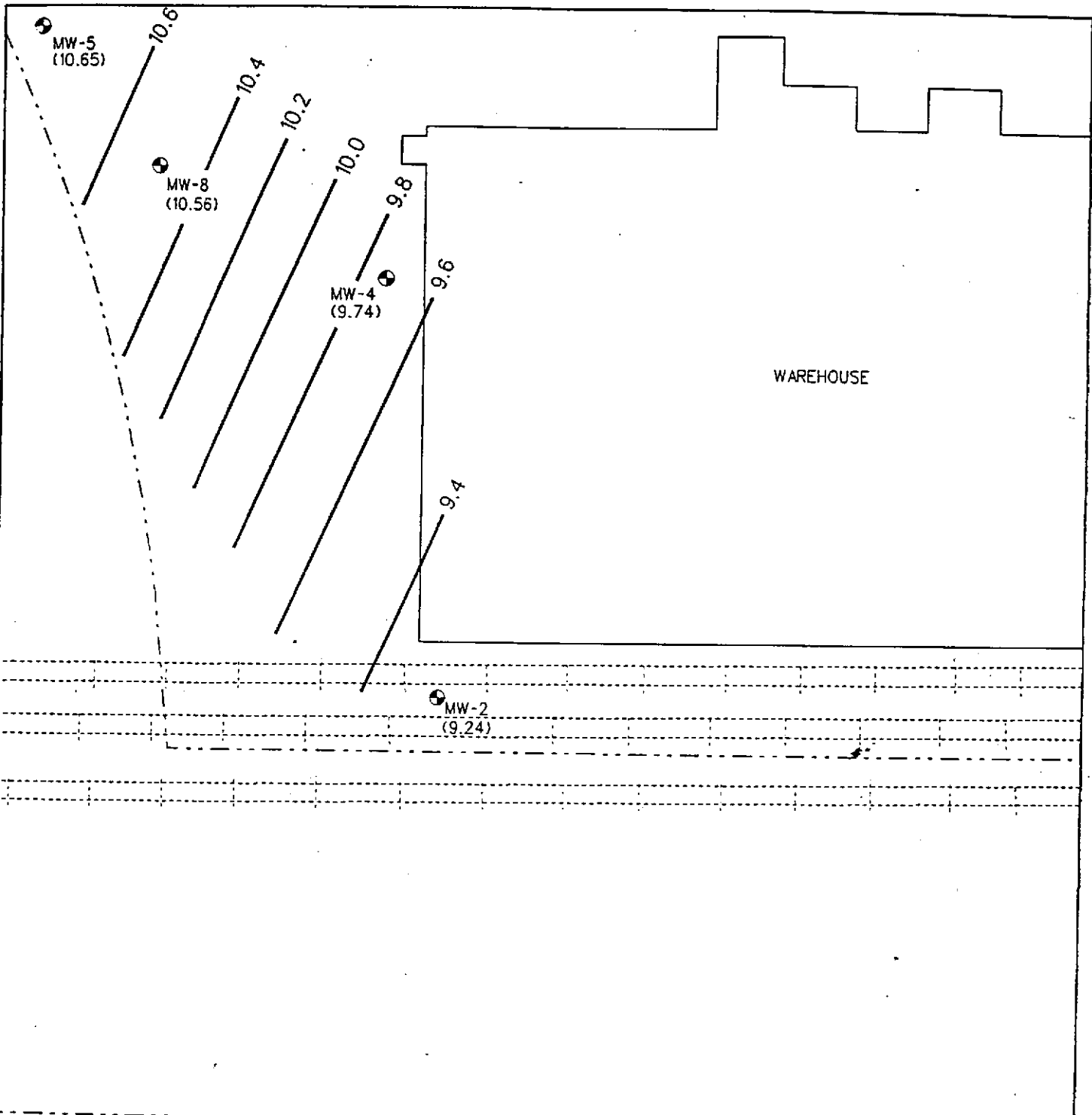


MW-10 ⊙



GROUNDWATER ELEVATION MAP - 20 JANUARY 1994
 ENCINAL REAL ESTATE
 2020 SHERMAN AVENUE
 ALAMEDA, CALIFORNIA

Figure
 3
 Project No.
 2530.02



EXPLANATION

- - - - - APPROXIMATE PROPERTY LINE
- MW-4 (9.74) ● MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET
- MW-10 ○ MONITORING WELL INSTALLED AT A LATER DATE
- 9.4 — LINE OF EQUAL GROUNDWATER ELEVATION WITH ELEVATION NOTED IN FEET



MW-10 ○



GROUNDWATER ELEVATION MAP - 29 MARCH 1994
 ENCINAL REAL ESTATE
 2020 SHERMAN AVENUE
 ALAMEDA, CALIFORNIA

Figure
 4
 Project No.
 2530.02

SCREENING HEALTH EVALUATION

A screening-level evaluation was conducted to assess the potential health risks associated with the volatilization of 1,1-dichloroethane (1,1-DCA) from groundwater and subsequent inhalation of vapors by a hypothetical future on-site resident. The screening evaluation was composed of the following steps:

- Estimating vapor flux from groundwater,
- Estimating ambient air concentration,
- Estimating lifetime average daily dose, and
- Estimating lifetime excess cancer risk.

A brief description of each step is provided below; detailed calculations are presented in Attachment 1.

ESTIMATING VAPOR FLUX FROM GROUNDWATER

The vapor flux of 1,1-DCA from groundwater was estimated using the Farmer Model, a simple screening tool recommended by the U.S. EPA as a first step in estimating vapor flux from soil or groundwater (EPA, 1992). The Farmer model assumes that the chemical's concentration in groundwater can be used to estimate the chemical's concentration in soil gas. Once in the vapor phase, the model assumes that the chemical diffuses through the soil at a rate dependent on a number of chemical and physical properties, including the soil porosity and the chemical's air diffusion coefficient. The Farmer model likely overestimates vapor flux from groundwater, because it does not take into account reduction in the source over time or the effect of the capillary fringe on vapor phase diffusion. The vapor flux estimated by the Farmer model is expressed in units of milligrams chemical per square meter per second ($\text{mg}/\text{m}^2\text{-sec}$).

ESTIMATING AMBIENT AIR CONCENTRATION

The ambient concentration of 1,1-DCA in air was estimated using a box model, which is used by the U.S. EPA to calculate preliminary remediation goals (EPA, 1991a). A box model is a simple mass-balance equation that uses the concept of a theoretically enclosed space or box over the area of interest. The model assumes that compounds enter the box via vapor flux and are removed by wind or ventilation. The box model fails to fully take into account the various processes of dispersion and may predict relatively high ambient air

concentrations even at relatively low vapor flux rates. The ambient air concentration estimated by the box model is expressed in units of milligrams chemical per cubic meters of air (mg/m^3).

ESTIMATING LIFETIME AVERAGE DAILY DOSE

The lifetime average daily dose (LADD) of 1,1-DCA was estimated using standard default assumptions that take into account the amount of air inhaled per day, body weight, and the frequency and duration of exposure. The default assumptions used in this evaluation are recommended by the Department of Toxic Substances Control (DTSC) of the California EPA and the U.S. EPA (DTSC, 1992; EPA, 1991b). The (LADD) is expressed in units of milligrams chemical per kilogram body weight per day ($\text{mg}/\text{kg}\text{-day}$).

ESTIMATING LIFETIME EXCESS CANCER RISK

The lifetime excess cancer risk was estimated for the hypothetical future on-site resident by multiplying the LADD by the carcinogenic potency slope factor (SF). The SF, which is expressed in units of risk per milligrams chemical per kilogram body weight per day [$(\text{mg}/\text{kg}\text{-day})^{-1}$], is the 95 percent upper confidence limit of the probability of a carcinogenic response per unit daily intake over a lifetime. By using the 95 percent upper confidence limit, the estimate of carcinogenic response is conservative and usually overestimates the risk posed by the chemical.

CONCLUSIONS

Based on the maximum detected concentration of 1.8 milligrams per liter (mg/l), the estimated lifetime excess cancer risk for the hypothetical future on-site resident is 3 in 10 million (3×10^{-7}), which is lower than the range of risks generally considered acceptable by regulatory agencies. Based on this screening evaluation, the presence of 1,1-DCA in groundwater at the Encinal Terminal site should not pose an unacceptable health risk to a hypothetical future on-site resident. It should also be noted that the U.S. EPA does not agree with the California EPA that 1,1-DCA is a possible human carcinogen. As discussed in a memorandum presented in Attachment 2, the potential noncarcinogenic health risks also could be evaluated; however, it is likely that the above evaluation based on carcinogenic health risks is more health conservative.

REFERENCES

Department of Toxic Substances Control (DTSC), 1992, Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted

Facilities: California EPA, Department of Toxic Substances Control, Sacramento, California

United States Environmental Protection Agency (EPA), 1991a, Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals), Interim: Publication 9285.7-01B, Office of Emergency and Remedial Response, Washington, D.C.

EPA, 1991b, Human Health Evaluation Manual, Supplemental Guidance "Standard Default Exposure Factors:" OSWER Directive 9285.6-03, Washington, D.C.

EPA, 1992, Air/Superfund National Technical Guidance Study Series, Assessing Potential Indoor Air Impacts for Superfund Sites: EPA-451/R-92-002, Office of air Quality Planning and Standards, Triangle Park, North Carolina

ATTACHMENT 1

SCREENING CALCULATION OF VOLATILIZATION OF 1,1-DICHLOROETHANE VAPORS FROM GROUNDWATER AND ESTIMATED EXCESS CANCER RISK TO A HYPOTHETICAL FUTURE ON-SITE RESIDENT

Step 1 Estimate of Vapor Flux from Groundwater using the Farmer Model

$$\text{Vapor Flux (mg/cm}^2\text{-sec)} = \frac{D_g \times (C_2 - C_1)}{L}$$

where:

- D_g = Soil-gas diffusion coefficient (cm³/cm-sec)
= D_g^{air} (cm³/cm-sec) $\times [(P_a)^{10/3} \div (P_t)^2]$
- C_2 = Vapor concentration of contaminant at bottom of soil layer (mg/cm³)
- C_1 = Vapor concentration of contaminant at surface (assumed to be 0)
- L = Thickness of clean soil layer

Inputs - Soil

- P_t = 0.35 (average value of 0.50 for clay, 0.20 for silty sand; default value for compacted soil; EPA, 1988)
- P_a = 0.20 (assumes 15% moisture content; professional judgment)
- L = 6 ft or 180 cm (site-specific)

Inputs - 1,1-Dichloroethane (1,1-DCA)

$$C_2 = C_w \times 1\ell/1000 \text{ cm}^3 \times \frac{K_{\text{henry}}}{R \times T}$$

where:

- C_w = 1,1-DCA concentration in groundwater (1.8 mg/ℓ; maximum value)
- K_{henry} = 5.2×10^{-3} atm-m³/mol (average of values from Montgomery and Welkom, 1989)
- R = Universal gas constant (8.21×10^{-5} atm-m³/mol-°K)
- T = Temperature of soil (298°K)

therefore:

$$C_2 = 1.8 \text{ mg/l} \times 1\text{l}/1000 \text{ cm}^3 \times \frac{5.2 \times 10^{-3} \text{ atm}\cdot\text{m}^3/\text{mol}}{8.21 \times 10^{-5} \text{ atm}\cdot\text{m}^3/\text{mol}\cdot^\circ\text{K} \times 298^\circ\text{K}}$$

$$= 3.9 \times 10^{-4} \text{ mg/cm}^3$$

$$D_g = D_g^{\text{air}} \times (P_a^{10/3} \div P_1^2)$$

where:

$$D_g^{\text{air}} = 0.094 \text{ cm}^3/\text{cm}\cdot\text{sec} \text{ (Shen, 1981; non-specific dichloroethanes)}$$

therefore:

$$D_g^{\text{air}} = 0.094 \text{ cm}^3/\text{cm}\cdot\text{sec} \times (0.2^{10/3} \div 0.35^2)$$

$$= 0.094 \text{ cm}^3/\text{cm}\cdot\text{sec} \times (4.7 \times 10^{-3} \div 1.2 \times 10^{-1})$$

$$= 3.6 \times 10^{-3} \text{ cm}^3/\text{cm}\cdot\text{sec}$$

therefore:

$$\text{Vapor Flux} = \frac{3.6 \times 10^{-3} \text{ cm}^3/\text{cm}\cdot\text{sec} \times 3.9 \times 10^{-4} \text{ mg/cm}^3}{180 \text{ cm}}$$

$$= 7.8 \times 10^{-9} \text{ mg/cm}^2\cdot\text{sec} \text{ or } 7.8 \times 10^{-5} \text{ mg/m}^2\cdot\text{sec}$$

Step 2 Estimating Ambient Air Concentration using the Box Model

$$\text{Air (mg/m}^3) = \frac{\text{Flux (mg/m}^2\cdot\text{sec)} \times \text{EA (m}^2)}{\text{WS (m/sec)} \times \text{Height (m)} \times \text{Width (m)}}$$

where:

- Flux = Vapor flux ($7.8 \times 10^{-5} \text{ mg/m}^2\cdot\text{sec}$; calculated above)
- EA = Emissions area (5000 ft^2 or 460 m^2 ; default residential lot, DTSC, 1994)
- WS = Wind speed (2 m/sec ; professional judgment)
- Height = Height of box (2 m ; professional judgment)
- Width = Width of box (21 m ; square root of emissions area)

therefore:

$$\begin{aligned} \text{Air} &= \frac{7.8 \times 10^{-5} \text{ mg/m}^2\text{-sec} \times 460 \text{ m}^2}{2 \text{ m/sec} \times 2 \text{ m} \times 21 \text{ m}} \\ &= 4.2 \times 10^{-4} \text{ mg/m}^3 \end{aligned}$$

Step 3 Estimating Lifetime Average Daily Dose (LADD)

$$\text{LADD (mg/kg-day)} = \frac{\text{Air (mg/m}^3) \times \text{BR (m}^3\text{/day)} \times \text{B (\%)} \times \text{EF (days/yr)} \times \text{ED (yr)}}{\text{BW (kg)} \times \text{AT (days)}}$$

where:

- Air = Air concentration ($4.2 \times 10^{-4} \text{ mg/m}^3$; calculated above)
- BR = Breathing rate (20 m³/day; DTSC, 1992; EPA, 1991)
- B = Bioavailability (100%; maximum)
- EF = Exposure frequency (350 days/yr; DTSC, 1992; EPA, 1991)
- ED = Exposure duration (30 yrs; DTSC, 1992; EPA, 1991)
- BW = Body weight (70 kg; DTSC, 1992; EPA, 1991)
- AT = Averaging time (70 yrs \times 365 days/yr or 25550 days; DTSC, 1992; EPA, 1991)

therefore:

$$\begin{aligned} \text{LADD} &= \frac{4.2 \times 10^{-4} \text{ mg/m}^3 \times 20 \text{ m}^3\text{/day} \times 100\% \times 350 \text{ days/yr} \times 30 \text{ yrs}}{70 \text{ kg} \times 25550 \text{ days}} \\ &= 5.0 \times 10^{-5} \text{ mg/kg-day} \end{aligned}$$

Step 4 Estimating Lifetime Excess Cancer Risk

$$\text{Risk} = \text{LADD} \times \text{SF}$$

where:

- LADD = Lifetime average daily dose ($5.0 \times 10^{-5} \text{ mg/kg-day}$; calculated above)
- SF = Slope factor [$0.0057 \text{ (mg/kg-day)}^{-1}$; OEHHA, 1992]

therefore:

$$\begin{aligned} \text{Risk} &= 5.0 \times 10^{-5} \text{ mg/kg-day} \times 0.0057 \text{ (mg/kg-day)}^{-1} \\ &= 3 \times 10^{-7} \end{aligned}$$

REFERENCES

- Department of Toxic Substances Control (DTSC), 1992, Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities: California EPA, Department of Toxic Substances Control, Sacramento, California
- DTSC, 1994, Preliminary Endangerment Assessment Guidance Manual: California EPA, Department of Toxic Substances Control, Sacramento, California
- Montgomery, J.H. and L.M. Welkom, 1989, Groundwater Chemicals Desk Reference, Lewis Publishers, Chelsea, Michigan.
- Office of Environmental Health Hazard Assessment (OEHHA), Expedited Cancer Potency Values and Proposed Regulatory Levels for Certain Proposition 65 Carcinogens: California EPA, Office of Environmental Health Hazard Assessment, Reproductive and Cancer Hazard Assessment Section, Sacramento, California.
- Shen, T.T., 1981, Estimating Hazardous Air Emissions from Disposal Sites: Pollution Engineering, 13(8):31-34.
- United States Environmental Protection Agency (EPA), Superfund Exposure Assessment Manual: EPA/540/1-88/001, Office of Remedial Response, Washington, D.C.
- EPA, 1991, Human Health Evaluation Manual, Supplemental Guidance "Standard Default Exposure Factors:" OSWER Directive 9285.6-03, Washington, D.C.



MEMORANDUM

TO: Elizabeth Nixon

DATE: 12 May 1994

FROM: Greg Brorby *GB*

SUBJECT: Toxicity Criteria Available for Evaluating Exposures to 1,1-Dichloroethane
Encinal Terminals
Project #2530

Following our conversation of your meeting with the Alameda County Department of Environmental Health and the Regional Water Quality Control Board (RWQCB) on the Encinal Terminals site, I wanted to summarize the availability of toxicity criteria for evaluating exposure to 1,1-dichloroethane (1,1-DCA).

Currently, there are no toxicity criteria for 1,1-DCA listed on EPA's Integrated Risk Information System (IRIS). According to IRIS, a risk assessment is currently under review by an EPA work group to establish oral and inhalation reference doses (RfDs). RfDs are used to evaluate noncarcinogenic health effects. No such assessment is under review to establish oral or inhalation slope factors, which are used to evaluate carcinogenic health risks.

My original calculations from January of this year were based on a oral slope factor developed by the Office of Environmental Health Hazard Assessment (OEHHA) of the California EPA for the purposes of developing an Acceptable Daily Intake (ADI) under Proposition 65. I do not know why the State of California and EPA do not agree as to the carcinogenicity of 1,1-DCA; however, the State has taken a more conservative view than EPA for several chemicals, most notably hexavalent chromium.

EPA Region IX issues Preliminary Remediation Goals (PRGs) for numerous chemicals on a quarterly basis. PRGs for 1,1-DCA are listed in their most recent table, dated 1 February 1994, based on noncarcinogenic health effects. Region IX cites EPA's Health Effects Assessment Summary Tables (HEAST) as the source of the RfDs used in their calculations. Toxicity criteria listed in HEAST are provisional, having undergone review and having the concurrence of individual Agency Program Offices. These provisional criteria could be used to evaluate the potential noncarcinogenic health effects associated with inhalation exposure to 1,1-DCA vapors being released by groundwater at the Site, but it is likely that the evaluation based on carcinogenic health risks is more health conservative.

Please let me know if I can be of any additional assistance.

August 21, 1996
961152NA

Ms. Madhulla Logan
Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Results of Fate and Transport Modeling

Re: Encinal Terminals Site, Alameda, California

Dear Ms. Logan:

Woodward-Clyde Consultants (WCC), on behalf of Encinal Terminals Corporation (Encinal), is pleased to submit this letter describing the results of chemical fate and transport modeling at the Encinal Terminals site located at 1521 Buena Vista Avenue, Alameda, California (the site). The fate and transport modeling was performed to evaluate the potential for chemical migration in shallow groundwater from the site towards the bay. The modeling results are used to support decisions about the need (if any) and extent of additional remediation activities at the site, and ultimately to obtain a no further action (NFA) notice for the site.

EXECUTIVE SUMMARY

The site consists of an area where soil and shallow groundwater have been impacted by volatile organic compounds (VOCs), mainly 1,1-DCA. According to existing documentation, a considerable amount of investigation and remediation work has been performed at the site. That work included previous site soil and groundwater characterization by Geomatrix Consultants (Geomatrix 1995), and excavation and on-site stockpiling of several hundred cubic yards of impacted soil. In a letter from you to Mr. Wang of Encinal dated May 18, 1996, the Alameda County Department of Environmental Health (the County) required additional activities before issuing a NFA notice. The activities required include stockpile characterization, performance of chemical fate and transport modeling, additional remediation by excavation, and groundwater monitoring. This letter presents the site-specific approach, the input assumptions for this study, and the results of the modeling.

The chemical migration scenario to be modeled is represented by potential leaching of 1,1-DCA from soil into shallow groundwater, and subsequent horizontal migration of 1,1-DCA dissolved in the shallow groundwater as it naturally flows towards the harbor. Figure 1 presents a

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Ms. Madhulla Logan

August 21, 1996

Page 2

schematic plan view of the site, including the location of the residual 1,1-DCA in soil, and shallow groundwater average flow direction and gradient, based on measurements performed in 1996. It is important to point out that 1,1-DCA was never detected in monitoring well MW-10 that was installed as a "trigger point" downgradient of the source for early detection of migration towards the harbor.

In summary, the model estimated relatively low concentrations of 1,1-DCA in shallow groundwater at the bay before mixing into surface waters. The modeling results show that past excavation activities had a dramatic effect in reducing potential impact on the bay. The model shows that, due to degradation, concentrations of 1,1-DCA at the bay become undetectable within about 10 years after remediation. Due to the conservatism used in the model, and also based on the results of field sampling which indicate no detection at MW-10 and beyond, we conclude that no additional active remediation needs to be performed at the site. We recommend no further action based on the fact that:

- The active source has been removed
- Natural attenuation is significantly taking place at the site, effectively limiting the length of the residual plume by degradation of the chemical before reaching downgradient receptors
- The modeling and field sampling results indicate no significant impact on human health and the environment

Additional details about the fate and transport modeling are provided below.

MODELING ASSUMPTIONS AND EQUATIONS

Relevant processes governing the fate and transport of 1,1-DCA from the source (soil) to the potential receptor (water quality in the harbor) include: soil-water-air partitioning, vertical infiltration, mixing of leachate from soil into shallow groundwater, retardation due to adsorption to soil particles, chemical degradation over time, and finally mixing of shallow groundwater into the harbor's surface water (see Figure 2). We have developed a model that provides a conservative estimation of the potential water quality impact due to the residual concentration of 1,1-DCA in soil. The model is based on the fundamental equations for partitioning, infiltration, mixing, retardation, and degradation according to the American Society for Testing and Materials (ASTM) Risk-Based Corrective Action (RBCA) guidance (ASTM 1995), USEPA and other relevant exposure and risk assessment guidance, as appropriate. Site-specific input parameters based on field measurements or engineering judgment were used.



Ms. Madhulla Logan

August 21, 1996

Page 3

The chemical fate and transport model includes:

- Leaching of chemicals from the source located in the near-surface soil,
- Impact of chemicals on shallow groundwater quality upon entering the shallow saturated zone,
- Horizontal movement of chemicals in shallow groundwater governed by advection, retardation due to soil absorption, and longitudinal dispersion,
- Fate of chemicals in shallow groundwater governed by degradation during migration, and
- Impact of chemicals dissolved in shallow groundwater at the interface with surface water in the harbor.

Models describing the above processes are presented in Marino (1974), ASTM (1995) and in the manual for the USEPA's Multimed Model (USEPA 1990a and 1990b). We applied the appropriate models to estimate the chemical concentration in shallow groundwater at the interface with the harbor resulting from a given source concentration in soil. The modeling results were used to evaluate what residual soil concentrations are protective of water quality. The water quality protection criterion for 1,1-DCA is based on the standard USEPA method detection limit (MDL), corresponding to non detectable degradation of water quality.

The model was based on the following assumptions (see Figure 2 for a graphical illustration):

- The chemical source is assumed to have a spatially uniform concentration; transversal width of the source is conservatively assumed to be infinite (i.e., no lateral dispersion).
- Chemical concentration in water leaching from the source is estimated from the soil concentration based on equilibrium partitioning.
- Steady state migration of chemicals in the vadose zone is conservatively assumed to be governed by infiltration without retardation from soil adsorption and without attenuation due to dispersion or degradation. This would result in a leachate concentration at the water table conservatively equal to the concentration of leachate at the source.
- Concentration in the shallow groundwater after mixing with leachate beneath the source is conservatively assumed to be equal to the concentration in the leachate (i.e., no dilution is assumed for the leachate upon mixing into shallow groundwater).
- Degradation half-life of 1,1-DCA during migration in shallow groundwater is estimated based on conservative degradation rates from published literature (Howard et al. 1991).



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The equations representing the processes outlined above, which were incorporated in the chemical fate and transport model, are presented below:

Soil-Water Partitioning:

$$\text{Partitioning} = C_{\text{leachate}} / C_{\text{soil}} = \rho_b / (\rho_b K_d + \theta_{\text{water}} + H \theta_{\text{air}}) \quad [(\text{mg/kg})/(\text{mg/L}) \text{ or } \text{cc/g}]$$

Where:

ρ_b = soil bulk density [g/cc]

K_d = soil-water partitioning coefficient [cc/g] = $f_{oc} * K_{oc}$

f_{oc} = total organic carbon fraction in soil (soil TOC) [--]

K_{oc} = chemical-specific organic carbon partition coefficient [cc/g]

θ_{water} = water-filled porosity [--]

H = dimensionless Henry's constant [--]

θ_{air} = air-filled porosity [--]

Assuming conservatively no adsorption ($K_{oc} = 0$) and no volatilization ($H = 0$):

$$\text{Partitioning} = C_{\text{leachate}} / C_{\text{soil}} = \rho_b / \theta_{\text{water}} \quad [(\text{mg/kg})/(\text{mg/L})]$$

This concentration was assumed to occur in the shallow groundwater below the source.

Attenuation due to dispersion and degradation during shallow groundwater migration:

Attenuation during shallow groundwater migration was based on the solution of the transport equation by Marino (1974), described in detail in Attachment B. The Marino solution accounts for advection, dispersion, linear adsorption, first-order decay of the chemical, and exponentially decaying source for a solute migrating in groundwater within homogeneous and isotropic porous media in steady unidirectional flow fields. The Marino solution presented in eq. 44 of Marino (1974) is reported below (note that we have divided the fate and transport parameters by the retardation coefficient to account for the effect of linear adsorption):

$$C(x, t) = \frac{C_o}{2} \left\{ \exp \left[\frac{x(u - \mu)}{2D} \right] \cdot \text{erfc} \left(\frac{x - \mu t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \mu)}{2D} \right] \cdot \text{erfc} \left(\frac{x + \mu t}{2(Dt)^{1/2}} \right) + \right. \\ \left. - \exp(-\gamma t) \left[\exp \left[\frac{x(u - \phi)}{2D} \right] \cdot \text{erfc} \left(\frac{x - \phi t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \phi)}{2D} \right] \cdot \text{erfc} \left(\frac{x + \phi t}{2(Dt)^{1/2}} \right) \right] \right\}$$



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where:

$$\mu = (u^2 + 4D\lambda)^{1/2}$$

$$\phi = [u^2 + 4D(\lambda - \gamma)]^{1/2}$$

 C = Concentration of solute in liquid phase, mg/L C_0 = Reference concentration, mg/L D = Retarded dispersion coefficient, m^2/yr t = Time, yr u = Retarded seepage velocity, m/yr x = Coordinate parallel to flow, m γ = Retarded source decay constant, $1/yr$ λ = Retarded decay constant of the chemical, $1/yr$

The above equation represents the receptor concentration resulting from a source that decays exponentially over time from an initial concentration C_0 . At the Encinal site, the source has been remediated by excavating soil with relatively high concentrations of 1,1-DCA (with maximum detections of approximately 10 mg/kg). Maximum residual concentrations in soil after remediation are approximately 2 mg/kg. The effect of source reduction due to remediation can be analyzed by appropriately superimposing three individual Marino solutions. The solutions can be superimposed thanks to the linearity of the transport equation. Assuming $M(x, t, \gamma_0, C_0)$ represents the receptor concentration estimated by the Marino solution at distance x and time t due to the initial source C_0 decaying at rate γ_0 , and assuming that remediation took place at time T_r , reducing the chemical to a residual concentration C_1 , decaying at the rate γ_1 , then the receptor concentration due to the resulting decaying pulse source can be estimated by superposition as follows:

$$C(x, t < T_r) = M(x, t, \gamma_0, C_0)$$

$$C(x, t = T_r) = M(x, T_r, \gamma_0, C_0)$$

$$C(x, t > T_r) = M(x, t, \gamma_0, C_0) - M(x, (t - T_r), \gamma_1, [C_0 \exp(-\gamma_0 T_r)]) + M(x, (t - T_r), \gamma_1, C_1)$$

Figure 3 provides a schematic representation of the decaying pulse source. If we assume a unit initial concentration $C_0 = 1$ mg/L, then the above equation can be used to estimate the attenuation factor during migration in shallow groundwater:

$$\text{Attenuation} = C_{\text{water}} / C_{\text{source}} = C(x, t > T_r) / C_0 \quad [--]$$

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Where:

C_{water} = shallow groundwater concentration at the bay [mg/L]
 C_{source} = shallow groundwater concentration beneath the source [mg/L]

Shallow Groundwater Seepage Velocity

$$U = K i / \theta \quad \text{[m/yr]}$$

K = hydraulic conductivity [m/yr]

i = hydraulic gradient [m/m]

θ = average water-filled porosity [--]

MODELING CALCULATIONS, RESULTS AND CONCLUSIONS

Conservative but reasonable input parameters were used in the model's calculations. Field-measured parameters were used when available. This includes the distance from the source to MW-10 and the bay, and the groundwater velocity, which was based on field measured hydraulic gradient. Only high-end degradation half-lives from published literature were used in the modeling.

Page 1 of Attachment A presents the input parameters used in the groundwater model to estimate the potential impact of 1,1-DCA migration from the source to MW-10 and to the bay. The modeling parameters and rationale are discussed below:

- Initial source concentration (before remediation) was assumed equal to 64 mg/L to represent 1,1-DCA levels prior to the excavation based on maximum detections in soil samples of the order of magnitude of 10 mg/kg (Geomatrix 1995) and on partitioning as follows:

$$C_{\text{leachate}} = C_{\text{soil}} \rho_b / \theta_{\text{water}} = 10 * 1.6 / 0.25 = 64 \text{ mg/L}$$

- Residual concentration post remediation was assumed equal to 12.8 mg/kg based on maximum detected residual soil concentration of about 2 mg/kg, converted to leachate concentration according to the partitioning equation in the previous bullet.
- Distance from the source to MW-10 equal to 70 m (approximately 210 feet), and distance from the source to the bay is 165 m (approximately 550 feet).
- Chemical migration in shallow groundwater was assumed to take place principally in high permeability materials, with seepage velocity (u) equal to 14 m/yr based on conductivity of 350 m/yr (representing very permeable medium), measured gradient of 0.01 (Geomatrix 1995), and porosity of 0.25



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- Dispersion coefficient (D) equal to 231 m²/yr based on the USEPA (1990a and b) recommendation of $D = \alpha * u$ with longitudinal dispersivity $\alpha = 1/10$ of the distance from the source to the bay
- Source and chemical decay rate after remediation was assumed to be 0.693 1/yr, conservatively based on a half-life of one year, which is almost double the maximum reported in the literature (Howard 1991); 1,1-DCA is likely to degrade at much faster rate than in our model
- Source decay before remediation was conservatively assumed to be slower than after remediation and corresponding to a 5 year half-life
- It is assumed in the model that the source lasted 10 years before being remediated.

Attachment A provides detailed results of the model calculations. Page 1 of Attachment A shows the model inputs. Page 2 presents the calculation results. Pages 3 and 4 present charts of the estimated concentration at the bay over time, and of the estimated concentration over distance at time of 20 years, respectively.

In summary, the model estimated concentrations of 1,1-DCA in shallow groundwater at the bay always lower than 0.2 mg/L. The modeling results show that past excavation activities had a dramatic effect in reducing potential impact on the bay. The model overestimates current concentration detected at MW-10 by an order of magnitude, but this should be expected given the amount of conservatism applied. The model shows that, due to degradation, concentrations of 1,1-DCA at the bay become of the same order of magnitude of the detection limit (0.0025 mg/L by USEPA Method 8020) within about 10 years after remediation. Due to the conservatism used in the model, and also based on the results of field sampling which indicate no detection at MW-10 and beyond, we conclude that no additional active remediation needs to be performed at the site.

UNCERTAINTIES AND LIMITATIONS

The quantitative methods and procedures described in this document for evaluating potential environmental impact are based on a number of simplifying assumptions related to the characterization of the chemical sources and of the subsurface environment. The exposure models are based on descriptions of relevant physical/chemical phenomena. Any mechanisms that are neglected, such as neglecting attenuation due to lateral dispersion, result in predictions of exposure and risk that are conservative relative to those likely to occur. In other words, the models are biased towards predicting exposure concentrations in excess of those likely to occur (ASTM 1995). Uncertainty and variability affect the input parameters of all of the exposure and fate and transport models. Conservative values of those input parameters are selected to deal with this uncertainty and variability. Since the exposure models are multiplicative, conservatism is

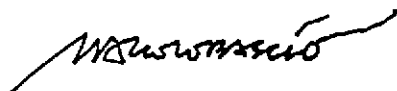


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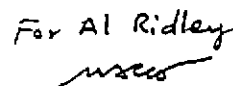
compounded in the calculations. For this reason, the modeling results in this study are expected to overestimate exposure and risk, rather than underestimate the actual risk posed by the site. More detailed discussion of the exposure models assumptions and limitations is provided in ASTM (1995). In the application of fate and transport models to the site that is presented here, conservative but reasonable site-specific estimates of the input parameters have been selected. Rationales and references for input parameters estimated values used in the models are reported in the text and tables.

We appreciate your consideration of this report. If you have any questions, please do not hesitate to contact Marco at (510) 874-3254 or Al at (510) 874-3125.

Sincerely,



Marco C. Lobascio, R.E.A.
Project Manager



Albert P. Ridley, C.E.G.
Senior Consultant

cc: Mr. Chengben Wang, Encinal Terminal Co.

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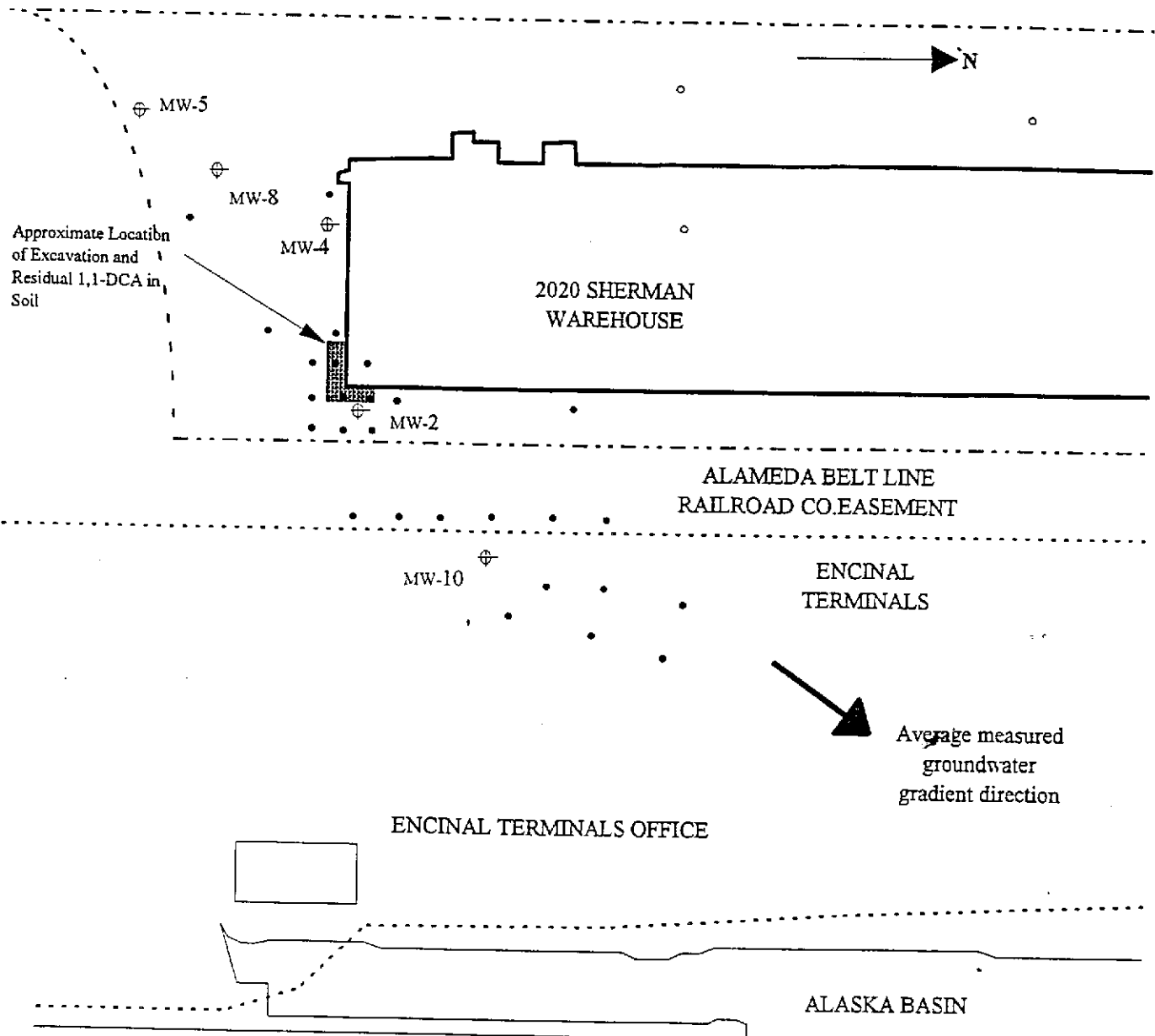
FIGURES

- FIGURE 1. SCHEMATIC SITE PLAN VIEW
- FIGURE 2. ILLUSTRATION OF CHEMICAL MIGRATION MODEL
- FIGURE 3. SCHEMATIC REPRESENTATION OF THE PULSE SOURCE

ATTACHMENTS

- ATTACHMENT 1. GROUNDWATER MODELING CALCULATIONS
- ATTACHMENT 2. PAPER BY MARINO (1974)
- ATTACHMENT 3. DEGRADATION INFORMATION FOR 1,1-DCA (HOWARD 1991)



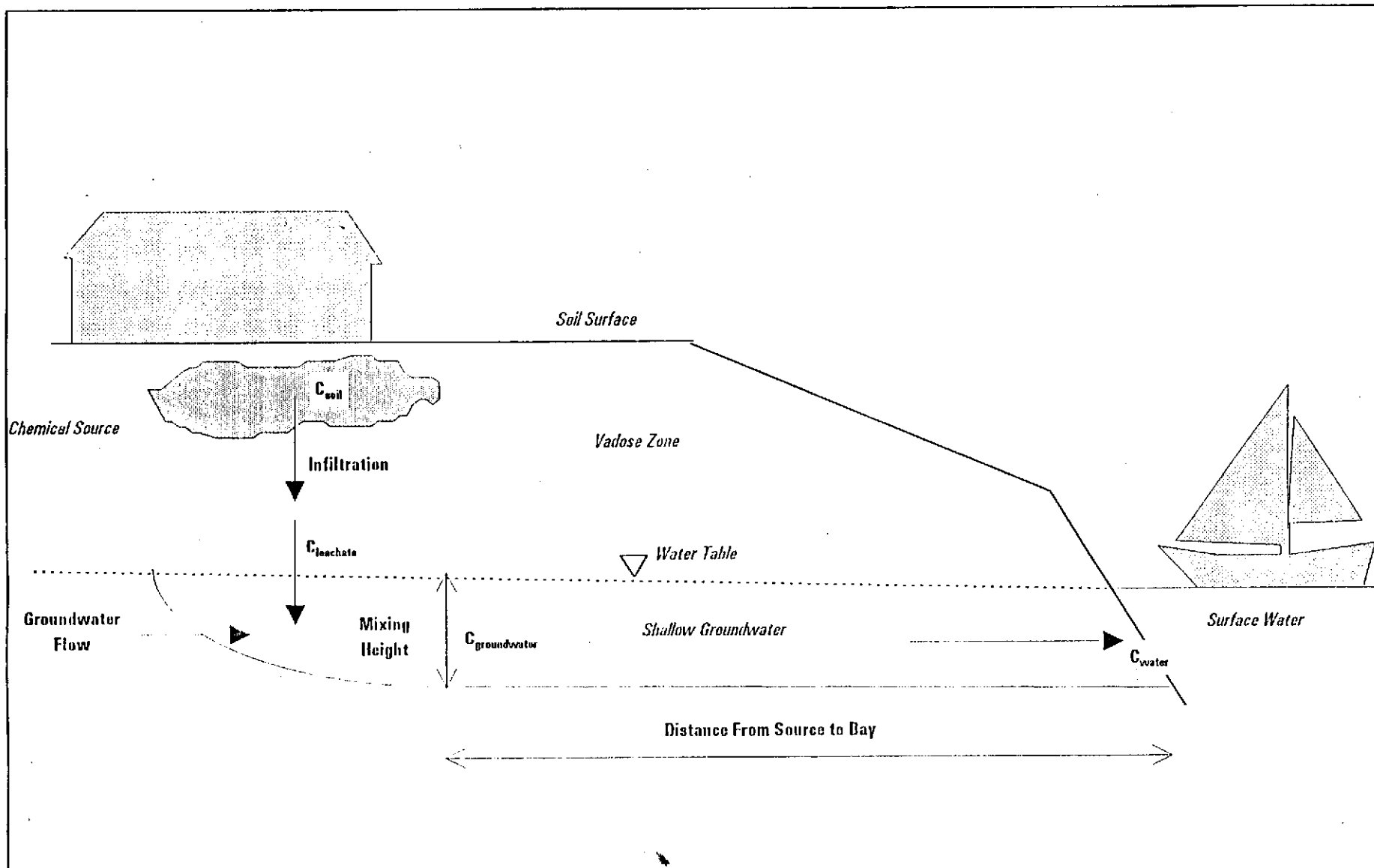


Legend

- ⊕ Approximate Monitoring Well Location
- Approximate Soil Sampling Location
- Approximate Groundwater Grab Sample Location
- - - Property Boundary - Encinal Real Estate
- Property Boundary - Encinal Terminals

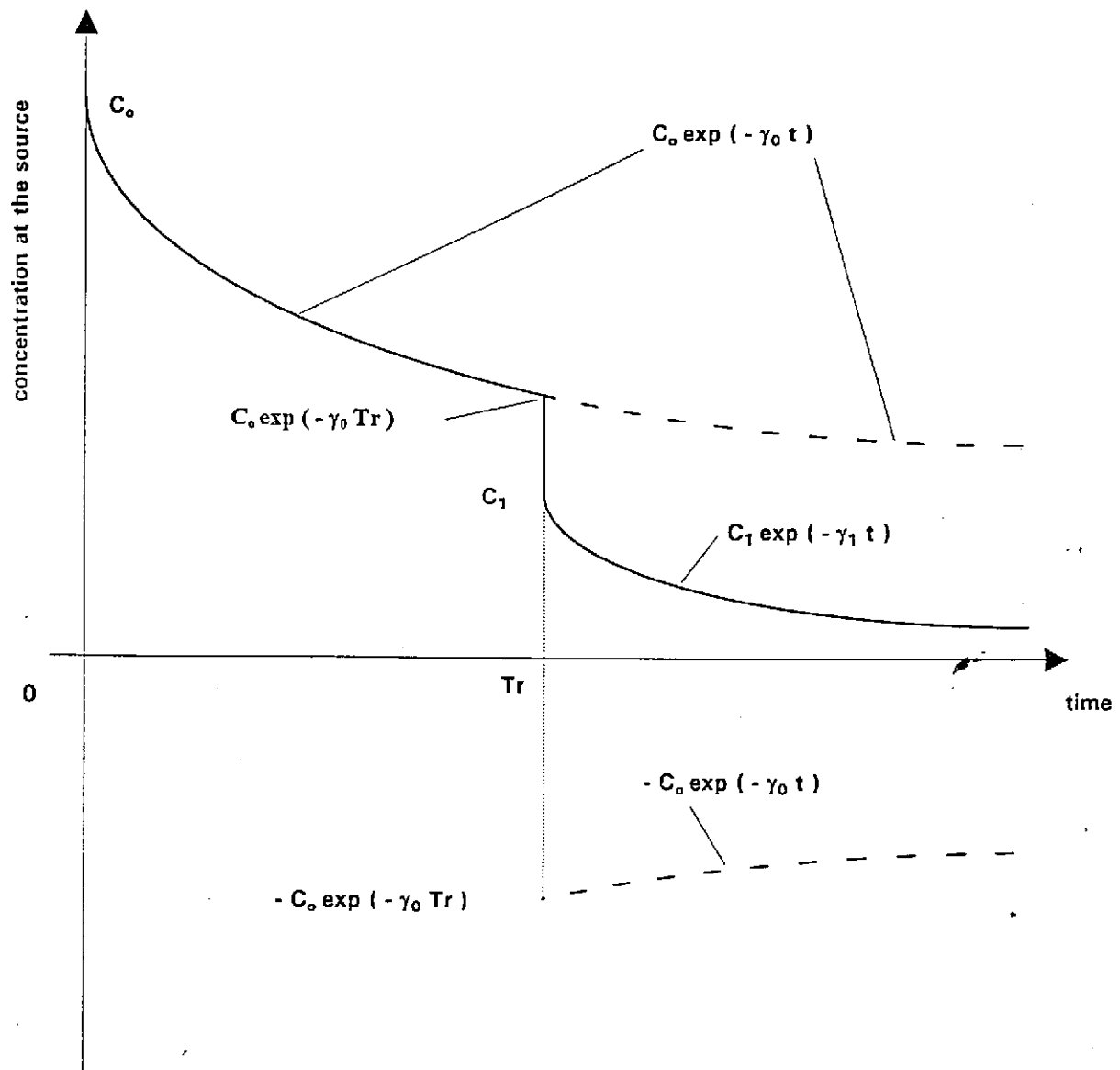
NOT TO SCALE

Project No. 961152NA	ENCINAL REAL ESTATE	SCHEMATIC SITE PLAN VIEW	Figure 1
Woodward-Clyde Consultants			



Note: Not to scale - This figure provided for illustration only

Project No. 961152NA	ENCINAL REAL ESTATE	ILLUSTRATION OF CHEMICAL MIGRATION MODEL	Figure 2
Woodward-Clyde Consultants			



Project No. 961152NA	ENCINAL REAL ESTATE	SCHEMATIC REPRESENTATION OF THE PULSE SOURCE	Figure 3
Woodward-Clyde Consultants			

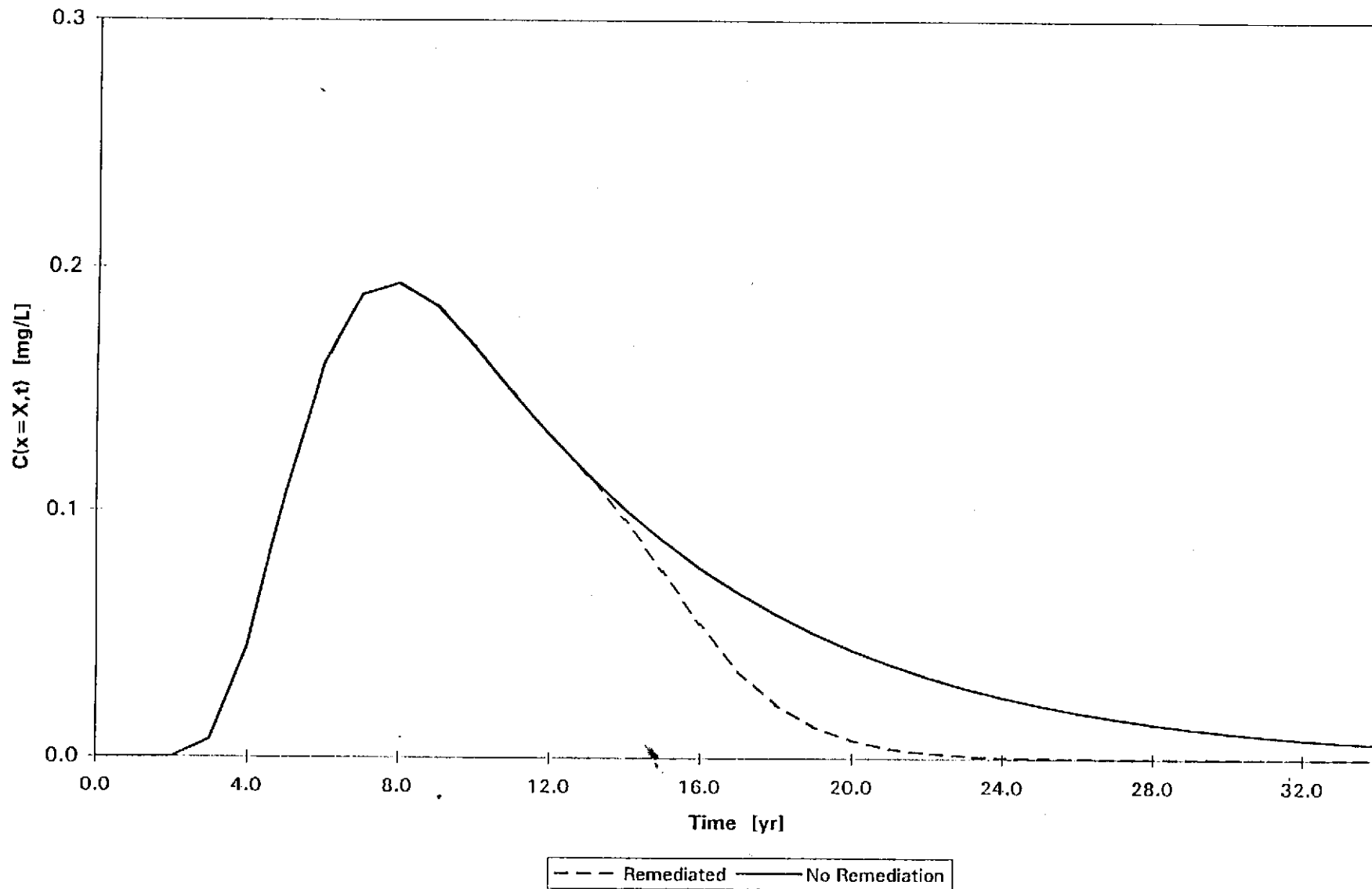
GROUNDWATER MODEL OF CHEMICAL FATE AND TRANSPORT - DECAYING PULSE SOURCE

Model Input Parameters

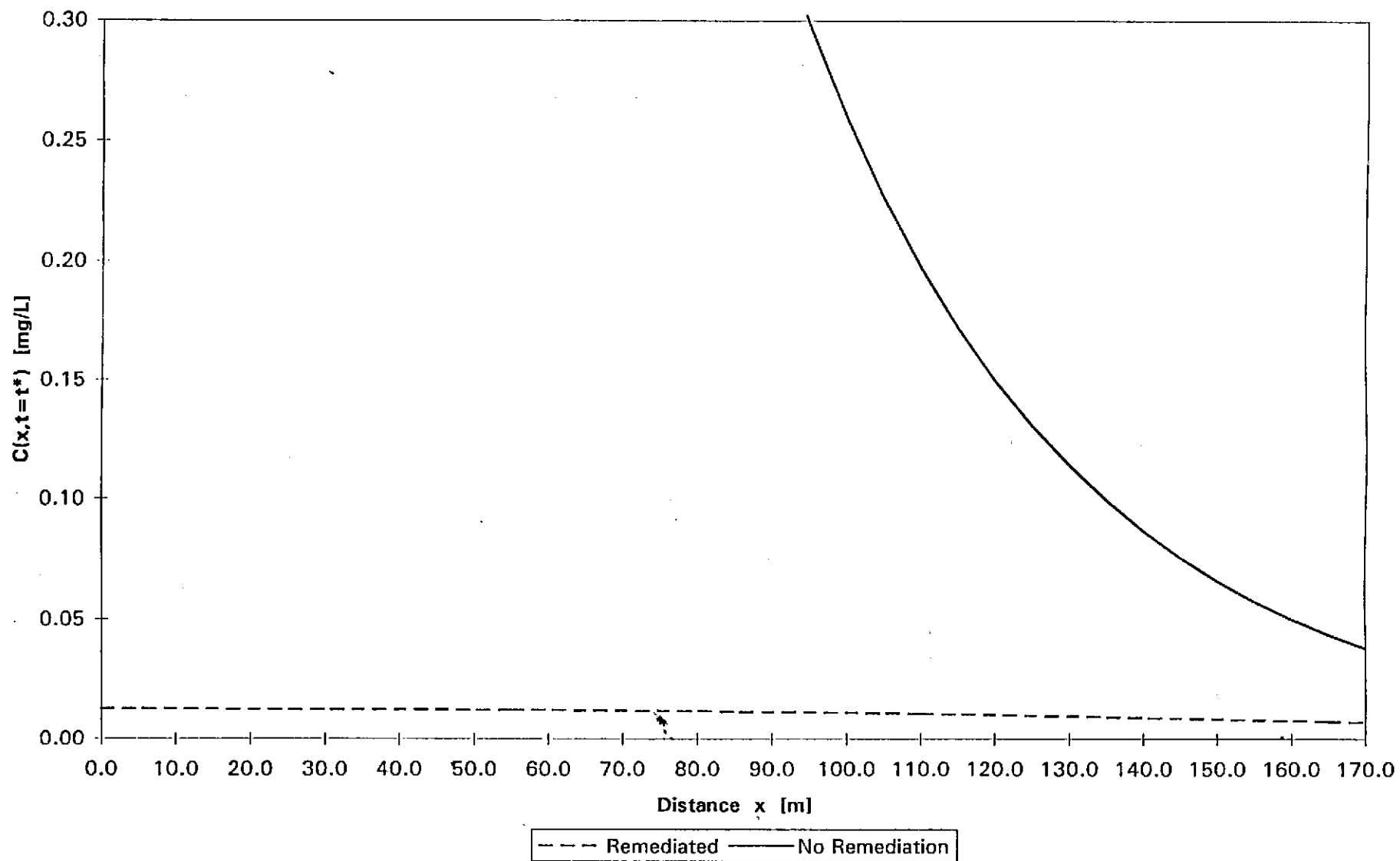
<i>Parameter</i>	<i>Units</i>	<i>Name</i>	<i>Value</i>	<i>Remarks</i>
Initial Source Concentration	[mg/L]	C_0	64	represents the source before remediation
Residual Concentration Post Remediation	[mg/L]	C_r	12.8	assumed equal to the maximum detected residual soil concentration
Distance From Source to Receptor	[m]	X	165	550 feet distance from the source to the bay
Retarded Groundwater Seepage Velocity	[m/yr]	u	14	Darcy's law: $u = k^*/n = 350*0.01/0.25 = 14$
Retarded Dispersion Coefficient	[m ² /yr]	D	231	$D = \alpha^*u = X/10^*u = 165/10^*14$
Retarded Source Decay Rate Before Remediation	[1/yr]	γ_0	0.139	5 years degradation half life - assumes slower decay before remediation
Retarded Source Decay Rate Post Remediation	[1/yr]	γ_1	0.693	1 year degradation half life (Howard 1991)
Retarded Chemical Degradation Coefficient	[1/yr]	λ	0.693	1 year degradation half life (Howard 1991)
Time at Which Remediation Took Place	[yr]	T_{pulse}	10	age of the source when remediation took place
Calculation Time Step	[yr]	Δt	1	concentration will be calculated at distance X every Δt years
Time of Breakthrough Calculation	[yr]	t^*	20	concentration vs. distance will be calculated at time t^*
Distance Step for Calculation	[m]	Δx	5.0	concentration will be calculated at time t^* every Δx meters

This model is based on the solution of the groundwater transport equation given by Marino (1974), adapted to a decaying pulse source to assess the effect of remediation on receptor concentration. 1-D advection and dispersion, retardation and first-order decay are considered.
 Marco Lobascio, San Francisco, California, August 1996.

Receptor Concentration $C(x=X,t)$ Vs. Time at $X=165$ m [mg/L]



$C(x, t = t^*)$ Vs. Distance From Source at Time $t^* = 20$ years [mg/L]



GROUNDWATER MODEL OF CHEMICAL FATE AND TRANSPORT - RESULTS

Distance from the source [m] =

Time of calculation [yr] =

Receptor Concentration Over Time

Breakthrough Concentration at t=t*

t Time [yr]	C _{source} [mg/L]	No Remed. C(x=X,t) [mg/L]	Remed. C(x=X,t) [mg/L]
0.0	64.00	0.000	0.000
1.0	55.69	0.000	0.000
2.0	48.46	0.000	0.000
3.0	42.17	0.007	0.007
4.0	36.70	0.045	0.045
5.0	31.94	0.107	0.107
6.0	27.79	0.161	0.161
7.0	24.19	0.189	0.189
8.0	21.05	0.194	0.194
9.0	18.32	0.184	0.184
10.0	12.79	0.168	0.168
11.0	6.40	0.150	0.150
12.0	3.20	0.132	0.132
13.0	1.60	0.116	0.115
14.0	0.80	0.101	0.097
15.0	0.40	0.088	0.075
16.0	0.20	0.077	0.054
17.0	0.10	0.067	0.036
18.0	0.05	0.058	0.022
19.0	0.03	0.051	0.013
20.0	0.01	0.044	0.008
21.0	0.01	0.038	0.004
22.0	0.00	0.033	0.002
23.0	0.00	0.029	0.001
24.0	0.00	0.025	0.001
25.0	0.00	0.022	0.000
26.0	0.00	0.019	0.000
27.0	0.00	0.017	0.000
28.0	0.00	0.014	0.000
29.0	0.00	0.013	0.000
30.0	0.00	0.011	0.000
31.0	0.00	0.010	0.000
32.0	0.00	0.008	0.000
33.0	0.00	0.007	0.000
34.0	0.00	6.3E-3	7.5E-7
<i>Max. Time</i>		<i>Final Concentrations</i>	

x Distance [m]	No Remed. C(x,t=t*) [mg/L]	Remed. C(x,t=t*) [mg/L]
0.0	3.970	0.013
5.0	3.464	0.013
10.0	3.022	0.012
15.0	2.637	0.012
20.0	2.301	0.012
25.0	2.007	0.012
30.0	1.751	0.012
35.0	1.528	0.012
40.0	1.333	0.012
45.0	1.163	0.012
50.0	1.015	0.012
55.0	0.885	0.012
60.0	0.772	0.012
65.0	0.674	0.012
70.0	0.588	0.012
75.0	0.513	0.012
80.0	0.448	0.012
85.0	0.390	0.012
90.0	0.341	0.011
95.0	0.297	0.011
100.0	0.259	0.011
105.0	0.226	0.011
110.0	0.197	0.011
115.0	0.172	0.010
120.0	0.150	0.010
125.0	0.131	0.010
130.0	0.114	0.010
135.0	0.100	0.009
140.0	0.087	0.009
145.0	0.076	0.009
150.0	0.066	0.009
155.0	0.058	0.008
160.0	0.050	0.008
165.0	0.044	0.008
170.0	3.8E-2	7.2E-3
<i>Max distance</i>		

Distribution of Contaminants in Porous Media Flow

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A mathematical analysis is presented of simultaneous dispersion and adsorption of a solute within homogeneous and isotropic porous media in steady unidirectional flow fields. The dispersion systems are adsorbing the solute at rates proportional to their concentration and are subject to input concentrations that vary exponentially with time. Mathematical solutions are developed for predicting the concentration of contaminants in adsorbing and nonadsorbing porous media for prescribed media and fluid parameters.

The theory of dispersion of miscible fluids in porous media has received considerable attention during the past several years. It has been extensively studied in such processes as cation exchange chromatography and ion exchange in soils. Interest in dispersion in the water resource field has resulted from water quality considerations of artificial recharge and waste water disposal operations, seawater intrusion into coastal aquifers, and seepage from canals and streams into and through aquifers.

Solutions to miscible displacement problems in porous media have been obtained by many investigators. Common to these studies is the assumption of a step function for input concentration; that is, the concentration of the displacing fluid is changed instantaneously from zero to some value and is maintained at this value thereafter. In addition, it is commonly assumed that only mass transport by means of convection and dispersion takes place; that is, additional mass transfer mechanisms are neglected. The type of mass transfer by which dissolved substance is removed from the region occupied by the liquid (liquid phase) owing to the attraction between the solid matrix material of the porous medium (solid phase) and the substance is generally referred to as adsorption.

Analytical solutions for a longitudinal dispersion problem within a semi-infinite nonadsorbing porous medium in a steady unidirectional flow field have been obtained by *Ebach and White* [1958] for an input concentration that is a periodic function of time and by *Ogata and Banks* [1961] for a constant input concentration.

Hoopes and Harleman [1965] studied the problem of dispersion in radial flow from a well fully penetrating a homogeneous, isotropic, nonadsorbing confined aquifer. An approximate solution was obtained for the case of a step input of concentration. In addition, they studied dispersion between two wells, one pumping and the other one recharging at the same rate, fully penetrating the confined aquifer. For this case, three approximate solutions were obtained: one with no dispersion, one with only longitudinal dispersion, and one with only lateral dispersion.

Shamir and Harleman [1966] obtained analytical solutions for longitudinal dispersion in a semi-infinite nonadsorbing layered medium with flow perpendicular to the layers and for lateral dispersion with flow parallel to the layers. Both dispersion systems were subject to a constant input concentration. They also presented a numerical method for the solution of dispersion problems in steady two- and three-dimensional potential flow fields in porous media in which the miscible fluids have the same density and viscosity.

Bruch and Street [1966] considered both longitudinal and lateral dispersion within a semi-infinite nonadsorbing porous medium in a steady unidirectional flow field. An analytical solution was developed for a constant input concentration.

Numerical simulation of dispersion in groundwater aquifers has been extensively studied by *Reddell and Sunada* [1970]. The numerical models were tested on some problems for which exact or approximate analytical solutions are available. Also dispersion along an intruded saltwater wedge was considered.

A physical chemical model for predicting and controlling the movement of contaminants in an isothermal groundwater system in which there are no chemical reactions was developed by *Bredehoeft and Pinder* [1973]. The model was solved numerically and was applied to a groundwater contamination problem in Brunswick, Georgia.

The theory of dispersion in porous adsorbing media has been extensively studied in chromatography [*Bastian and Lapidus*, 1956; *Glueckauf et al.*, 1949; *Fiestier and Vermeulen*, 1952; *Lapidus and Amundson*, 1952]. A recent review with applications to processes of ion exchange in soils is given by *Reiniger and Bolt* [1972].

Adsorption plays an important role in mass transport within natural flow systems. In general, the outcome of any contaminant introduced into the groundwater system is largely dependent on the capacity of the solid matrix material to adsorb the dissolved substance.

Banks and Ali [1964] presented a mathematical analysis of simultaneous dispersion and adsorption of a solute within a porous medium in a one-dimensional steady flow field subject to a constant input concentration. Solutions are presented for the case of longitudinal dispersion without adsorption and for the case of adsorption without dispersion. Numerous laboratory experiments were conducted.

Gershon and Nir [1969] studied the effects of boundary conditions of models on tracer distribution in flow through porous media. They give a solution for a one-dimensional dispersion problem within a semi-infinite adsorbing porous medium subject to a constant tracer mass flux. The solution, as reported by *Bear* [1972], is also presented by *Carslaw and Jaeger* [1959] for the case of heat conduction in a semi-infinite rod with radiation.

Ogata [1970] has presented various analytical solutions for dispersion problems within semi-infinite adsorbing porous media in unidirectional steady flow fields. The dispersion systems are subject to constant input concentrations.

This paper describes mathematical solutions to simplified dispersion problems involving simultaneous dispersion and adsorption of a solute in porous media flow and variable input concentrations of contaminants. In addition, solutions are

presented that take into account the decay of radioactive contaminants through nonadsorbing porous media. The dispersion systems are subject to input concentrations of contaminants that vary exponentially with time. The solutions predict the distribution of contaminants in saturated porous media resulting from the variable source concentrations.

DISPERSION EQUATION

The differential equation describing a homogeneous and isotropic convective dispersion system may be expressed [Bachmat and Bear, 1964; Bear, 1972; de Josselin de Jong and Bossen, 1961; Scheidegger, 1961] as

$$\frac{\partial}{\partial x_i} \left(D_{ij} \frac{\partial C}{\partial x_j} - u_i C \right) = \frac{\partial C}{\partial t} \quad i, j = 1, 2, 3 \quad (1)$$

in which C is the concentration of the dispersing mass (mass of solute per unit volume of fluid), D_{ij} are the components of the factor of dispersion (a second-rank symmetric tensor), u_i is the seepage velocity in direction i , and x_i are the Cartesian coordinates.

For a unidirectional steady flow field in the x direction, (1) becomes

$$D_L \frac{\partial^2 C}{\partial x^2} + D_T \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} = \frac{\partial C}{\partial t} \quad (2)$$

in which D_L and D_T are the longitudinal and transverse (lateral) dispersion coefficients, respectively.

If there is no lateral variation in concentration, then (2) reduces to

$$D_L \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} = \frac{\partial C}{\partial t} \quad (3)$$

The first and second terms of (3) represent the transport of solute due to dispersion and convection, respectively. The right member indicates solute storage in the region occupied by the liquid (liquid phase).

To include chemical reactions and/or adsorption in the transport equation (3), it is generally assumed that changes in tracer concentration resulting from chemical reactions and/or adsorption are additional components in the dispersion equation. Thus the following extensions of (3) may be considered [Banks and Ali, 1964; Bear, 1972; Ogata, 1970].

Presence of adsorption. For an adsorbing dispersion system in which the concentration of the solute in the liquid and solid phases is denoted by C and S , respectively, (3) becomes

$$D \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} = \frac{\partial C}{\partial t} + \frac{1-n}{n} \frac{\partial S}{\partial t} \quad (4)$$

in which n is the porosity of the porous medium. The last term of (4) represents solute storage in the region occupied by the particles (solid phase).

Adsorption equations that relate C to S under equilibrium or nonequilibrium conditions are available in the literature [Crank, 1956; Lapidus and Amundson, 1952; Ogata, 1970]. For example, we may use the equilibrium isotherm

$$S = a'C \quad (5a)$$

or the nonequilibrium relationship

$$\partial S / \partial t = a(C - bS) \quad (5b)$$

in which a , a' , and b are constants. Equation (5b) describes a first-order reversible reaction and is applicable to some ion exchange processes in fluids flowing in porous media. If $bS \ll C$, (5b) reduces to

$$\partial S / \partial t = aC \quad (5c)$$

an expression that describes a first-order irreversible reaction.

It should be noted that the complete solution of a porous medium flow problem in which dispersion and adsorption of a solute take place involves the simultaneous solution of a pair of partial differential equations, say, (4) and any of the rate equations (5), for appropriate initial and boundary conditions on both C and S and for prescribed medium and fluid parameters.

Presence of radioactive decay. If a tracer undergoes radioactive decay as it is being transported through a nonadsorbing porous medium, then the resulting change in tracer concentration may be expressed as

$$\partial C / \partial t = -\lambda C \quad (6)$$

in which λ is the decay constant of the tracer equal to the reciprocal of the mean lifetime of the tracer. The dispersion equation (3) then becomes

$$D \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} - \lambda C = \frac{\partial C}{\partial t} \quad (7)$$

In this case, the complete solution of a dispersion problem involves the solution of one partial differential equation, (7), subject to initial and boundary conditions on C provided that values for D , u , and λ are known.

Presence of adsorption and radioactive decay. If both radioactive decay and adsorption of a solute take place in the porous medium flow, then the concentration equation (3) becomes

$$D \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} - \lambda C - \lambda \frac{1-n}{n} S = \frac{\partial C}{\partial t} + \frac{1-n}{n} \frac{\partial S}{\partial t} \quad (8)$$

Any appropriate rate equation, such as (5a), (5b), or (5c), may be used in conjunction with (8) for the solution of a porous medium flow problem in which dispersion, adsorption, and radioactive decay occur.

THEORY

The theory that follows is confined to simultaneous dispersion and adsorption in steady unidirectional seepage flows through semi-infinite, homogeneous, and isotropic porous media. However, the theory also includes the decay of a radioactive contaminant as it is being transported through nonadsorbing porous media. The dispersion systems to be considered are subject to input concentrations of contaminants that vary exponentially with time.

Case 1

Consider a semi-infinite porous medium in a unidirectional flow field in which the input tracer concentration is $C_0 e^{\gamma t}$, where C_0 is a reference concentration and γ is a constant (Figure 1).

Adsorbing medium. The dispersion system is assumed to be adsorbing the solute at a rate proportional to its concentration. Thus the relation between the concentration of the solute

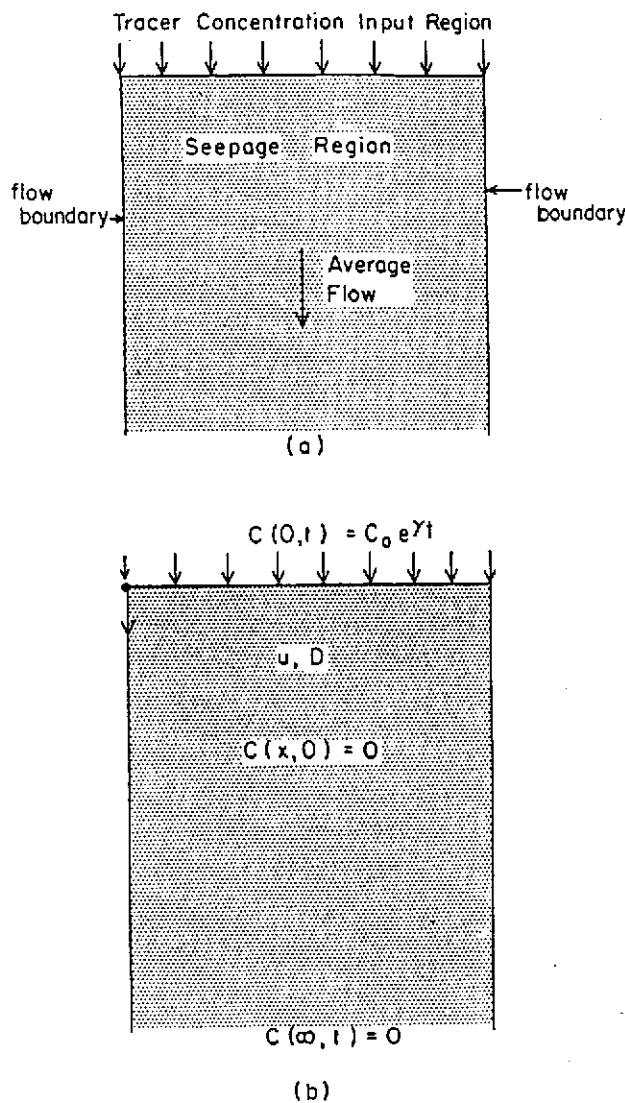


Fig. 1. Schematic representation of semi-infinite porous medium in unidirectional flow field. Source concentration is $C_0 e^{\gamma t}$.

in the liquid and that in the solid phase is of the non-equilibrium type.

The simultaneous dispersion and adsorption problem for the flow system under consideration may be expressed by the partial differential equations

$$D \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} = \frac{\partial C}{\partial t} + \frac{1-n}{n} \frac{\partial S}{\partial t} \quad (9)$$

and

$$\partial S / \partial t = aC \quad (10)$$

subject to the following initial and boundary conditions on the concentration of the solute in the liquid phase,

$$C(x, 0) = 0 \quad x \geq 0 \quad (11)$$

$$C(0, t) = C_0 e^{\gamma t} \quad t > 0 \quad (12)$$

$$C(\infty, t) = 0 \quad t \geq 0 \quad (13)$$

and subject to the initial condition on the concentration of the solute in the solid phase,

$$S(x, 0) = 0 \quad x \geq 0 \quad (14)$$

Conditions (11) and (14) indicate that the solute concentration in both phases is initially zero.

Thus the complete solution of the porous medium flow problem under consideration involves the simultaneous solution of (9) and (10) subject to conditions (11)–(14) for prescribed values of medium and fluid parameters.

Using the transformation

$$C(x, t) = C^*(x, t) \cdot \exp \left\{ \frac{ux}{2D} - \left[\frac{u^2}{4D} + \frac{a(1-n)}{n} \right] t \right\} \quad (15)$$

allows (9) and (10) to be rewritten as

$$\frac{\partial^2 C^*}{\partial x^2} (x, t) = \frac{1}{D} \frac{\partial C^*}{\partial t} (x, t) \quad (16)$$

and (11)–(14) to be expressed as

$$C^*(x, 0) = 0 \quad (17)$$

$$C^*(0, t) = C_0 \cdot \exp \left[\frac{u^2}{4D} + \frac{a(1-n)}{n} + \gamma \right] t \quad (18)$$

$$C^*(\infty, t) = 0 \quad (19)$$

Applying the Laplace transformation with respect to t on the boundary value problem using (17) yields

$$\frac{d^2 \bar{C}^*}{dx^2} (x, p) - \frac{p}{D} \bar{C}^*(x, p) = 0 \quad (20)$$

$$\bar{C}^*(0, p) = C_0/p - \left[\frac{u^2}{4D} + \frac{a(1-n)}{n} + \gamma \right] \quad (21)$$

$$\bar{C}^*(\infty, p) = 0 \quad (22)$$

where the bar indicates the transformed function and p is the parameter of transformation.

It can be shown that a solution to (20) satisfying (21) and (22) is

$$\bar{C}^*(x, p) = C_0 \exp \left[-x(p/D)^{1/2} \right] \cdot \left\{ p - \left[\frac{u^2}{4D} + \frac{a(1-n)}{n} + \gamma \right] \right\}^{-1} \quad (23)$$

Taking the inverse Laplace transformation of (23) gives

$$C^*(x, t) = \frac{C_0}{2} \left\{ \exp \left[\omega t - x \left(\frac{\omega}{D} \right)^{1/2} \right] \cdot \operatorname{erfc} \left[\frac{x - 2t(D\omega)^{1/2}}{2(Dt)^{1/2}} \right] + \exp \left[\omega t + x \left(\frac{\omega}{D} \right)^{1/2} \right] \cdot \operatorname{erfc} \left[\frac{x + 2t(D\omega)^{1/2}}{2(Dt)^{1/2}} \right] \right\} \quad (24)$$

in which

$$\omega = \frac{u^2}{4D} + \frac{a(1-n)}{n} + \gamma \quad (25)$$

Substituting (15) into (24) finally gives

$$C(x, t) = \frac{C_0}{2} \exp(\gamma t) \left\{ \exp \left[\frac{x(u - \alpha)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \alpha t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \alpha)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \alpha t}{2(Dt)^{1/2}} \right) \right\} \quad (26)$$

in which

$$\alpha = \left\{ \frac{u^2 n + 4D[a(1 - n) + \gamma n]}{n} \right\}^{1/2} \quad (27)$$

Equation (26) predicts the concentration of a contaminant as a function of time and space within a semi-infinite adsorbing porous medium if the seepage flow, the source concentration, and the adsorption and dispersion coefficients are prescribed.

Nonadsorbing medium. If mass transfer from the liquid to the solid phase due to adsorption is neglected, then the concentration of the contaminant is given by

$$C(x, t) = \frac{C_0}{2} \exp(\gamma t) \left\{ \exp \left[\frac{x(u - \beta)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \beta t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \beta)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \beta t}{2(Dt)^{1/2}} \right) \right\} \quad (28)$$

in which

$$\beta = (u^2 + 4D\gamma)^{1/2} \quad (29)$$

For a nonadsorbing porous medium subject to a constant input concentration C_0 , (28) simplifies to

$$C(x, t) = \frac{C_0}{2} \left[\operatorname{erfc} \left(\frac{x - ut}{2(Dt)^{1/2}} \right) + \exp \left(\frac{ux}{D} \right) \operatorname{erfc} \left(\frac{x + ut}{2(Dt)^{1/2}} \right) \right] \quad (30)$$

a result that has been obtained by *Glueckauf et al.* [1949] and by *Ogata and Banks* [1961].

Nonadsorbing medium with radioactive decay. If the pollutant undergoes radioactive decay as it is being transported through the nonadsorbing porous medium, the dispersion problem may be expressed by the partial differential equation

$$D \frac{\partial^2 C}{\partial x^2} - u \frac{\partial C}{\partial x} - \lambda C = \frac{\partial C}{\partial t} \quad (31)$$

subject to the conditions

$$C(x, 0) = 0 \quad (32) \quad \text{and}$$

$$C(0, t) = C_0 e^{-\lambda t} \quad (33)$$

$$C(\infty, t) = 0 \quad (34)$$

Applying the Laplace transformation in the usual manner will ultimately yield

$$C(x, t) = \frac{C_0}{2} \exp(\gamma t) \left\{ \exp \left[\frac{x(u - \eta)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \eta t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \eta)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \eta t}{2(Dt)^{1/2}} \right) \right\} \quad (35)$$

in which

$$\eta = [u^2 + 4D(\lambda + \gamma)]^{1/2} \quad (36)$$

For a constant input concentration C_0 , (35) reduces to

$$C(x, t) = \frac{C_0}{2} \left\{ \exp \left[\frac{x(u - \mu)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \mu t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \mu)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \mu t}{2(Dt)^{1/2}} \right) \right\} \quad (37)$$

in which

$$\mu = (u^2 + 4D\lambda)^{1/2} \quad (38)$$

a result that has been obtained by *Bear* [1972, p. 630].

Case 2

The porous medium is represented in Figure 1a, but the source concentration of the contaminant is given by $C_0(1 - e^{-\gamma t})$.

Adsorbing medium. The dispersion system is considered to be adsorbing the solute at a rate proportional to its concentration. Thus the appropriate rate equation expressing solute transfer between the liquid and solid phases is (10).

The solution of the simultaneous dispersion and adsorption problem for the flow system under consideration is given by

$$C(x, t) = \frac{C_0}{2} \left\{ \exp \left[\frac{x(u - \rho)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \rho t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \rho)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \rho t}{2(Dt)^{1/2}} \right) - \exp(-\gamma t) \left[\exp \left[\frac{x(u - \sigma)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \sigma t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \sigma)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \sigma t}{2(Dt)^{1/2}} \right) \right] \right\} \quad (39)$$

in which

$$\rho = \left[\frac{u^2 n + 4Da(1 - n)}{n} \right]^{1/2} \quad (40)$$

$$\sigma = \left\{ \frac{u^2 n + 4D[a(1 - n) - \gamma n]}{n} \right\}^{1/2} \quad (41)$$

Nonadsorbing medium. If there are no chemical reactions, the distribution of the contaminant is given by

$$C(x, t) = \frac{C_0}{2} \left\{ \operatorname{erfc} \left(\frac{x - ut}{2(Dt)^{1/2}} \right) + \exp \left(\frac{ux}{D} \right) \cdot \operatorname{erfc} \left(\frac{x + ut}{2(Dt)^{1/2}} \right) - \exp(-\gamma t) \left[\exp \left[\frac{x(u - \xi)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \xi t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \xi)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \xi t}{2(Dt)^{1/2}} \right) \right] \right\} \quad (42)$$

in which

$$\xi = (u^2 - 4D\gamma)^{1/2} \quad (43)$$

Nonadsorbing medium with radioactive decay. If the tracer under consideration continuously undergoes radioactive decay as it is being transported through the nonadsorbing medium, the tracer concentration is given by

$$C(x, t) = \frac{C_0}{2} \left\{ \exp \left[\frac{x(u - \mu)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \mu t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \mu)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \mu t}{2(Dt)^{1/2}} \right) - \exp(-\gamma t) \left[\exp \left[\frac{x(u - \phi)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x - \phi t}{2(Dt)^{1/2}} \right) + \exp \left[\frac{x(u + \phi)}{2D} \right] \cdot \operatorname{erfc} \left(\frac{x + \phi t}{2(Dt)^{1/2}} \right) \right] \right\} \quad (44)$$

in which

$$\mu = (u^2 + 4D\lambda)^{1/2} \quad (45)$$

and

$$\phi = [u^2 + 4D(\lambda - \gamma)]^{1/2} \quad (46)$$

CONCLUDING REMARKS

Mathematical solutions have been developed for predicting the possible concentration of a given dissolved substance in steady unidirectional seepage flows through semi-infinite, homogeneous, and isotropic porous media subject to source concentrations that vary exponentially with time. The expressions take into account the decay of a radioactive contaminant as well as mass transfer from the liquid to the solid phase due to adsorption. For simultaneous dispersion and adsorption of a solute the dispersion system is considered to be adsorbing the solute at a rate proportional to its concentration.

Mass transfer due to adsorption plays an important role in mass-transport within natural flow systems. In general, the outcome of any contaminant introduced into the groundwater system is largely dependent on the capacity of the solid matrix material to adsorb the dissolved substance. Approximation of the adsorption rate is used in the mathematical analysis for lack of better data that take into account the macroscopic aspects of adsorption in groundwater systems.

The analytical expressions developed herein should prove helpful in making quantitative predictions on the possible con-

tamination of groundwater supplies resulting from seepage of high salt concentrations in drainage ditches, canals, and streams and from groundwater movement through buried wastes. In addition, they should prove useful for other processes such as ion exchange in soils and decay of organic substances.

NOTATION

- a constant in nonequilibrium adsorption equation, T^{-1} .
- a' constant in equilibrium adsorption equation.
- C concentration of solute in liquid phase.
- C_0 reference concentration.
- D dispersion coefficient, L^2T^{-1} .
- n porosity of porous medium.
- S concentration of solute in solid phase.
- t time, T .
- u average seepage velocity, LT^{-1} .
- x coordinate parallel to flow, L .
- α parameter defined by (27).
- β parameter defined by (29).
- γ constant, T^{-1} .
- η parameter defined by (36).
- λ decay constant of the tracer, T^{-1} .
- μ parameter defined by (38).
- ξ parameter defined by (43).
- ρ parameter defined by (40).
- σ parameter defined by (41).
- ϕ parameter defined by (46).
- ω parameter defined by (25).

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(Received July 20, 1973;
revised May 14, 1974.)

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1,1-Dichloroethane

CAS Registry Number: 75-34-3

Half-lives:

• **Soil:**
High: 3696 hours (22 weeks)
Low: 768 hours (32 days)

Comment: Scientific judgement based upon methane acclimated soil grab sample data (low $t_{1/2}$: Henson, JM et al. (1989)) and sub-soil grab sample data from a ground water aquifer (high $t_{1/2}$: Wilson, JT et al. (1983)).

• **Air:**
High: 2468 hours (103 days)
Low: 247 hours (10.3 days)

Comment: Based upon photooxidation half-life in air.

• **Surface Water:**
High: 3696 hours (22 weeks)
Low: 768 hours (32 days)

Comment: Scientific judgement based upon estimated aqueous aerobic biodegradation half-life.

• **Ground Water:**
High: 8640 hours (22 weeks)
Low: 1344 hours (64 days)

Comment: Scientific judgement based upon estimated aqueous aerobic biodegradation half-life and sub-soil grab sample data from a ground water aquifer (high $t_{1/2}$: Wilson, JT et al. (1983)).

Aqueous Biodegradation (unacclimated):

• **Aerobic half-life:**
High: 3696 hours (22 weeks)
Low: 768 hours (32 days)

Comment: Scientific judgement based upon estimated methane acclimated soil grab sample data (low $t_{1/2}$: Henson, JM et al. (1989)) and sub-soil grab sample data from a ground water aquifer (high $t_{1/2}$: Wilson, JT et al. (1983)).

• **Anaerobic half-life:**
High: 14784 hours (88 weeks)
Low: 3072 hours (128 days)

Comment: Scientific judgement based upon estimated aqueous aerobic biodegradation half-life.

• **Removal/secondary treatment:**
High: No data
Low:

Comment:

Photolysis:

• **Atmos photol half-life:**
High: No data
Low:

Comment:

• Max ligh
Comment:

• Aq photo

Comment:

Photooxidation

• **Water:**

Comment:

• **Air:**

Comment: I
air (Atkensor)

Reduction half-l

Comment:

Hydrolysis:

• **First-order**

Comment:

• **Acid rate c**

Comment:

• **Base rate c**

Comment:

· Max light absorption (nm): No data
Comment:

· Aq photol half-life: High: No data
Low:
Comment:

Photooxidation half-life:

· Water: High: No data
Low:
Comment:

· Air: High: 2468 hours (103 days)
Low: 247 hours (10.3 days)

Comment: Based upon measured rate data for the vapor phase reaction with hydroxyl radicals in air (Atkinson, R (1985)).

Reduction half-life: High: No data
Low:

Comment:

Hydrolysis:

· First-order hydr half-life: No data
Comment:

· Acid rate const (M(H⁺)-hr)⁻¹:
Comment:

· Base rate const (M(OH⁻)-hr)⁻¹:
Comment:

weeks)
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32 days)
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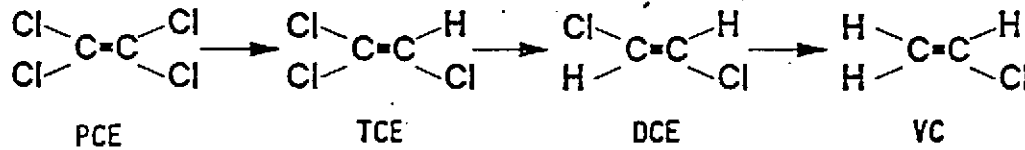
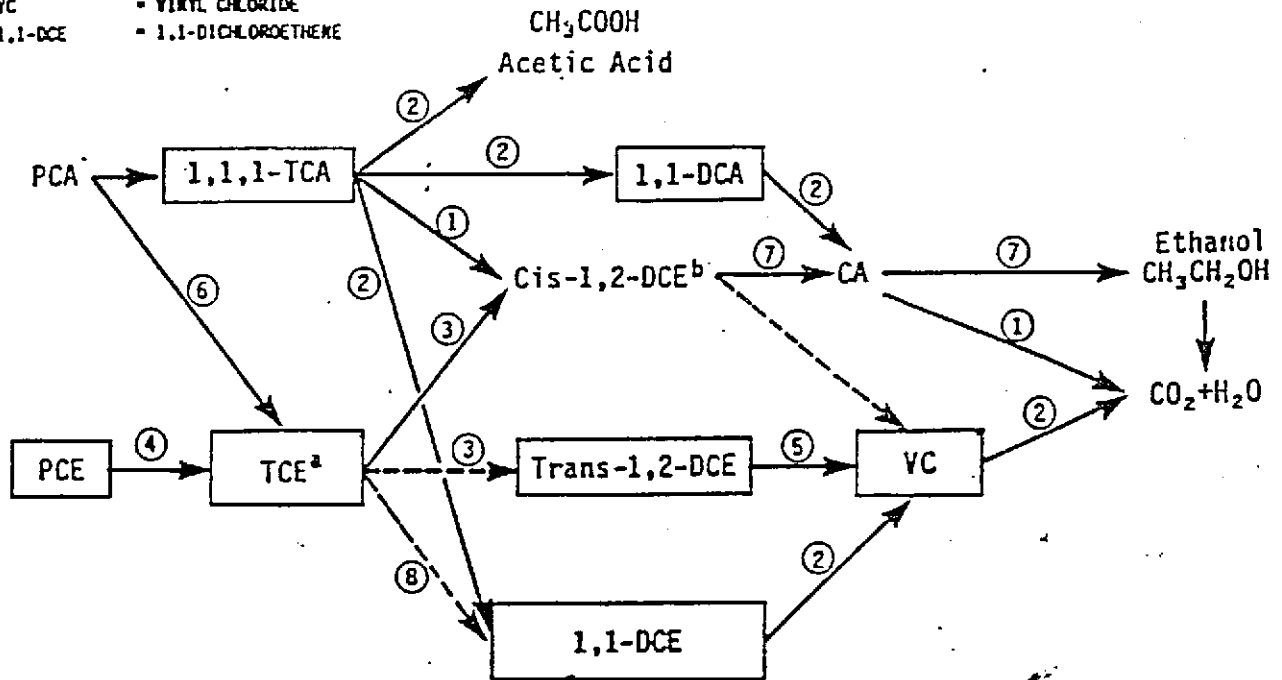
1 weeks)
54 days)
egradation half-life
n, JT et al. (1983)).

2 weeks)
32 days)
soil grab sample data
ound water aquifer

3 weeks)
28 days)
egradation half-life.

EXPLANATION

- PCA = TETRACHLOROETHANE
- 1,1,1-TCA = 1,1,1-TRICHLOROETHANE
- 1,1-DCA = 1,1-DICHLOROETHANE
- CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
- CA = CHLOROETHANE
- PCE = TETRACHLOROETHENE
- TCE = TRICHLOROETHENE
- Trans-1,2-DCE = Trans-1,2-DICHLOROETHENE
- VC = VINYL CHLORIDE
- 1,1-DCE = 1,1-DICHLOROETHENE



K_{oc}

364

126

59

8.2

PATH REFERENCE	MAJOR MECHANISM	NOTES
① McCarty (1986)	Biodegradation ↓ Abiotic Elimination ↓ Biodegradation ↓	--- Minor Pathway Half life reaction rates detailed in Table 4-1 a Cis 1,2-DCE generated at approximately 30 times the concentration of Trans 1,2-DCE (3) and by a factor of 25:1 (8)
② Vogel & McCarty (1987 b)		
③ Kloepler et al (1985)		
④ Parsons et al (1984)		
⑤ Barrio-Lage et al (1986)		
⑥ Cooper et al (1987)		
⑦ Vogel et al (1987)		
⑧ Wood et al (1985)		

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 210
Oakland, CA 94621
(510) 271-4300

August 26, 1996

Peter Wang
P.O. Box 2453
Alameda, CA - 94501

Ref: Encinal Properties, 2020 Sherman Drive, Alameda, CA

Dear Mr. Wang:

I am in receipt of the documents "Workplan for Soil Excavation and Backfilling", dated August 13, 1996 and "Results of Fate and Transport Modeling", dated August 21, 1996, prepared by Woodward-Clyde for the above referenced site.

Phase I and Phase II Assessments were conducted by MSE Environmental which did not identify the presence of any petroleum hydrocarbons in the soil and groundwater. However, a soil and groundwater investigations conducted by Kaldveer Associates in the year 1990 which included the installations of shallow wells, MW-1 through MW-8, revealed the presence of chlorinated solvents in the soil and groundwater. In 1994, Geomatrix installed four piezometers (P1 thru P4) and collected 21 grab groundwater samples for the referenced property. Based on the laboratory results, a localized source of 1,1 DCA and other solvents was identified. A monitoring well, MW-10 was installed in March 1995 by Geomatrix as a trigger point to detect any migration of chlorinated solvents in the groundwater toward the bay.

Based on the current monitoring data submitted to this Department in April 1996, no solvents have been identified in monitoring well, MW-10. Furthermore, in response to request made by this Department, a fate and transport modeling was done to evaluate the potential for chemical migration in shallow groundwater from the site towards the bay. The modeling results indicate that there is no likelihood for significant concentrations of chlorinated solvents to migrate towards the bay.

This Department accepts the results of the fate and transport modeling for chlorinated solvents, and approves the workplan for soil excavation. To move the site towards closure with regards to chlorinated solvents, the extent of chlorinated solvents in soil should be completely defined, contaminated soils should be remediated/excavated to the cleanup levels established through the risk assessment done by Geomatrix and any excavated soil should be either disposed or appropriately remediated.

If you have any questions, you may reach me at (510) 567-6764.

Sincerely,



Madhulla Logan
Hazardous Material Specialist

CC: Sum Arigala, San Francisco Regional Water Quality Control Board, 2101 Webster St,
Oakland, CA

Marco Lobascio, Woodward-Clyde - 500 12th Street, Suite 100, Oakland, CA 94607

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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December 17, 1996

Mr. Peter Wang
P.O. Box 2453
Alameda, CA - 94501

Ref: Encinal Properties, 2020 Sherman Drive, Alameda, CA

Dear Mr. Wang:

I am in receipt of the document "Revised Environmental Review Planned Development Project", dated September 1996, prepared by Woodward Clyde Consultants for the above referenced project.

Previous investigations conducted by Kaldveer Associates and Geomatrix Consultants in the year 1990 and 1994 respectively, identified chlorinated solvents in both the soil and the groundwater. Subsequently, about 400 cubic yards of soil was excavated by Geomatrix. The confirmation sample results indicated that the solvent contaminated soils has been adequately removed except in areas around sample locations SS-39, SS-40 and SS-41, where additional delineation was required. The stockpiled soils were placed on an asphaltic concrete paved area to treat the solvents through aeration.

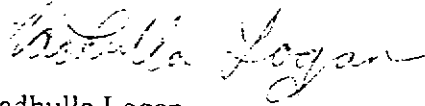
In response to a request by this Department, through a letter dated May 13, 1996, additional soil excavation was performed by Woodward Clyde in areas where residual chlorinated solvents were previously identified. The soils excavated by Geomatrix and Woodward Clyde were sampled in June 1996 and September 1996. The concentrations of chlorinated solvents identified in the samples did not exceed the site specific cleanup levels that were established by Geomatrix in 1995.

Based on the information provided to this Department, the chlorinated solvents on site have been remediated to an acceptable level. Hence no further action with regards to the chlorinated solvents is required. However, the stockpiled soils on site should be sampled for lead, to enable this Department to make any decisions on the re-usability of these soils as a backfill (since the lead contaminated areas overlap with the areas where chlorinated solvents were previously identified).

However, please note that the lead contamination on site is an issue that still needs to be addressed. A work plan addressing the lead contamination, dated August 29, 1996, and an amendment to the workplan, dated September 9, 1996, prepared by Woodward Clyde were approved by this Department in a letter dated September 13, 1996. As of this date, the work proposed in the workplan has not been implemented. The proposed work, including the sampling of the stockpiled soils for lead should be implemented within 30 days from the date of this letter. This is a formal request for technical information as per Health and Safety Code, Section 25187.1 and hence any delays in implementing the required work should be requested in writing.

If you have any questions, you may reach me at (510) 567-6764.

Sincerely,



Madhulla Logan
Hazardous Material Specialist

CC: **Sum Arigala**, San Francisco Regional Water Quality Control Board, 2101 Webster St,
Oakland, CA

Marco Lobascio, Woodward-Clyde - 500 12th Street, Suite 100, Oakland, CA 94607

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 Webster Street, Suite 500

Oakland, CA 94612

Tel: (510) 286-1255

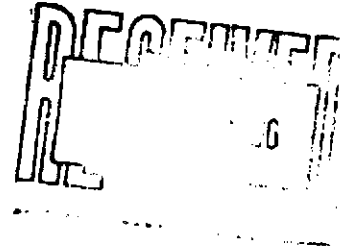
FAX: (510) 286-1380

BBS: (510) 286-0404



DEC 23 1996

File No. 2223.09(GVL)



Mr. Peter Wang
Encinal Terminals
1521 Buena Vista Avenue
Alameda, California 94501

Subject: Cleanup and Abatement Order No. 94-004, Issued to Encinal Terminals for the Discharge of Waste Material to Ground Without Waste Discharge Requirements

Dear Mr. Wang:

As asserted in your letter dated August 26, 1996, you certified that all waste subject to Cleanup and Abatement Order No. 94-004, has been removed from the subject site. Staff finds that Encinal Terminals has complied with the provisions of subject Order and recommend its rescission. Therefore, I am pleased to rescind Cleanup and Abatement Order No. 94-004.

If you have any questions regarding this letter, please contact George Leyva at 510-286-3976.

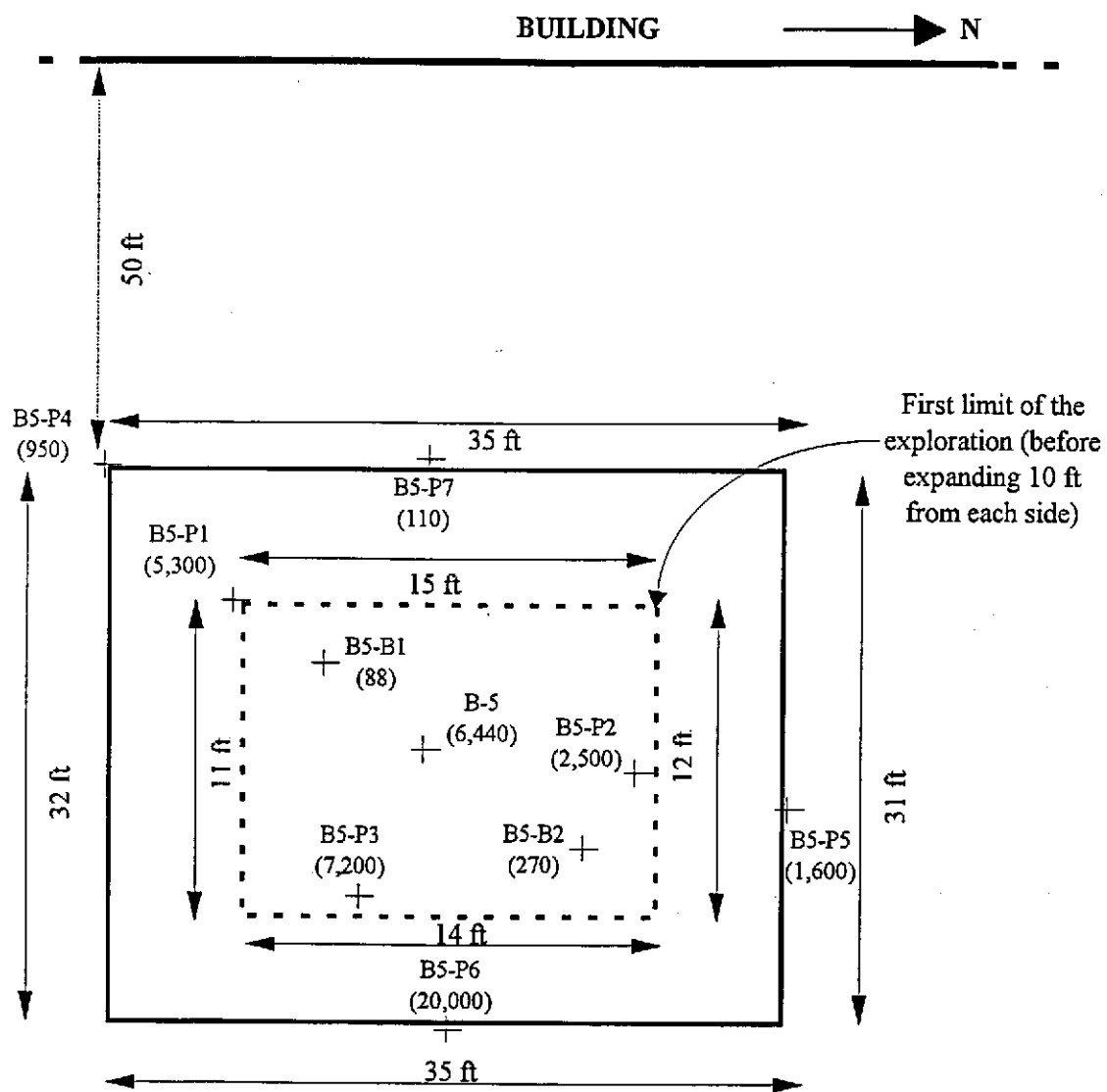
Sincerely,

Loretta K. Barsamian
Loretta K. Barsamian
Executive Officer

Post-It™ brand fax transmittal memo 7671		# of pages >
To	<i>Mr. Albert Ridley</i>	
From	<i>Peter Wang</i>	
Co.	<i>Woodward Clyde</i>	
Co.	<i>Encinal Terminals</i>	
Dept.		
Phone #	<i>510 523-8800</i>	
Fax #	<i>874-3268</i>	
	<i>510 521-5844</i>	

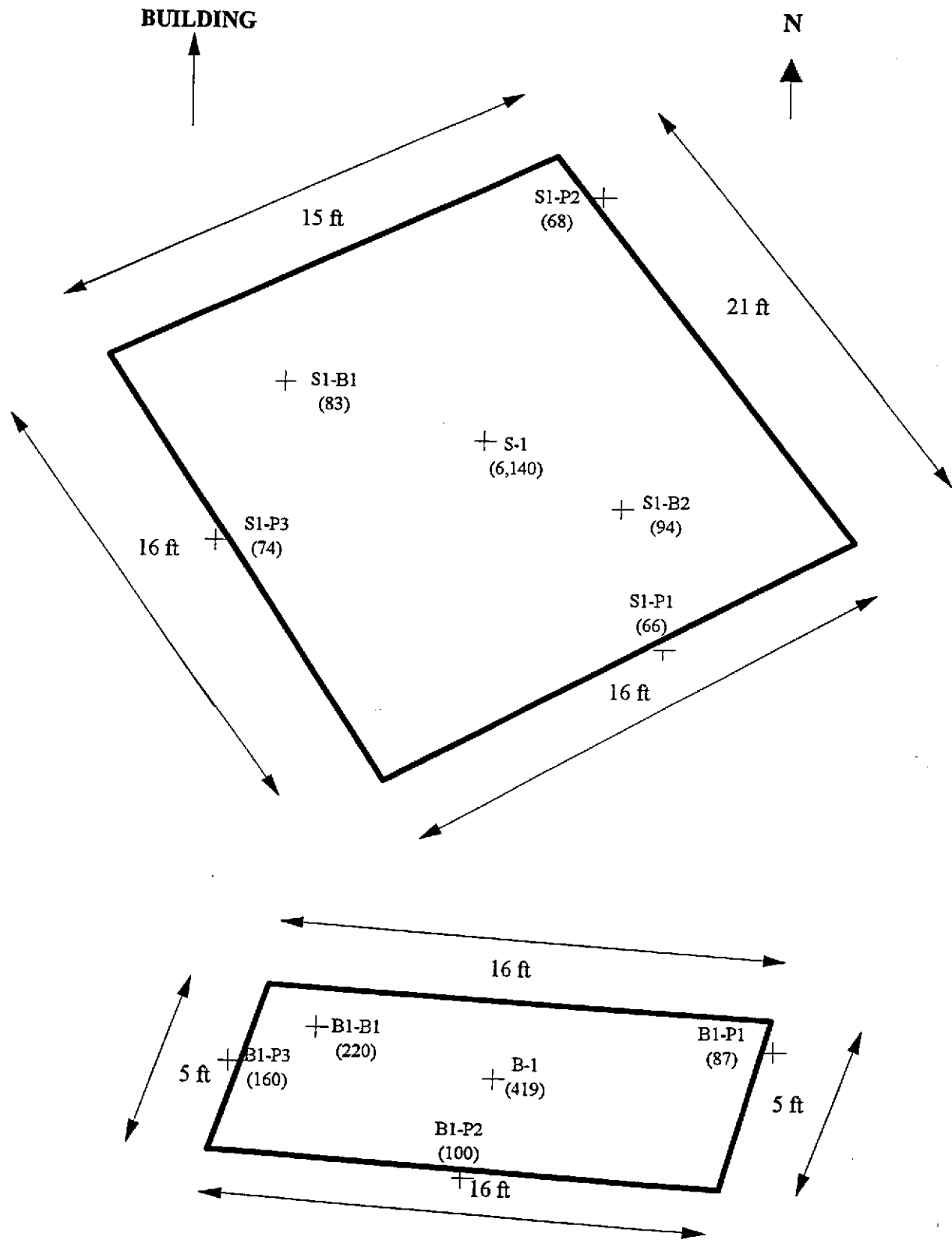
APPENDIX B

Previous Laboratory Results



B5-P6 (20,000) + Legend:
 + Soil sample location
 (lead concentration [mg/kg])
 Soil samples collected at 1 foot deep
 (exploration not to scale)

Project No. 961163NA	ENCINAL REAL ESTATE, INC.	B-5 LEAD EXPLORATION	Figure 4
Woodward-Clyde Consultants			



Legend:
 S1-P1 (66) - Soil sample location
 (lead concentration [mg/kg])
 Soil samples collected at 1 foot deep
 (exploration not to scale)

Project No. 961163NA	ENCINAL REAL ESTATE, INC.	S-1 AND B-1 LEAD EXPLORATION	Figure 5
Woodward-Clyde Consultants			

TABLE I

RESULTS OF LABORATORY ANALYSES OF
SOIL SAMPLES FOR VOCs AND TPH DIESEL,
GASOLINE AND MOTOR OIL

	8260	Diesel 8015Md	Motor Oil 8015M	Gasoline 8015M
	mg/kg	mg/kg	mg/kg	mg/kg
S-1	ND	ND	2,900*	ND
S-2	ND	ND	510	ND
S-3	ND	ND	1,400*	ND
S-4	ND	ND	2,300*	ND
S-5	ND	ND	680	ND
S-6	ND	ND	2,100*	ND
S-7	ND	ND	62	ND
S-8	ND	ND	570	ND
S-9	ND	ND	150	ND
S-10	ND	ND	390	ND
M-1-Carbon Disulfide	0.015**	ND	96	ND
M-2-Carbon Disulfide	0.077**	ND	27	ND
B-1	ND	ND	1,300*	ND
B-2-2	ND	ND	950	ND
B-3		ND	880	ND
B-4-2.5'-Carbon Disulfide	0.020**	ND	17	ND
2-Butanone	0.047**			
B-5		ND	250	ND
B-6		ND	730	ND
B-7		ND	470	ND

*Note: California RWQCB cleanup level for TPH as motor oil is 1,000 mg/kg

**Note: USEPA PRG for residential soil is 16 mg/kg for carbon disulfide, and 8,700 mg/kg for 2-butanone (methyl ethyl ketone).

TABLE II

RESULTS OF LABORATORY ANALYSES OF
SOIL SAMPLES FOR CHLORINATED HERBICIDES
results in mg/kg

	EPA 8150 Chlorinated Herbicides
B-1	ND
B-2	ND
B-3	ND
B-4	ND
B-5	ND
B-6	ND
B-7	ND
S-1	ND
S-2	ND
S-3	ND
S-4	ND
S-5	ND
S-6	ND
S-7	ND
S-8	ND
S-9	ND
S-10	ND
M-1	ND
M-2	ND

TABLE III

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FOR TITLE 22 METALS

results in mg/kg

	B-1	B-2	B-3	B-4	B-5	B-6	B-7	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	M-1	M-2	EPA Res PRG mg/kg	Title 22 TTLC	
Antimony	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	31	500
Arsenic	5.1	7	3.5	6.9	8.6	12.8	6.2	5.2	9.3	7.2	2.5	2.7	4.7	7	8.7	6.7	6.3	3.5	3.2	32	500	
Barium	73.9	78.1	50.5	37.1	163	112	243	72	82.5	112	57.1	42.7	81.8	91.1	100	3.8	99.1	10.9	24.2	5,300	10,000	
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.69	<0.5	0.58	0.52	<0.5	<0.5	0.14	75	
Cadmium	0.87	<0.5	<0.5	<0.5	0.88	0.91	<0.5	<0.5	0.62	<0.5	<0.5	<0.5	<0.5	0.7	0.82	0.61	0.8	<0.5	<0.5	38	100	
Chromium	36.8	30.9	47.2	51.4	192	48.6	108	157	34.9	38.1	28.8	27.5	37.7	42	49	64.2	31.7	16.1	44.4	210	2,500	
Cobalt	7.9	8	7.3	9.4	17	13.9	23.2	14.8	9.2	9.3	5.5	6	9.8	14.7	13.2	10	14.2	5.7	7.8	4,600	8,000	
Copper	138	62.9	22.2	35.5	61.4	119	21.7	35	39.3	103	20.1	41.8	20.9	58.8	65.4	39.5	68.9	22.2	28.8	2,800	2,500	
Lead	419	159	35.5	11.1	6,440	192	22.9	6,140	74.4	179	22.2	28.8	32.7	80.8	188	26.5	214	25.5	10	130*	1,000	
Mercury	0.14	0.089	0.1	0.088	0.21	0.18	0.084	0.051	0.19	0.16	0.04	0.071	0.064	0.15	0.25	0.3	0.19	0.038	<0.033	**	20	
Molybdenum	<1	1.4	<1	1.1	2.7	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	1	<1	<1	380	3,500	
Nickel	34.5	42.7	40.4	48.8	72.5	75.7	143	87.2	29.6	48.9	29.1	33.6	36.7	64.3	59.6	58	52.2	23.2	44.2	150*	2,000	
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	380	100	
Silver	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	380	500	
Thallium	<1	1.3	<1	<1	2.4	1.9	<1	<1	<1	<1	<1	<1	<1	<1	1.4	<1	1.3	<1	<1	**	700	
Vanadium	34.2	27.5	28.9	45.8	41.7	39.9	31	30.2	39.3	31.4	24	29.8	38.4	40.3	45.3	53.1	53.9	26.4	38.2	540	2,400	
Zinc	122	105	55.1	57.7	2,950	134	73.9	93.4	121	127	43.6	55.5	56.3	120	142	95.5	242	76.9	62.4	23,000	5,000	

exceeds Preliminary Remediation Goal (PRG)

* Cal Modified PRG

**No PRG listed

TABLE III a

**LEAD ANALYTICAL RESULTS FOR SOIL
ABL RAILROAD RIGHT-OF -WAY
RAIL LINE AREA**

Location	Date Sampled and Analyzed	Result [mg/kg]
CHECK-1	11-Sep-96	93
CHECK-2	11-Sep-96	200
B5-P1	11-Sep-96	5,300
B5-P2	11-Sep-96	2,500
B5-P3	11-Sep-96	7,200
B5-B1	11-Sep-96	88
B5-B2	11-Sep-96	270
B5-P4	11-Sep-96	950
B5-P5	11-Sep-96	1,600
B5-P6	11-Sep-96	20,000
B5-P7	11-Sep-96	110
SS-4	11-Sep-96	560
SS-5	11-Sep-96	260
SS-6	11-Sep-96	390
B5-P8	12-Sep-96	1,200
B5-P10	12-Sep-96	5,100
B5-P9	12-Sep-96	1,300
B5-P11	12-Sep-96	260
SS-7	12-Sep-96	6,100
SS-8	12-Sep-96	5,500
SS-9	12-Sep-96	1,700
SS-10	12-Sep-96	840
SS-11	12-Sep-96	1,000
SS-14	12-Sep-96	390
SS-12	12-Sep-96	2,900
SS-13	12-Sep-96	830
SS-16	12-Sep-96	1,200
SS-17	12-Sep-96	630
SS-15	12-Sep-96	110
SS-18	12-Sep-96	380
SS-19	12-Sep-96	690
SS-20	12-Sep-96	100
SS-21	12-Sep-96	690
SS-22	12-Sep-96	1,600
SS-23	12-Sep-96	190
SS-5-P1	12-Sep-96	180
SS-5-P2	12-Sep-96	230
SS-5-P3	12-Sep-96	110
SS-6-P1	12-Sep-96	2,200

TABLE III a

**LEAD ANALYTICAL RESULTS FOR SOIL
ABL RAILROAD RIGHT-OF-WAY
RAIL LINE AREA**

Location	Date Sampled and Analyzed	Result [mg/kg]
SS-6-P2	12-Sep-96	260
SS-6-P3	12-Sep-96	570
SS-24	12-Sep-96	273
SS-25	12-Sep-96	1,100
SS-26	12-Sep-96	430
SS-27	12-Sep-96	340
SS-28	12-Sep-96	600
SS-29	12-Sep-96	1,000
SS-31	12-Sep-96	400
SS-32	12-Sep-96	410
SS-33	12-Sep-96	6,400
SS-30	12-Sep-96	620
SS-34	13-Sep-96	320
SS-35	13-Sep-96	320
SS-49	13-Sep-96	1,600
SS-50	13-Sep-96	1,700
SS-51	13-Sep-96	460
SS-52	13-Sep-96	17,000
SS-53	13-Sep-96	630
SS-57	13-Sep-96	1,700
SS-58	13-Sep-96	300
SS-59	13-Sep-96	860
SS-60	13-Sep-96	110
SS-61	13-Sep-96	190
SS-62	13-Sep-96	410
SS-63	13-Sep-96	370

Note:

Analysis was performed using Energy Dispersive X-ray Fluorescence.


 Lead concentrations that exceed the target level of 400 mg/kg.

TABLE III b
LEAD ANALYTICAL RESULTS FOR SOIL
ABL RAILROAD RIGHT-OF -WAY
TRIANGLE AREA

Location	Date Sampled and Analyzed	Result [mg/kg]
S1-P1	11-Sep-96	66
S1-P2	11-Sep-96	68
S1-P3	11-Sep-96	74
S1-B1	11-Sep-96	83
S1-B2	11-Sep-96	94
B1-P1	11-Sep-96	87
B1-P2	11-Sep-96	100
B1-P3	11-Sep-96	160
B1-B1	11-Sep-96	220
SS-1	11-Sep-96	97
SS-2	11-Sep-96	110
SS-3	11-Sep-96	98
SS-36	13-Sep-96	79
SS-37	13-Sep-96	100
SS-38	13-Sep-96	110
SS-39	13-Sep-96	87
SS-40	13-Sep-96	150
SS-41	13-Sep-96	63
SS-42	13-Sep-96	98
SS-43	13-Sep-96	120
SS-44	13-Sep-96	600
SS-45	13-Sep-96	200
SS-46	13-Sep-96	150
SS-47	13-Sep-96	97
SS-48	13-Sep-96	200
SS-55	13-Sep-96	160
SS-44-P1	13-Sep-96	39
SS-44-P2	13-Sep-96	60
SS-44-P3	13-Sep-96	90
SS-56	13-Sep-96	200

Note:

Analysis was performed using Energy Dispersive X-ray Fluorescence.


 Lead concentrations that exceed the target level of 400 mg/kg.

TABLE IV

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FOR ORGANIC TIN
 by C.A. Krone, et al. Method
 Results in ug/kg

Analyte	Reporting	Sample Number																			
	Limit	B-1	B2-2	B-3	B4-2.5	B-5	B-6	B-7	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	M-1	M-2	
Tributyltin	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 5
Dibutyltin	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 5	ND	ND	ND	ND	ND	ND	< 5
Butyltin	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = not detected above the reporting limit

TABLE V

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FOR SEMI-VOLATILE ORGANICS
 by EPA Method 8270
 Results in ug/kg

Analyte	Sample Number																			
	B-1	B2-2	B-3	B4-2.5	B-5	B-6	B-7	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	M-1	M-2	
All Standard Analytes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = not detected above the reporting limit
 See laboratory reports for reporting limits

TABLE VI
RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FOR HERBICIDES
by EPA Method 8150
Results in ug/kg

Analyte	Reporting	Sample Number																		
	Limit	B-1	B2-2	B-3	B4-2.5	B-5	B-6	B-7	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	M-1	M-2
2,4-D	< 200	< 1,000	ND	ND	ND	ND	ND	ND	ND	< 1,000	ND	< 1,000	< 1,000	< 1,000	ND	ND	ND	ND	ND	ND
2,4-DB	< 200	< 1,000	ND	ND	ND	ND	ND	ND	ND	< 1,000	ND	< 1,000	< 1,000	< 1,000	ND	ND	ND	ND	ND	ND
2,4,5-T	< 40	< 200	ND	ND	ND	ND	ND	ND	ND	< 200	ND	< 200	< 200	< 200	ND	ND	ND	ND	ND	ND
2,4,5-TP (silver)	< 40	< 200	ND	ND	ND	ND	ND	ND	ND	< 200	ND	< 200	< 200	< 200	ND	ND	ND	ND	ND	ND
Dalapon	< 800	< 4,000	ND	ND	ND	ND	ND	ND	ND	< 4,000	ND	< 4,000	< 4,000	< 4,000	ND	ND	ND	ND	ND	ND
Dicamba	< 60	< 300	ND	ND	ND	ND	ND	ND	ND	< 300	ND	< 300	< 300	< 300	ND	ND	ND	ND	ND	ND
Dichlorprop	< 140	< 700	ND	ND	ND	ND	ND	ND	ND	< 700	ND	< 700	< 700	< 700	ND	ND	ND	ND	ND	ND
Dinoseb	< 20	< 100	ND	ND	ND	ND	ND	ND	ND	< 100	ND	< 100	< 100	< 100	ND	ND	ND	ND	ND	ND
MCPA	< 20,000	< 100,000	ND	ND	ND	ND	ND	ND	ND	< 100,000	ND	< 100,000	< 100,000	< 100,000	ND	ND	ND	ND	ND	ND
MCPP	< 20,000	< 100,000	ND	ND	ND	ND	ND	ND	ND	< 100,000	ND	< 100,000	< 100,000	< 100,000	ND	ND	ND	ND	ND	ND

ND = not detected above the reporting limit

TABLE VII

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FOR PCBs
 by EPA Method 8081
 Results in ug/kg

Analyte	Reporting Limit	Sample Number																		
		B-1	B2-2	B-3	B4-2.5	B-5	B-6	B-7	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	M-1	M-2
Aroclor 1016	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	33	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	42	ND	ND

ND = not detected above the reporting limit

Note: Residential Soil PRG for PCBs = 66 ug/kg

TABLE VIII

RESULTS OF LABORATORY ANALYSES OF ELUTRIATE SAMPLES
FOR ORGANIC TIN BY C.A. KRONE, et al., METHOD (1988)

Results in ug/l

Analyte	Sample Number		
	BM-1	BM-2	BM-3
Tributyltin	<0.05	<0.05	<0.05
Dibutyltin	<0.05	<0.05	<0.05
Butyltin	<0.05	<0.05	<0.05

Note: Laboratory reports show BM-1 as MW-1, BM-2 as MW-2, and BM-3 as MW-3

TABLE IX

LABORATORY RESULTS OF ANALYSES OF ELUTRIATE SAMPLES
FOR PCBs USING EPA METHOD 8081

Results in ug/l

Analyte	Sample Numbers		
	BM-1	BM-2	BM-3
Aroclor-1016	<1	<1	<1
Aroclor-1221	<1	<1	<1
Aroclor-1232	<1	<1	<1
Aroclor-1242	<1	<1	<1
Aroclor-1248	<1	<1	<1
Aroclor-1254	<1	<1	<1
Aroclor-1260	<1	<1	<1

TABLE X

RESULTS OF LABORATORY ANALYSES OF ELUTRIATE SAMPLES
FOR T-22 METALS USING EPA METHOD 6010, and pH and Salinity

Results in ug/l

Analyte	Sample Numbers			California Water Quality Objective
	BM-1	BM-2	BM-3	
Antimony	<60	<60	<60	
Arsenic	<10	11.4	<10	36
Barium	<100	<100	<100	
Beryllium	<5	<5	<5	
Cadmium	<5	<5	<5	
Chromium	<10	<10	<10	
Cobalt	<50	<50	<50	
Copper	<25	<25	<25	
Lead	<30	<30	<30	
Mercury	<0.20	<0.20	<0.20	
Molybdenum	<10	28.4	<10	
Nickel	40.8	<40	<40	8.3
Selenium	6.4	<5	<5	71
Silver	<10	<10	<10	
Thallium	<10	<10	<10	
Vanadium	<50	<50	<50	
Zinc	<20	<20	<20	
pH	7.2	7.4	7.2	
Salinity in ppt	24.4	25.1	24.7	

Note: California Water Quality Objective for Marine Surface Waters with Salinities Greater or Equal to 5 ppt- chronic exposure.

TABLE XI
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
FOR VOLATILE ORGANICS, BY EPA METHOD 8260
Results in ug/l

Analyte	Sample Number							Calif. MCL	Fed MCL	PRG Tap Water
	B-1	B-2	B-3	B-4	B-5	B-6	B-7			
2-Butanone (MEK)	60	<20	<20	<20	370	180	100	none	none	1,900

TABLE XII
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
FOR SEMI-VOLATILE ORGANICS, BY EPA METHOD 8270
Results in ug/l

Analyte	Sample Number						
	B-1	B-2	B-3	B-4	B-5	B-6	B-7
All Compounds	ND	ND	ND	ND	ND	ND	ND

Note: ND= not detected above the reporting limit of 10 to 500 ug/l

TABLE XIII
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES
FOR PCBs, BY EPA METHOD 8081
Results in ug/l

Analyte	Sample Number					Calif. MCL
	B-1	B-2	B-3	B-4	B-7	
Aroclor-1016	<1	<1	<1	<1	<1	0.5
Aroclor-1221	<1	<1	<1	<1	<1	0.5
Aroclor-1232	<1	<1	<1	<1	<1	0.5
Aroclor-1242	<1	<1	<1	<1	<1	0.5
Aroclor-1248	<1	<1	<1	<1	<1	0.5
Aroclor-1254	<1	<1	<1	<1	<1	0.5
Aroclor-1260	<1	<1	<1	<1	<1	0.5

TABLE XIV

RESULTS OF LABORATORY ANALYSES OF GROUNDWATER
FOR TPH GASOLINE, DIESEL, AND MOTOR OIL, BY EPA METHOD 8015
Results in ug/l

Analyte	Sample Number						
	B-1	B-2	B-3	B-4	B-5	B-6	B-7
TPH Gasoline	<50	<50	<50	<50	80	60	<50
TPH Diesel	150	160	270	130	290	330	550
TPH MOTOR OIL	340	230	1700	<100	190	310	240

TABLE XV

**RESULTS OF LABORATORY ANALYSES OF GROUNDWATER FOR T-22 METALS
BY EPA METHOD 6010A
Results in in ug/l**

Analyte	Sample Numbers							Calif. MCL	California Water Quality Objective
	B-1	B-2	B-3	B-4	B-5	B-6	B-7		
Antimony	<60	<60	<60	<60	<60	<60	<60	NL	500
Arsenic	<10	<10	<10	<10	19.6	30	12.2	50	36
Barium	<100	<100	<100	<100	<100	<100	<100	1,000	NL
Beryllium	<5	<5	<5	<5	<5	<5	<5	1,000*	5.3
Cadmium	<5	<5	<5	<5	<5	<5	<5	5	9.3
Chromium	<10	<10	<10	<10	<10	<10	<10	50	50
Cobalt	<50	<50	<50	<50	53.5	<50	<50	NL	NL
Copper	<25	<25	<25	<25	<25	<25	<25	1,000**	2.9
Lead	<3	<3	<3	<3	42.5	<30	<30	15*	5.6
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2	2.1
Molybdenum	<10	<10	<10	<10	10.6	<10	<10	NL	NL
Nickel	<40	<40	<40	<40	<40	<40	<40	100	8.3
Selenium	15.4	16.5	<25	<5	60.7	36	34.7	50	71
Silver	<10	<10	<10	<10	<10	<10	<10	100**	23
Thallium	<50	<10	<50	<10	<100	<20	<20	2	NL
Vanadium	<50	<50	<50	<50	<50	<50	<50	NL	NL
Zinc	21.1	<20	<20	<20	2440	<20	<20	5,000	86
Tot. Dis. Solids,mg/l	1300	10	836	20	15400	nt	nt	500**	NL
Salinity, ppt	1	0.0053	0.65	1.7	12.1	nt	nt	NL	NL

Note: nt=not tested

NL= none listed

* = Federal Action Level

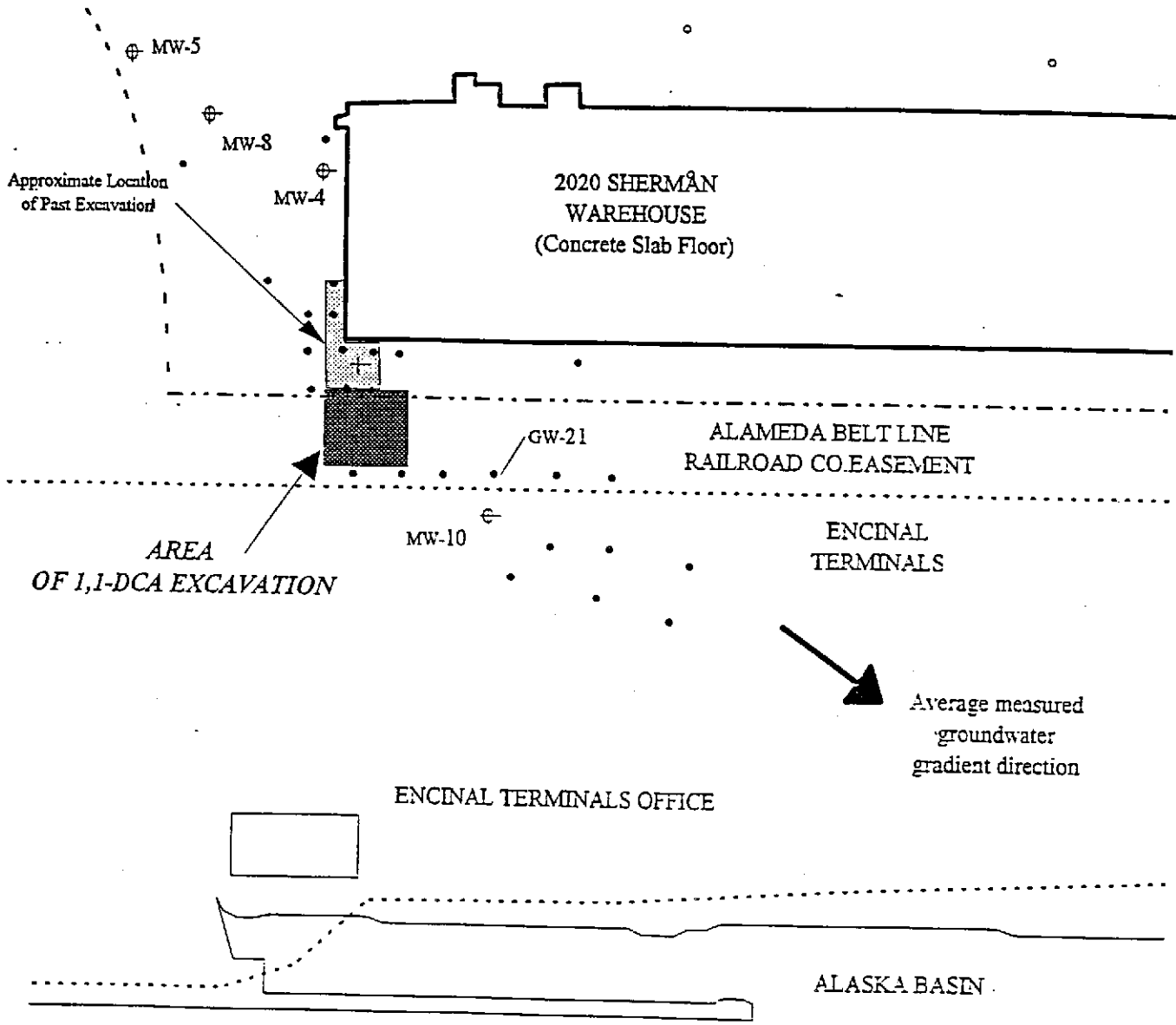
** = Recommended Secondary Drinking Water Standard

TABLE XVI

RESULTS OF LABORATORY ANALYSES OF GROUNDWATER
FOR HERBICIDES BY EPA METHOD 8150
Results in ug/l

Analyte	Sample Number					Calif MCL	Fed MCL	PRG Tap Water
	B-1	B-2	B-3	B-4	B-7			
2,4-D	<1	<1	<1	<1	<1.33	70	NL	370
2,4DB	<1	<1	<1	<1	<1.33	NL	NL	290
2,4,5-T	<0.200	<0.200	<0.200	<0.200	<0.266	NL	NL	370
2,4,5-TP(Silvex)	<0.200	<0.200	<0.200	<0.200	<0.266	NL	50	290
Dalapon	<4	<4	<4	<4	<5.32	200	NL	1,100
Dicamba	<0.300	<0.300	<0.300	<0.300	<0.399	NL	NL	1,100
Dichlorprop	1.27	<0.700	<0.700	<0.700	<0.931	NL	NL	NL
Dinoseb	<0.100	<0.100	<0.100	<0.100	<0.133	7	NL	37
MCPA	<100	<100	<100	<100	<133	NL	NL	NL
MCPP	<100	<100	<100	<100	<133	NL	NL	NL

Note: NL = None listed

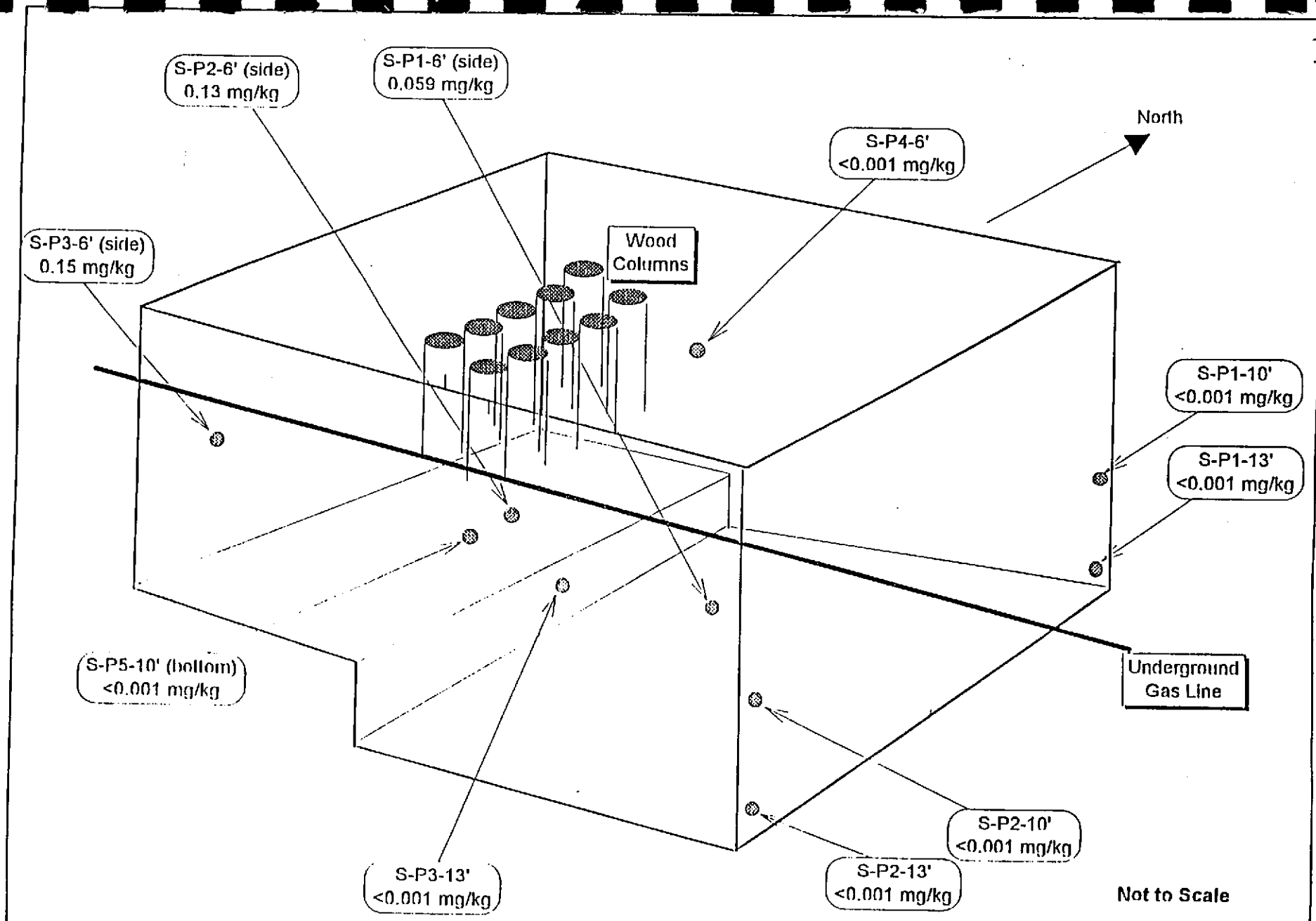


Legend

- ⊕ Approximate Monitoring Well Location
- Approximate Soil Sampling Location
- Approximate Groundwater Grab Sample Location
- - - - Property Boundary - Encinal Real Estate
- ⋯ Property Boundary - Encinal Terminals

NOT TO SCALE

Project No. 961152NA	ENCINAL REAL ESTATE	SCHEMATIC SITE PLAN VIEW WITH EXCAVATION BOUNDARY	Figure 1
Woodward-Clyde Consultants			



Project No. 961152NA	ENCINAL REAL ESTATE	ILLUSTRATION OF CONFIRMATION SAMPLES LOCATIONS AND RESULTS	Figure 2
Woodward-Clyde Consultants			

FIGURE 1.XI.S

Analytical Laboratory Report

Lead by XRF

DRAFT

Date Sampled: 13-Sep-96
 Date Received: 13-Sep-96
 Date Analyzed: 13,16-Sep-96
 Date Reported: 16-Sep-96
 Report Number: 2C123b.rpt
 Lab ID Number: 2C123

Project Manager: Jane Vernalia
 Client: Woodward-Clyde

Project: Encinal Terminal, 961163NA
 Units: mg/Kg
 Matrix: Soil

Lab ID	Field ID	RL	Dilution Factor	1,1-Dichloroethane	Surr. % Rec.
-16	S-1-3	0.001	1	0.004	105
-17	COMP-4	0.001	5	0.057	95
-18	S-2-6	0.001	100	0.073	96
-30	S-3-9	0.001	1	ND	79
-31	S-P1-10	0.001	1	ND	87
-32	S-P2-10	0.001	1	ND	87
-33	S-P3-10	0.001	1	ND	83
-34	S-P1-13	0.001	1	ND	87
-35	S-P2-13	0.001	1	ND	73
-36	S-P3-13	0.001	1	ND	71
-42	S-P3-6	0.001	100	0.15	91
-43	S-P4-6	0.001	1	ND	90
-44	S-P2-6	0.001	5	0.13	96
-45	S-P1-6	0.001	5	0.059	100
-46	S-P5-10	0.001	1	ND	99
-49	COMP-5	0.001	1	ND	76
-50	COMP-6	0.001	5	0.055	91
-51	S-P6-10	0.001	100	0.15	92

NOTES:

- NR - Not requested
- COC - Chain of custody
- ND - Analytes not detected at or above the stated detection limit.
- mg/Kg - milligram per Kilogram (PPM)
- DL - Detection limit
- DF - Dilution Factor
- PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample.

PROCEDURES:

This analysis was performed using EPA Method 8010, EPA Method 8020, and EPA Method 5030.

 Laboratory Director

 Date

APPENDIX C

Laboratory Reports



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95131
 Tel: 408-432-8192
 Fax: 408-432-8198

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9702223
 Date Received : 02/27/97
 Project ID : 961163NB
 Purchase Order: N/A

The following samples were received at Inchcape for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9702223- 1	LEAD96-1

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

 Project Manager

3/6/97

 Date

This report consists of 11 pages.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9702223
Date Received : 02/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9702223- 1	LEAD96-1	SOIL	01/27/97	1311-INORG
9702223- 1	LEAD96-1	SOIL	01/27/97	TCLPMETALS

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9702223
Date Received : 02/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

Mona Kamel for 03/06/97
Department Supervisor Date

Wendy Li 3/6/97
Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9702223-01
Client Sample ID: LEAD96-1
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/27/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-TCLP	3010A	15902	6010A	ICP3	03/05/97	03/06/97	10	mg/L	0.030	54.8	

COMMENTS: TCLP Extraction fluid #1

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BM057TA**
Client Sample ID: **NA**
ITS-SJ WO #: **9702223**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15902**
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-TCLP	3010A	6010A	ICP3	03/05/97	03/06/97	5	mg/L	0.0150	ND	

COMMENTS: TCLP Extraction fluid #1

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9702223-01DU
Client Sample ID: LEAD96-1
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: *[Signature]*
Supervisor: *MW*

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Lead-TCLP	3010A	15902	6010A	ICP3	03/05/97	03/06/97	10	mg/L	54.8	56.2	2.5	

COMMENTS: TCLP Extraction fluid #1

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9702223-01MS
 Client Sample ID: LEAD96-1
 Client Proj. Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: *[Signature]*
 Supervisor: *Mh*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.					Q
Lead-TCLP	15902	6010A	ICP3	03/05/97	03/06/97	mg/L	5.0	54.8	60.20	108					

COMMENTS: TCLP Extraction fluid #1

INCHCAPE TESTING SERVICES

SAN JOSE LABORATORIES

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

ITS-SJ Sample ID: LM057TA
Client Sample ID: NA
ITS-SJ WO #: 9702223
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Prep. Batch: 15902
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead-TCLP	3010A	6010A	ICP3	03/05/97	03/06/97	5	mg/L	5.0	5.0	100	

COMMENTS: TCLP Extraction fluid #1

Woodward-Clyde

Engineering & sciences applied to the earth & its environment

FAX TRANSMITTAL

FAX ONLY

DATE: 2/27, 1997

ORIGINAL IN MAIL

TIME: 11:30 am pm

TO: Rich Phaler

FIRM: Anametric - Inchscape

FAX NUMBER (408) 432-8198

FROM: al Ridley

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET: 3

MESSAGE: Please LUN a TCLP for
Lead (Pb) on sample LEAD 96-1
Project 961163 NB

This sample had 5-day turnaround
3070 mg/kg Pb! yes!
AR

RE-LOG IT AS
A NEW WORK ORDER
ON 5-DAY.

Should you have any questions/problems with this transmittal.

Please Contact: al or id

Phone Numbers: (510) 874-3125 (510) _____

OUR FAX NUMBER IS (510) 874-3268

Woodward-Clyde Consultants • A subsidiary of Woodward-Clyde Group, Inc.
500 12th Street, Suite 200 • Oakland, California 94607-4014
(510) 893-3600 • Fax (510) 874-3268

33

9702223

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. 961163NB			ANALYSES				Number of Containers	REMARKS (Sample preservation, handling procedures, etc.)
SAMPLERS: (Signature) J. Lebeque			Sample Matrix (Soil, Water, Air)	EPA Method 8011 Pb	EPA Method 8011 Cd	EPA Method 860 VCS		
DATE	TIME	SAMPLE NUMBER						
1/27/97		DCA 96-1	S	X				Please composite 4 → 1. Thanks
		DCA 96-2	S	X				
		DCA 96-3	S	X				
		DCA 96-4	S	X				
		LEAD 96-1	S	X			X	
		LEAD 96-2	S	X				
		ADD1	S	X				
		OLD DCA-1	S	X				
		OLD DCA-2	S	X				
		OLD DCA-3	S	X				
		OLD DCA-4	S	X				
		OLD DCA-5	S	X				
		OLD DCA-6	S	X				
		ADD2	S	X				
		ADD3	S	X				
		G-8	W		XX			Question/Result
							TOTAL NUMBER OF CONTAINERS	60
RELINQUISHED BY: (Signature) J. Lebeque		DATE/TIME 1/27/97 17:00	RECEIVED BY: (Signature)		RELINQUISHED BY: (Signature)		DATE/TIME	RECEIVED BY: (Signature)
METHOD OF SHIPMENT:			SHIPPED BY: (Signature) FedEx 1455914013		COURIER: (Signature)		RECEIVED FOR LAB BY: (Signature) Hmg	DATE/TIME 01/29/97 1000



SAMPLE RECEIVING CHECKLIST		
Workorder Number: 9702223	Client Project ID: 961163NR	Quote Number:
Cooler		
Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO <u>(N/A)</u>
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>(N/A)</u>
Temperature of sample(s) within range? List temperatures of cooler(s): Fridge 33 Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<u>(YES)</u>	NO N/A IR _____ Temp Blank _____
Samples		
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>(N/A)</u>
Samples arrived within holding time?	<u>(YES)</u>	NO N/A
Samples in proper containers for methods requested? Condition of containers: Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>(YES)</u>	NO
VOA containers received with zero headspace or bubbles < 6 mm?	YES	NO <u>(N/A)</u>
Container labels complete? (ID, date, time, preservative)	<u>(YES)</u>	NO N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	YES	NO <u>(N/A)</u>
pH check of samples required at time of receipt?(volatiles checked at analysis) If YES, pH checked and recorded by:	YES	<u>(NO)</u>
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>(YES)</u>	NO
Field blanks received with sample batch?	YES	NO <u>(N/A)</u>
Trip blanks received with sample batch?	YES	NO <u>(N/A)</u>
Chain of Custody		
Chain of custody form received with samples?	<u>(YES)</u>	NO
Has it been filled out completely and in ink?	<u>(YES)</u>	NO
Sample IDs on chain of custody form agree with labels?	<u>(YES)</u>	NO
Number of containers on chain agree with number received?	<u>(YES)</u>	NO
Analysis methods specified?	<u>(YES)</u>	NO
Sampling date and time indicated?	<u>(YES)</u>	NO
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>(YES)</u>	NO
Turnaround time? Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: JP Date: 2-27-97 Project Manager: Michael M. M... Date: 2/28/97



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95131
 Tel: 408-452-8192
 Fax: 408-452-8198

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701179
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A

The following samples were received at Inchcape for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9701179- 1	SS-6
9701179- 2	SS-7
9701179- 3	SS-8
9701179- 4	G-1
9701179- 5	G-5
9701179- 6	G-14
9701179- 7	G-13
9701179- 8	G-16
9701179- 9	G-11
9701179-10	G-6
9701179-11	G-5
9701179-12	G-8
9701179-13	G-10
9701179-14	G-14
9701179-15	G-9
9701179-16	TBLANK
9701179-17	SG-2

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Project Manager

2/18/97
 Date

This report consists of 148 pages.



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701179

QUALITY CONTROL PROBLEMS:

Semivolatiles

- All holding times have been met for the analyses reported in this section.
- Due to the complex nature of the sample matrices, sample SG-2 was analyzed at a 5-fold dilution, and samples SS-6, SS-7, SS-8, G-1, G-5, G-6, G-9, G-11, and G-14, at 10-fold dilutions.
- Samples G-1, G-5 and G-14 had low recoveries of surrogate terphenyl d-14 and were reanalyzed at 10-fold dilutions with similar results for terphenyl-d14 and a high recovery of surrogate phenol-d5 for sample G-5, indicating a possible matrix effect. Both analyses are reported.
- Samples G-9 and G-11 had low recoveries of surrogates terphenyl d-14 and 2-fluorobiphenyl and were reanalyzed at 10-fold dilutions with similar results for terphenyl-d14 and 2-fluorobiphenyl and a high recovery of surrogate phenol-d5 for sample G-9, indicating a possible matrix effect. Both analyses are reported.
- Samples SS-7 had a low recovery of internal standard perylene-d12 and was reanalyzed at a 10-fold dilution with similar results for perylene-d12, indicating a possible matrix effect. Both analyses are reported.



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-14-97
Date

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 1	SS-6	SOIL	01/22/97	8270
9701179- 2	SS-7	SOIL	01/22/97	8270
9701179- 3	SS-8	SOIL	01/22/97	8270
9701179- 4	G-1	WATER	01/22/97	8270
9701179- 5	G-5	WATER	01/22/97	8270
9701179- 6	G-14	WATER	01/22/97	8270
9701179- 7	G-13	WATER	01/22/97	8270
9701179- 8	G-16	WATER	01/23/97	8270
9701179- 9	G-11	WATER	01/23/97	8270
9701179-10	G-6	WATER	01/23/97	8270
9701179-13	G-10	WATER	01/23/97	8270
9701179-15	G-9	WATER	01/23/97	8270
9701179-17	SG-2	SOIL	01/23/97	8270
9701179- 1	SS-6	SOIL	01/22/97	S8260
9701179- 2	SS-7	SOIL	01/22/97	S8260
9701179- 3	SS-8	SOIL	01/22/97	S8260
9701179- 4	G-1	WATER	01/22/97	S8260
9701179- 7	G-13	WATER	01/22/97	S8260
9701179- 8	G-16	WATER	01/23/97	S8260
9701179- 9	G-11	WATER	01/23/97	S8260
9701179-10	G-6	WATER	01/23/97	S8260
9701179-11	G-5	WATER	01/23/97	S8260

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179-13	G-10	WATER	01/23/97	S8260
9701179-14	G-14	WATER	01/23/97	S8260
9701179-15	G-9	WATER	01/23/97	S8260
9701179-16	TBLANK	WATER	01/23/97	S8260
9701179-17	SG-2	SOIL	01/23/97	S8260

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-6
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anametrix ID : 9701179-01
 Lab File ID : MPJ17901
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-6
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-01
 Lab File ID : MPJ17901
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-7
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-02
 Lab File ID : MPJ17902

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-7
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anametrix ID : 9701179-02
 Lab File ID : MPJ17902
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-7RE
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-02
 Lab File ID : MRJ17902
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	UU
95-57-8	2-Chlorophenol	3300	ND	UU
541-73-1	1,3-Dichlorobenzene	3300	ND	UU
106-46-7	1,4-Dichlorobenzene	3300	ND	UU
95-50-1	1,2-Dichlorobenzene	3300	ND	UU
95-48-7	2-Methylphenol	3300	ND	UU
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	UU
106-44-5	4-Methylphenol	3300	ND	UU
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	UU
67-72-1	Hexachloroethane	3300	ND	UU
98-95-3	Nitrobenzene	3300	ND	UU
78-59-1	Isophorone	3300	ND	UU
88-75-5	2-Nitrophenol	3300	ND	UU
105-67-9	2,4-Dimethylphenol	3300	ND	UU
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	UU
120-83-2	2,4-Dichlorophenol	3300	ND	UU
120-82-1	1,2,4-Trichlorobenzene	3300	ND	UU
91-20-3	Naphthalene	3300	ND	UU
106-47-8	4-Chloroaniline	3300	ND	UU
87-68-3	Hexachlorobutadiene	3300	ND	UU
59-50-7	4-Chloro-3-Methylphenol	3300	ND	UU
91-57-6	2-Methylnaphthalene	3300	ND	UU
77-47-4	Hexachlorocyclopentadiene	3300	ND	UU
88-06-2	2,4,6-Trichlorophenol	3300	ND	UU
95-95-4	2,4,5-Trichlorophenol	17000	ND	UU
91-58-7	2-Chloronaphthalene	3300	ND	UU
88-74-4	2-Nitroaniline	17000	ND	UU
131-11-3	Dimethylphthalate	3300	ND	UU
208-96-8	Acenaphthylene	3300	ND	UU
606-20-2	2,6-Dinitrotoluene	3300	ND	UU
99-09-2	3-Nitroaniline	17000	ND	UU
83-32-9	Acenaphthene	3300	ND	UU
51-28-5	2,4-Dinitrophenol	17000	ND	UU
100-02-7	4-Nitrophenol	17000	ND	UU
132-64-9	Dibenzofuran	3300	ND	UU
121-14-2	2,4-Dinitrotoluene	3300	ND	UU
84-66-2	Diethylphthalate	3300	ND	UU
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	UU
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-7RE
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-02
 Lab File ID : MRJ17902
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 25.1 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-03
 Lab File ID : MPJ17903
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3900	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3900	ND	U
95-57-8	2-Chlorophenol	3900	ND	U
541-73-1	1,3-Dichlorobenzene	3900	ND	U
106-46-7	1,4-Dichlorobenzene	3900	ND	U
95-50-1	1,2-Dichlorobenzene	3900	ND	U
95-48-7	2-Methylphenol	3900	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	ND	U
106-44-5	4-Methylphenol	3900	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3900	ND	U
67-72-1	Hexachloroethane	3900	ND	U
98-95-3	Nitrobenzene	3900	ND	U
78-59-1	Isophorone	3900	ND	U
88-75-5	2-Nitrophenol	3900	ND	U
105-67-9	2,4-Dimethylphenol	3900	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3900	ND	U
120-83-2	2,4-Dichlorophenol	3900	ND	U
120-82-1	1,2,4-Trichlorobenzene	3900	ND	U
91-20-3	Naphthalene	3900	ND	U
106-47-8	4-Chloroaniline	3900	ND	U
87-68-3	Hexachlorobutadiene	3900	ND	U
59-50-7	4-Chloro-3-Methylphenol	3900	ND	U
91-57-6	2-Methylnaphthalene	3900	ND	U
77-47-4	Hexachlorocyclopentadiene	3900	ND	U
88-06-2	2,4,6-Trichlorophenol	3900	ND	U
95-95-4	2,4,5-Trichlorophenol	20000	ND	U
91-58-7	2-Chloronaphthalene	3900	ND	U
88-74-4	2-Nitroaniline	20000	ND	U
131-11-3	Dimethylphthalate	3900	ND	U
208-96-8	Acenaphthylene	3900	ND	U
606-20-2	2,6-Dinitrotoluene	3900	ND	U
99-09-2	3-Nitroaniline	20000	ND	U
83-32-9	Acenaphthene	3900	ND	U
51-28-5	2,4-Dinitrophenol	20000	ND	U
100-02-7	4-Nitrophenol	20000	ND	U
132-64-9	Dibenzofuran	3900	ND	U
121-14-2	2,4-Dinitrotoluene	3900	ND	U
84-66-2	Diethylphthalate	3900	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3900	ND	U
86-73-7	Fluorene	3900	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-1
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-04
 Lab File ID : MPJ17904
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-1
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-04
 Lab File ID : MPJ17904
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 25.1 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-03
 Lab File ID : MPJ17903
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	20000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3900	ND	U
101-55-3	4-Bromophenyl-phenylether	3900	ND	U
118-74-1	Hexachlorobenzene	3900	ND	U
87-86-5	Pentachlorophenol	3900	ND	U
85-01-8	Phenanthrene	3900	ND	U
120-12-7	Anthracene	3900	ND	U
84-74-2	Di-n-butylphthalate	3900	ND	U
206-44-0	Fluoranthene	3900	ND	U
129-00-0	Pyrene	3900	ND	U
85-68-7	Butylbenzylphthalate	3900	ND	U
91-94-1	3,3'-Dichlorobenzidine	7900	ND	U
56-55-3	Benzo(a)anthracene	3900	ND	U
218-01-9	Chrysene	3900	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	7900	ND	U
117-84-0	Di-n-octylphthalate	3900	ND	U
205-99-2	Benzo(b)fluoranthene	3900	ND	U
207-08-9	Benzo(k)fluoranthene	3900	ND	U
50-32-8	Benzo(a)pyrene	3900	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3900	ND	U
53-70-3	Dibenz(a,h)anthracene	3900	ND	U
191-24-2	Benzo(g,h,i)perylene	3900	ND	U
100-51-6	Benzyl Alcohol	3900	ND	U
65-85-0	Benzoic Acid	20000	ND	U
62-75-9	N-Nitrosodimethylamine	3900	ND	U
103-33-3	Azobenzene	3900	ND	U
92-87-5	Benzidine	3900	ND	U
4165-61-1	Aniline	3900	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-1RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-04
 Lab File ID : MRJ17904
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl)Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408) 432-8192

Project ID : 961163NB
 Sample ID : G-1RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-04
 Lab File ID : MRJ17904
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-5
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-05
 Lab File ID : MPJ17905

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-5
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-05
 Lab File ID : MPJ17905
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo (a) anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo (b) fluoranthene	100	ND	U
207-08-9	Benzo (k) fluoranthene	100	ND	U
50-32-8	Benzo (a) pyrene	100	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	100	ND	U
53-70-3	Dibenz (a,h) anthracene	100	ND	U
191-24-2	Benzo (g,h,i) perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-5RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-05
 Lab File ID : MRJ17905
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-5RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-05
 Lab File ID : MRJ17905
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-14
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-06
 Lab File ID : MPJ17906
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-14
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-06
 Lab File ID : MPJ17906
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-14RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-06
 Lab File ID : MRJ17906
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-14RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-06
 Lab File ID : MRJ17906
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-13
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-07
 Lab File ID : MPJ17907
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-13
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-07
 Lab File ID : MPJ17907
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-16
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-08
 Lab File ID : MPJ17908
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	UU
95-57-8	2-Chlorophenol	10	ND	UU
541-73-1	1,3-Dichlorobenzene	10	ND	UU
106-46-7	1,4-Dichlorobenzene	10	ND	UU
95-50-1	1,2-Dichlorobenzene	10	ND	UU
95-48-7	2-Methylphenol	10	ND	UU
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	UU
106-44-5	4-Methylphenol	10	ND	UU
621-64-7	N-Nitroso-di-n-propylamine	10	ND	UU
67-72-1	Hexachloroethane	10	ND	UU
98-95-3	Nitrobenzene	10	ND	UU
78-59-1	Isophorone	10	ND	UU
88-75-5	2-Nitrophenol	10	ND	UU
105-67-9	2,4-Dimethylphenol	10	ND	UU
111-91-1	bis(2-Chloroethoxy)methane	10	ND	UU
120-83-2	2,4-Dichlorophenol	10	ND	UU
120-82-1	1,2,4-Trichlorobenzene	10	ND	UU
91-20-3	Naphthalene	10	ND	UU
106-47-8	4-Chloroaniline	10	ND	UU
87-68-3	Hexachlorobutadiene	10	ND	UU
59-50-7	4-Chloro-3-Methylphenol	10	ND	UU
91-57-6	2-Methylnaphthalene	10	ND	UU
77-47-4	Hexachlorocyclopentadiene	10	ND	UU
88-06-2	2,4,6-Trichlorophenol	10	ND	UU
95-95-4	2,4,5-Trichlorophenol	50	ND	UU
91-58-7	2-Chloronaphthalene	10	ND	UU
88-74-4	2-Nitroaniline	50	ND	UU
131-11-3	Dimethylphthalate	10	ND	UU
208-96-8	Acenaphthylene	10	ND	UU
606-20-2	2,6-Dinitrotoluene	10	ND	UU
99-09-2	3-Nitroaniline	50	ND	UU
83-32-9	Acenaphthene	10	ND	UU
51-28-5	2,4-Dinitrophenol	50	ND	UU
100-02-7	4-Nitrophenol	50	ND	UU
132-64-9	Dibenzofuran	10	ND	UU
121-14-2	2,4-Dinitrotoluene	10	ND	UU
84-66-2	Diethylphthalate	10	ND	UU
7005-72-3	4-Chlorophenyl-phenylether	10	ND	UU
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-16
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-08
 Lab File ID : MPJ17908
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-11
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 900 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-09
 Lab File ID : MPJ17909
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	110	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	110	ND	UU
95-57-8	2-Chlorophenol	110	ND	UUU
541-73-1	1,3-Dichlorobenzene	110	ND	UUUU
106-46-7	1,4-Dichlorobenzene	110	ND	UUUU
95-50-1	1,2-Dichlorobenzene	110	ND	UUUU
95-48-7	2-Methylphenol	110	ND	UUUU
108-60-1	2,2'-oxybis(1-Chloropropane)	110	ND	UUUU
106-44-5	4-Methylphenol	110	ND	UUUU
621-64-7	N-Nitroso-di-n-propylamine	110	ND	UUUU
67-72-1	Hexachloroethane	110	ND	UUUU
98-95-3	Nitrobenzene	110	ND	UUUU
78-59-1	Isophorone	110	ND	UUUU
88-75-5	2-Nitrophenol	110	ND	UUUU
105-67-9	2,4-Dimethylphenol	110	ND	UUUU
111-91-1	bis(2-Chloroethoxy)methane	110	ND	UUUU
120-83-2	2,4-Dichlorophenol	110	ND	UUUU
120-82-1	1,2,4-Trichlorobenzene	110	ND	UUUU
91-20-3	Naphthalene	110	ND	UUUU
106-47-8	4-Chloroaniline	110	ND	UUUU
87-68-3	Hexachlorobutadiene	110	ND	UUUU
59-50-7	4-Chloro-3-Methylphenol	110	ND	UUUU
91-57-6	2-Methylnaphthalene	110	ND	UUUU
77-47-4	Hexachlorocyclopentadiene	110	ND	UUUU
88-06-2	2,4,6-Trichlorophenol	110	ND	UUUU
95-95-4	2,4,5-Trichlorophenol	560	ND	UUUU
91-58-7	2-Chloronaphthalene	110	ND	UUUU
88-74-4	2-Nitroaniline	560	ND	UUUU
131-11-3	Dimethylphthalate	110	ND	UUUU
208-96-8	Acenaphthylene	110	ND	UUUU
606-20-2	2,6-Dinitrotoluene	110	ND	UUUU
99-09-2	3-Nitroaniline	560	ND	UUUU
83-32-9	Acenaphthene	110	ND	UUUU
51-28-5	2,4-Dinitrophenol	560	ND	UUUU
100-02-7	4-Nitrophenol	560	ND	UUUU
132-64-9	Dibenzofuran	110	ND	UUUU
121-14-2	2,4-Dinitrotoluene	110	ND	UUUU
84-66-2	Diethylphthalate	110	ND	UUUU
7005-72-3	4-Chlorophenyl-phenylether	110	ND	UUUU
86-73-7	Fluorene	110	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-11
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 900 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-09
 Lab File ID : MPJ17909
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	560	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	560	ND	U
86-30-6	N-nitrosodiphenylamine (1)	110	ND	U
101-55-3	4-Bromophenyl-phenylether	110	ND	U
118-74-1	Hexachlorobenzene	110	ND	U
87-86-5	Pentachlorophenol	110	ND	U
85-01-8	Phenanthrene	110	ND	U
120-12-7	Anthracene	110	ND	U
84-74-2	Di-n-butylphthalate	110	ND	U
206-44-0	Fluoranthene	110	ND	U
129-00-0	Pyrene	110	ND	U
85-68-7	Butylbenzylphthalate	110	ND	U
91-94-1	3,3'-Dichlorobenzidine	220	ND	U
56-55-3	Benzo (a) anthracene	110	ND	U
218-01-9	Chrysene	110	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	ND	U
117-84-0	Di-n-octylphthalate	110	ND	U
205-99-2	Benzo (b) fluoranthene	110	ND	U
207-08-9	Benzo (k) fluoranthene	110	ND	U
50-32-8	Benzo (a) pyrene	110	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	110	ND	U
53-70-3	Dibenz (a,h) anthracene	110	ND	U
191-24-2	Benzo (g,h,i) perylene	110	ND	U
100-51-6	Benzyl Alcohol	110	ND	U
65-85-0	Benzoic Acid	560	ND	U
62-75-9	N-Nitrosodimethylamine	110	ND	U
103-33-3	Azobenzene	110	ND	U
92-87-5	Benzidine	110	ND	U
4165-61-1	Aniline	110	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-11RE
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 900 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-09
 Lab File ID : MRJ17909
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	110	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	110	ND	U
95-57-8	2-Chlorophenol	110	ND	U
541-73-1	1,3-Dichlorobenzene	110	ND	U
106-46-7	1,4-Dichlorobenzene	110	ND	U
95-50-1	1,2-Dichlorobenzene	110	ND	U
95-48-7	2-Methylphenol	110	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	110	ND	U
106-44-5	4-Methylphenol	110	ND	U
621-64-7	N-Nitroso-di-n-propylamine	110	ND	U
67-72-1	Hexachloroethane	110	ND	U
98-95-3	Nitrobenzene	110	ND	U
78-59-1	Isophorone	110	ND	U
88-75-5	2-Nitrophenol	110	ND	U
105-67-9	2,4-Dimethylphenol	110	ND	U
111-91-1	bis(2-Chloroethoxy)methane	110	ND	U
120-83-2	2,4-Dichlorophenol	110	ND	U
120-82-1	1,2,4-Trichlorobenzene	110	ND	U
91-20-3	Naphthalene	110	ND	U
106-47-8	4-Chloroaniline	110	ND	U
87-68-3	Hexachlorobutadiene	110	ND	U
59-50-7	4-Chloro-3-Methylphenol	110	ND	U
91-57-6	2-Methylnaphthalene	110	ND	U
77-47-4	Hexachlorocyclopentadiene	110	ND	U
88-06-2	2,4,6-Trichlorophenol	110	ND	U
95-95-4	2,4,5-Trichlorophenol	560	ND	U
91-58-7	2-Chloronaphthalene	110	ND	U
88-74-4	2-Nitroaniline	560	ND	U
131-11-3	Dimethylphthalate	110	ND	U
208-96-8	Acenaphthylene	110	ND	U
606-20-2	2,6-Dinitrotoluene	110	ND	U
99-09-2	3-Nitroaniline	560	ND	U
83-32-9	Acenaphthene	110	ND	U
51-28-5	2,4-Dinitrophenol	560	ND	U
100-02-7	4-Nitrophenol	560	ND	U
132-64-9	Dibenzofuran	110	ND	U
121-14-2	2,4-Dinitrotoluene	110	ND	U
84-66-2	Diethylphthalate	110	ND	U
7005-72-3	4-Chlorophenyl-phenylether	110	ND	U
86-73-7	Fluorene	110	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-11RE
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 900 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-09
 Lab File ID : MRJ17909

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	560	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	560	ND	U
86-30-6	N-nitrosodiphenylamine (1)	110	ND	U
101-55-3	4-Bromophenyl-phenylether	110	ND	U
118-74-1	Hexachlorobenzene	110	ND	U
87-86-5	Pentachlorophenol	110	ND	U
85-01-8	Phenanthrene	110	ND	U
120-12-7	Anthracene	110	ND	U
84-74-2	Di-n-butylphthalate	110	ND	U
206-44-0	Fluoranthene	110	ND	U
129-00-0	Pyrene	110	ND	U
85-68-7	Butylbenzylphthalate	110	ND	U
91-94-1	3,3'-Dichlorobenzidine	220	ND	U
56-55-3	Benzo(a)anthracene	110	ND	U
218-01-9	Chrysene	110	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	ND	U
117-84-0	Di-n-octylphthalate	110	ND	U
205-99-2	Benzo(b)fluoranthene	110	ND	U
207-08-9	Benzo(k)fluoranthene	110	ND	U
50-32-8	Benzo(a)pyrene	110	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	ND	U
53-70-3	Dibenz(a,h)anthracene	110	ND	U
191-24-2	Benzo(g,h,i)perylene	110	ND	U
100-51-6	Benzyl Alcohol	110	ND	U
65-85-0	Benzoic Acid	560	ND	U
62-75-9	N-Nitrosodimethylamine	110	ND	U
103-33-3	Azobenzene	110	ND	U
92-87-5	Benzidine	110	ND	U
4165-61-1	Aniline	110	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB	Anamatrix ID : 9701179-10
Sample ID : G-6	Lab File ID : MPJ17910
Matrix : WATER	
Date Sampled : 01/23/97	
Date Extracted : 01/26/97	
Amount Extracted : 1000 mL	% Moisture : _____
Date Analyzed : 01/31/97	Dilution Factor : 10.0
Instrument ID : msd5.i	Conc. Units : ug/L
Volume of Final Extract: 1 ml	

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	100	
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-6
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-10
 Lab File ID : MPJ17910
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo (a) anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo (b) fluoranthene	100	ND	U
207-08-9	Benzo (k) fluoranthene	100	ND	U
50-32-8	Benzo (a) pyrene	100	ND	U
193-39-5	Indeno (1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz (a,h) anthracene	100	ND	U
191-24-2	Benzo (g,h,i) perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzdine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-10
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-13
 Lab File ID : MPJ17913
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-10
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-13
 Lab File ID : MPJ17913
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-9
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-15
 Lab File ID : MPJ17915
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-9
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-15
 Lab File ID : MPJ17915
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-9RE
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-15
 Lab File ID : MRJ17915

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-9RE
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-15
 Lab File ID : MRJ17915
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-17
 Lab File ID : MPJ17917
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701179-17
 Lab File ID : MPJ17917
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H1B1
 Lab File ID : BJ28H1B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	330	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	330	ND	U
95-57-8	2-Chlorophenol	330	ND	U
541-73-1	1,3-Dichlorobenzene	330	ND	U
106-46-7	1,4-Dichlorobenzene	330	ND	U
95-50-1	1,2-Dichlorobenzene	330	ND	U
95-48-7	2-Methylphenol	330	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	ND	U
106-44-5	4-Methylphenol	330	ND	U
621-64-7	N-Nitroso-di-n-propylamine	330	ND	U
67-72-1	Hexachloroethane	330	ND	U
98-95-3	Nitrobenzene	330	ND	U
78-59-1	Isophorone	330	ND	U
88-75-5	2-Nitrophenol	330	ND	U
105-67-9	2,4-Dimethylphenol	330	ND	U
111-91-1	bis(2-Chloroethoxy)methane	330	ND	U
120-83-2	2,4-Dichlorophenol	330	ND	U
120-82-1	1,2,4-Trichlorobenzene	330	ND	U
91-20-3	Naphthalene	330	ND	U
106-47-8	4-Chloroaniline	330	ND	U
87-68-3	Hexachlorobutadiene	330	ND	U
59-50-7	4-Chloro-3-Methylphenol	330	ND	U
91-57-6	2-Methylnaphthalene	330	ND	U
77-47-4	Hexachlorocyclopentadiene	330	ND	U
88-06-2	2,4,6-Trichlorophenol	330	ND	U
95-95-4	2,4,5-Trichlorophenol	1700	ND	U
91-58-7	2-Chloronaphthalene	330	ND	U
88-74-4	2-Nitroaniline	1700	ND	U
131-11-3	Dimethylphthalate	330	ND	U
208-96-8	Acenaphthylene	330	ND	U
606-20-2	2,6-Dinitrotoluene	330	ND	U
99-09-2	3-Nitroaniline	1700	ND	U
83-32-9	Acenaphthene	330	ND	U
51-28-5	2,4-Dinitrophenol	1700	ND	U
100-02-7	4-Nitrophenol	1700	ND	U
132-64-9	Dibenzofuran	330	ND	U
121-14-2	2,4-Dinitrotoluene	330	ND	U
84-66-2	Diethylphthalate	330	ND	U
7005-72-3	4-Chlorophenyl-phenylether	330	ND	U
86-73-7	Fluorene	330	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H1B1
 Lab File ID : BJ28H1B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	1700	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	ND	U
86-30-6	N-nitrosodiphenylamine (1)	330	ND	U
101-55-3	4-Bromophenyl-phenylether	330	ND	U
118-74-1	Hexachlorobenzene	330	ND	U
87-86-5	Pentachlorophenol	330	ND	U
85-01-8	Phenanthrene	330	ND	U
120-12-7	Anthracene	330	ND	U
84-74-2	Di-n-butylphthalate	330	ND	U
206-44-0	Fluoranthene	330	ND	U
129-00-0	Pyrene	330	ND	U
85-68-7	Butylbenzylphthalate	330	ND	U
91-94-1	3,3'-Dichlorobenzidine	660	ND	U
56-55-3	Benzo(a)anthracene	330	ND	U
218-01-9	Chrysene	330	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	ND	U
117-84-0	Di-n-octylphthalate	330	ND	U
205-99-2	Benzo(b)fluoranthene	330	ND	U
207-08-9	Benzo(k)fluoranthene	330	ND	U
50-32-8	Benzo(a)pyrene	330	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	ND	U
53-70-3	Dibenz(a,h)anthracene	330	ND	U
191-24-2	Benzo(g,h,i)perylene	330	ND	U
100-51-6	Benzyl Alcohol	330	ND	U
65-85-0	Benzoic Acid	1700	ND	U
62-75-9	N-Nitrosodimethylamine	330	ND	U
103-33-3	Azobenzene	330	ND	U
92-87-5	Benzidine	330	ND	U
4165-61-1	Aniline	330	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKA1
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/29/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ2611B1
 Lab File ID : BJ2611B1
 % Moisture :
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl)Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKA1
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/29/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ2611B1
 Lab File ID : BJ2611B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701179

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKA1	82	77	82	75	88	82	70	90	0
02	SLCSA1	77	77	79	74	85	80	65	91	0
03	SLCSDA1	78	76	78	75	85	82	68	93	0
04	G-13	71	69	76	75	41	69	50	94	0
05	G-16	71	66	73	70	52	71	53	92	0
06	G-10	78	71	75	74	66	79	66	83	0
07	G-1	66	59	65	53	23*	67	40	69	0
08	G-5	81	59	80	43	12*	79	55	60	0
09	G-14	61	65	65	60	26*	56	44	68	0
10	G-11	75	67	70	41*	9*	67	49	69	0
11	G-6	77	82	90	84	37	75	46	100	0
12	G-9	80	71	74	42*	11*	76	53	52	0
13	G-14RE	76	70	68	70	27*	78	57	69	0
14	G-11RE	94	70	74	46	8*	93	71	71	0
15	G-1RE	85	64	71	59	20*	88	56	71	0
16	G-5RE	96	58	72	44	11*	98*	66	58	0
17	G-9RE	95	76	77	44	12*	97*	65	54	0
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (35-114)
 S4 (FBP) = 2-Fluorobiphenyl (43-116)
 S5 (TPH) = Terphenyl-d14 (33-141)
 S6 (PHL) = Phenol-d5 (10- 94)
 S7 (2FP) = 2-Fluorophenol (21-100)
 S8 (TBP) = 2,4,6-Tribromophenol (10-123)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701179
 Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKM2	65	43	58	61	71	67	59	80	0
02	SLCSM2	72	68	73	70	70	71	67	83	0
03	SLCSDM2	78	74	79	77	72	77	72	86	0
04	SG-2	87	73	82	90	100	91	79	103	0
05	SS-8	96	64	80	101	112	98	83	95	0
06	SS-6	94	65	82	101	110	98	81	100	0
07	SS-7	89	67	76	92	117	93	77	96	0
08	SS-7RE	90	69	77	93	129	92	78	94	0
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (23-120)
 S4 (FBP) = 2-Fluorobiphenyl (30-115)
 S5 (TPH) = Terphenyl-d14 (18-137)
 S6 (PHL) = Phenol-d5 (24-113)
 S7 (2FP) = 2-Fluorophenol (25-121)
 S8 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKA1
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/26/97
 Prep. Batch ID : 1sj26x21
 Date Analyzed : 01/29/97
 Instrument ID : msd5.i

Lab File ID : MJ2611B1/NJ2611B1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC LIMITS REC.
Phenol	75	0.0	51	68	22- 96
2-Chlorophenol	75	0.0	55	73	21- 96
1,4-Dichlorobenzene	50	0.0	36	72	17- 88
N-Nitroso-di-n-prop. (1)	50	0.0	45	90	19- 98
1,2,4-Trichlorobenzene	50	0.0	38	76	18- 92
4-Chloro-3-Methylphenol	75	0.0	62	83	21-103
Acenaphthene	50	0.0	40	80	24-132
4-Nitrophenol	75	0.0	67	89	22-122
2,4-Dinitrotoluene	50	0.0	43	86	30-114
Pentachlorophenol	75	0.0	58	77	16-141
Pyrene	50	0.0	44	88	30-133

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	75	53	71	4	30	22- 96
2-Chlorophenol	75	58	77	5	30	21- 96
1,4-Dichlorobenzene	50	36	72	0	30	17- 88
N-Nitroso-di-n-prop. (1)	50	45	90	0	30	19- 98
1,2,4-Trichlorobenzene	50	38	76	0	30	18- 92
4-Chloro-3-Methylphenol	75	62	83	0	30	21-103
Acenaphthene	50	41	82	2	30	24-132
4-Nitrophenol	75	72	96	8	30	22-122
2,4-Dinitrotoluene	50	44	88	2	30	30-114
Pentachlorophenol	75	57	76	1	30	16-141
Pyrene	50	46	92	4	30	30-133

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/96
 Prep. Batch ID : hdj28x41
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i

Lab File ID : MJ28H1B1/NJ28H1B1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500	0.0	1600	64	34-114
2-Chlorophenol	2500	0.0	1800	72	41-111
1,4-Dichlorobenzene	1700	0.0	1100	65	39-100
N-Nitroso-di-n-prop. (1)	1700	0.0	1200	70	27-105
1,2,4-Trichlorobenzene	1700	0.0	1200	70	40-119
4-Chloro-3-Methylphenol	2500	0.0	2000	80	40-126
Acenaphthene	1700	0.0	1200	70	42-111
4-Nitrophenol	2500	0.0	2300	92	25-145
2,4-Dinitrotoluene	1700	0.0	1300	76	44-128
Pentachlorophenol	2500	0.0	2200	88	45-144
Pyrene	1700	0.0	1300	76	39-129

COMPOUND	SPIKE ADDED (ug/Kg)	LCS D CONCENTRATION (ug/Kg)	LCS D		QC LIMITS	
			% REC #	% RPD #	RPD	REC.
Phenol	2500	1700	68	6	30	34-114
2-Chlorophenol	2500	1900	76	5	30	41-111
1,4-Dichlorobenzene	1700	1100	65	0	30	39-100
N-Nitroso-di-n-prop. (1)	1700	1300	76	8	30	27-105
1,2,4-Trichlorobenzene	1700	1300	76	8	30	40-119
4-Chloro-3-Methylphenol	2500	2100	84	5	30	40-126
Acenaphthene	1700	1200	70	0	30	42-111
4-Nitrophenol	2500	2300	92	0	30	25-145
2,4-Dinitrotoluene	1700	1300	76	0	30	44-128
Pentachlorophenol	2500	2200	88	0	30	45-144
Pyrene	1700	1300	76	0	30	39-129

(1) N-Nitroso-di-n-propylamine
 # Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 1	SS-6	SOIL	01/22/97	8270
9701179- 2	SS-7	SOIL	01/22/97	8270
9701179- 3	SS-8	SOIL	01/22/97	8270
9701179- 4	G-1	WATER	01/22/97	8270
9701179- 5	G-5	WATER	01/22/97	8270
9701179- 6	G-14	WATER	01/22/97	8270
9701179- 7	G-13	WATER	01/22/97	8270
9701179- 8	G-16	WATER	01/23/97	8270
9701179- 9	G-11	WATER	01/23/97	8270
9701179-10	G-6	WATER	01/23/97	8270
9701179-13	G-10	WATER	01/23/97	8270
9701179-15	G-9	WATER	01/23/97	8270
9701179-17	SG-2	SOIL	01/23/97	8270
9701179- 1	SS-6	SOIL	01/22/97	S8260
9701179- 2	SS-7	SOIL	01/22/97	S8260
9701179- 3	SS-8	SOIL	01/22/97	S8260
9701179- 4	G-1	WATER	01/22/97	S8260
9701179- 7	G-13	WATER	01/22/97	S8260
9701179- 8	G-16	WATER	01/23/97	S8260
9701179- 9	G-11	WATER	01/23/97	S8260
9701179-10	G-6	WATER	01/23/97	S8260
9701179-11	G-5	WATER	01/23/97	S8260

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179-13	G-10	WATER	01/23/97	S8260
9701179-14	G-14	WATER	01/23/97	S8260
9701179-15	G-9	WATER	01/23/97	S8260
9701179-16	TBLANK	WATER	01/23/97	S8260
9701179-17	SG-2	SOIL	01/23/97	S8260

CASE NARRATIVE

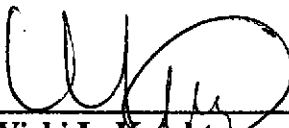
S.D.G. No. N/A

WORKORDER No. 9701179

QUALITY CONTROL PROBLEMS:

Volatiles

- All holding times have been met for the analyses reported in this section.
- Sample SS-8 was not analyzed due to insufficient sample volume.
- Sample G-11 had low recoveries of surrogates 1,2-dichloroethane-d4 and toluene-d8 and was reanalyzed with similar results for surrogates 1,2-dichloroethane-d4 and toluene-d8 and a low recovery of internal standard 1,4-difluorobenzene, indicating a possible matrix effect. Both analyses are reported.
- Based on the results of the screening analysis, sample G-10 was analyzed at a 2-fold dilution.



Vicki L. Knight
GC/MS Supervisor

2-7-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-6
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701179-01
 Lab File ID : MPJ17901
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	16	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-7
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701179-02
 Lab File ID : MRJ17902
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-1
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anametrix ID : 9701179-04
 Lab File ID : MPJ17904
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-13
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-07
 Lab File ID : MPJ17907
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-16
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-08
 Lab File ID : MPJ17908
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-11
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-09
 Lab File ID : MPJ17909
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-11RE
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/29/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-09
 Lab File ID : MRJ17909
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-6
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-10
 Lab File ID : MPJ17910
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	24	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-5
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anametrix ID : 9701179-11
 Lab File ID : MPJ17911
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	25	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-10
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/29/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-13
 Lab File ID : MRJ17913
 % Moisture : _____
 Dilution Factor : 2.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	20	ND	U
74-83-9	Bromomethane	20	ND	U
75-01-4	Vinyl Chloride	20	ND	U
75-00-3	Chloroethane	20	ND	U
75-09-2	Methylene Chloride	10	ND	U
67-64-1	Acetone	40	ND	U
75-15-0	Carbon Disulfide	10	ND	U
75-35-4	1,1-Dichloroethene	10	ND	U
75-34-3	1,1-Dichloroethane	10	190	U
156-59-2	Cis-1,2-Dichloroethene	10	ND	U
67-66-3	Chloroform	10	ND	U
107-06-2	1,2-Dichloroethane	10	ND	U
78-93-3	2-Butanone	40	ND	U
71-55-6	1,1,1-Trichloroethane	10	23	U
56-23-5	Carbon Tetrachloride	10	ND	U
75-27-4	Bromodichloromethane	10	ND	U
78-87-5	1,2-Dichloropropane	10	ND	U
10061-01-5	cis-1,3-Dichloropropene	10	ND	U
79-01-6	Trichloroethene	10	ND	U
124-48-1	Dibromochloromethane	10	ND	U
79-00-5	1,1,2-Trichloroethane	10	ND	U
71-43-2	Benzene	10	ND	U
10061-02-6	trans-1,3-Dichloropropene	10	ND	U
75-25-2	Bromoform	10	ND	U
108-10-1	4-Methyl-2-Pentanone	20	ND	U
591-78-6	2-Hexanone	20	ND	U
127-18-4	Tetrachloroethene	10	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	10	ND	U
108-88-3	Toluene	10	ND	U
108-90-7	Chlorobenzene	10	ND	U
100-41-4	Ethylbenzene	10	ND	U
100-42-5	Styrene	10	ND	U
1330-20-7	Xylene (Total)	10	ND	U
108-05-4	Vinyl acetate	10	ND	U
75-69-4	Trichlorofluoromethane	10	ND	U
76-13-1	Trichlorotrifluoroethane	10	ND	U
156-60-5	Trans-1,2-dichloroethene	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-14
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-14
 Lab File ID : MPJ17914
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-9
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-15
 Lab File ID : MPJ17915
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	17	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : TBBLANK
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-16
 Lab File ID : MPJ17916
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701179-17
 Lab File ID : MPJ17917
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	12	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBF
 Matrix : SOIL
 Date Sampled :
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : BJ2801A1
 Lab File ID : BJ2801A1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKCJ
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : BJ2802A2
 Lab File ID : BJ2802A2
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKCK
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 01/29/97
 Instrument ID : msd6.i

Anamatrix ID : BJ2901A2
 Lab File ID : BJ2901A2
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701179
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKBF	94	94	92		0
02	VLCSEBF	96	93	92		0
03	VLCSEDBF	94	94	95		0
04	SS-6	93	93	95		0
05	SG-2	92	94	96		0
06	SG-2MS	94	93	94		0
07	SG-2MSD	95	91	93		0
08	SS-7	95	92	94		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (77-119)
 SMC2 (BFB) = Bromofluorobenzene (78-116)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (78-125)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID
 Matrix

: 961163NB
 : WATER

Anamatrix ID : 9701179

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKCJ	93	99	95		0
02	VLCS CJ	93	99	99		0
03	VLCS DCJ	93	99	97		0
04	G-1	94	101	98		0
05	TBBLANK	94	101	98		0
06	G-13	98	99	102		0
07	G-16	94	99	102		0
08	G-11	82*	113	76*		2
09	G-6	95	98	97		0
10	G-5	93	100	97		0
11	G-14	95	101	98		0
12	G-9	94	101	101		0
13	VBLKCK	92	101	100		0
14	VLCSCK	92	100	101		0
15	VLCS DCK	93	100	102		0
16	G-11RE	80*	108	70*		2
17	G-10	94	100	96		0
18	G-1MS	93	99	97		0
19	G-1MSD	93	100	100		0
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (86-128)
 SMC2 (BFB) = Bromofluorobenzene (80-128)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (80-129)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-1
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701179-04

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	44	88	67-150
Trichloroethene	50	0.0	44	88	85-130
Benzene	50	0.0	47	94	75-134
Toluene	50	0.0	46	92	69-136
Chlorobenzene	50	0.0	45	90	78-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	44	88	0	25	67-150
Trichloroethene	50	43	86	2	25	85-130
Benzene	50	47	94	0	25	75-134
Toluene	50	46	92	0	25	69-136
Chlorobenzene	50	46	92	2	25	78-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701179-17

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	62-131
Trichloroethene	50	0.0	38	76	65-117
Benzene	50	0.0	42	84	57-131
Toluene	50	0.0	40	80	62-114
Chlorobenzene	50	0.0	37	74	62-122

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	48	96	4	30	62-131
Trichloroethene	50	38	76	0	30	65-117
Benzene	50	42	84	0	30	57-131
Toluene	50	41	82	2	30	62-114
Chlorobenzene	50	39	78	5	30	62-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKCJ
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 06j28a2a
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Lab File ID : MJ2801A2/NJ2801A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	48	96	72-145
Trichloroethene	50	0.0	45	90	61-140
Benzene	50	0.0	48	96	83-125
Toluene	50	0.0	47	94	82-123
Chlorobenzene	50	0.0	48	96	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	47	94	2	25	72-145
Trichloroethene	50	46	92	2	25	61-140
Benzene	50	48	96	0	25	83-125
Toluene	50	48	96	2	25	82-123
Chlorobenzene	50	48	96	0	25	82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKCK
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 06j29a2a
 Date Analyzed : 01/29/97
 Instrument ID : msd6.i

Lab File ID : MJ2901A2/NJ2901A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	45	90	72-145
Trichloroethene	50	0.0	45	90	61-140
Benzene	50	0.0	48	96	83-125
Toluene	50	0.0	47	94	82-123
Chlorobenzene	50	0.0	47	94	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCS D CONCENTRATION (ug/L)	LCS D % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	48	96	6	25	72-145
Trichloroethene	50	47	94	4	25	61-140
Benzene	50	51	102	6	25	83-125
Toluene	50	49	98	4	25	82-123
Chlorobenzene	50	50	100	6	25	82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKBF
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : 02j28a1a
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Lab File ID : MJ2801A1/NJ2801A1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	78-150
Trichloroethene	50	0.0	48	96	64-135
Benzene	50	0.0	50	100	85-120
Toluene	50	0.0	52	104	88-119
Chlorobenzene	50	0.0	50	100	86-116

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	50	100	0	21	78-150
Trichloroethene	50	46	92	4	21	64-135
Benzene	50	49	98	2	21	85-120
Toluene	50	50	100	4	21	88-119
Chlorobenzene	50	49	98	2	21	86-116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:



GC/PESTICIDE REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing Inchcape Testing Services ID Number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*" and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery, Laboratory Control Sample Forms

These forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes, laboratory control samples and their duplicates. This information is a statement of accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*".

Qualifiers

Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed, but not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- P - Indicates that the value reported for this compound differed by more than 25% between the two columns. When this occurs, the lower value is reported.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages do display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 1	SS-6	SOIL	01/22/97	8081
9701179- 2	SS-7	SOIL	01/22/97	8081
9701179- 3	SS-8	SOIL	01/22/97	8081
9701179- 4	G-1	WATER	01/22/97	8081
9701179- 5	G-5	WATER	01/22/97	8081
9701179- 6	G-14	WATER	01/22/97	8081
9701179- 7	G-13	WATER	01/22/97	8081
9701179- 8	G-16	WATER	01/23/97	8081
9701179-10	G-6	WATER	01/23/97	8081
9701179-13	G-10	WATER	01/23/97	8081
9701179-15	G-9	WATER	01/23/97	8081
9701179-17	SG-2	SOIL	01/23/97	8081

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701179

QUALITY CONTROL PROBLEMS:

Pesticides

- All holding times have been met for the analyses reported in this section.
- Due to the complex nature of the sample matrices, samples G-1 and G-14 were analyzed at 5-fold dilutions; sample SS-6 at a 10-fold dilution; sample SS-7 at a 20-fold dilution; and samples SG-2, SG-2MS and SG-2MSD at 100 fold dilutions. At the 20-fold and 100-fold dilutions, the surrogate compounds were not recovered for samples SS-7, SG-2, SG-2MS, and SG-2MSD. In addition, the spike compounds were not recovered for samples SG-2MS and SG-2MSD.
- Samples G-1 and G-6 had low recoveries of surrogate decachlorobiphenyl, indicating a possible matrix effect.
- Samples PBLKI9 and SS-6 had high recoveries of surrogate tetrachloro-m-xylene on the primary column due to coeluting matrix peaks. The samples had acceptable surrogate recoveries on the confirmation column. Sample G-1 had low recovery of surrogate tetrachloro-m-xylene on both columns, possibly due to matrix effect.
- The continuing calibration standards SF05X1P1 and SF05X3P1 had responses for methoxychlor that were high and outside the acceptance criteria for the primary column. However, there was no methoxychlor detected in any of the samples, and all responses were acceptable for the confirmation column.
- The continuing calibration standards SF07X8P1 and SF07Y1P1 had responses for alpha-BHC that were high and outside the acceptance criteria for both columns. In addition, continuing calibration standard SF07X8P1 had responses for delta-BHC that was outside the acceptance criteria for the confirmation column. Since the detector was becoming more sensitive for these analytes, and no peaks were detected within the retention time windows, the analytes were reported as "ND."
- Sample SS-8 was not analyzed due to insufficient sample volume. Sample SS-7 was extracted using 19.5g of soil. Samples G-1 and G-14 were extracted using 800 mls of water, and sample G-6 was extracted using 700 mls of water.
- The continuing calibration standards SF10X1P1 and SF10X3P1 had responses for 4,4'-DDT that were outside the acceptance criteria for the primary column. However, there was no 4,4'-DDT detected in any of the samples, and all responses were acceptable for the confirmation column.


Vicki L. Knight
GC/MS - Pesticides Supervisor


Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-6
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/11/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-01
 Lab File ID : EPJ17901
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	17	ND	U
319-85-7	beta-BHC	17	ND	U
319-86-8	delta-BHC	17	ND	U
58-89-9	gamma-BHC (Lindane)	17	ND	U
76-44-8	Heptachlor	17	ND	U
309-00-2	Aldrin	17	ND	U
1024-57-3	Heptachlor epoxide	17	ND	U
959-98-8	Endosulfan I	17	ND	U
60-57-1	Dieldrin	33	ND	U
72-55-9	4,4'-DDE	33	ND	U
72-20-8	Endrin	33	ND	U
33213-65-9	Endosulfan II	33	ND	U
72-54-8	4,4'-DDD	33	ND	U
1031-07-8	Endosulfan sulfate	33	ND	U
50-29-3	4,4'-DDT	33	ND	U
72-43-5	Methoxychlor	170	ND	U
53494-70-5	Endrin ketone	33	ND	U
7421-93-4	Endrin aldehyde	33	ND	U
5103-71-9	alpha-Chlordane	17	ND	U
5103-74-2	gamma-Chlordane	17	ND	U
8001-35-2	Toxaphene	330	ND	U
12789-03-6	Technical chlordane	330	ND	U
12674-11-2	Aroclor-1016	330	ND	U
11104-28-2	Aroclor-1221	330	ND	U
1114-11-65	Aroclor-1232	330	ND	U
53469-21-9	Aroclor-1242	330	ND	U
12672-29-6	Aroclor-1248	330	ND	U
11097-69-1	Aroclor-1254	330	ND	U
11096-82-5	Aroclor-1260	330	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-7
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 20 g
 Date Analyzed : 02/11/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-02
 Lab File ID : EPJ17902
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	52	ND	U
319-85-7	beta-BHC	52	ND	U
319-86-8	delta-BHC	52	ND	U
58-89-9	gamma-BHC (Lindane)	52	ND	U
76-44-8	Heptachlor	52	ND	U
309-00-2	Aldrin	52	ND	U
1024-57-3	Heptachlor epoxide	52	ND	U
959-98-8	Endosulfan I	52	ND	U
60-57-1	Dieldrin	100	ND	U
72-55-9	4,4'-DDE	100	ND	U
72-20-8	Endrin	100	ND	U
33213-65-9	Endosulfan II	100	ND	U
72-54-8	4,4'-DDD	100	ND	U
1031-07-8	Endosulfan sulfate	100	ND	U
50-29-3	4,4'-DDT	100	ND	U
72-43-5	Methoxychlor	520	ND	U
53494-70-5	Endrin ketone	100	ND	U
7421-93-4	Endrin aldehyde	100	ND	U
5103-71-9	alpha-Chlordane	52	ND	U
5103-74-2	gamma-Chlordane	52	ND	U
8001-35-2	Toxaphene	1000	ND	U
12789-03-6	Technical chlordane	1000	ND	U
12674-11-2	Aroclor-1016	1000	ND	U
11104-28-2	Aroclor-1221	1000	ND	U
1114-11-65	Aroclor-1232	1000	ND	U
53469-21-9	Aroclor-1242	1000	ND	U
12672-29-6	Aroclor-1248	1000	ND	U
11097-69-1	Aroclor-1254	1000	ND	U
11096-82-5	Aroclor-1260	1000	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-1
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/27/97
 Amount Extracted : 800 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-04
 Lab File ID : EPJ17904
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.31	ND	U
319-85-7	beta-BHC	0.31	ND	U
319-86-8	delta-BHC	0.31	ND	U
58-89-9	gamma-BHC (Lindane)	0.31	ND	U
76-44-8	Heptachlor	0.31	ND	U
309-00-2	Aldrin	0.31	ND	U
1024-57-3	Heptachlor epoxide	0.31	ND	U
959-98-8	Endosulfan I	0.31	ND	U
60-57-1	Dieldrin	0.62	ND	U
72-55-9	4,4'-DDE	0.62	ND	U
72-20-8	Endrin	0.62	ND	U
33213-65-9	Endosulfan II	0.62	ND	U
72-54-8	4,4'-DDD	0.62	ND	U
1031-07-8	Endosulfan sulfate	0.62	ND	U
50-29-3	4,4'-DDT	0.62	ND	U
72-43-5	Methoxychlor	3.1	ND	U
53494-70-5	Endrin ketone	0.62	ND	U
7421-93-4	Endrin aldehyde	0.62	ND	U
5103-71-9	alpha-Chlordane	0.31	ND	U
5103-74-2	gamma-Chlordane	0.31	ND	U
8001-35-2	Toxaphene	6.2	ND	U
12789-03-6	Technical chlordane	6.2	ND	U
12674-11-2	Aroclor-1016	6.2	ND	U
11104-28-2	Aroclor-1221	6.2	ND	U
1114-11-65	Aroclor-1232	6.2	ND	U
53469-21-9	Aroclor-1242	6.2	ND	U
12672-29-6	Aroclor-1248	6.2	ND	U
11097-69-1	Aroclor-1254	6.2	ND	U
11096-82-5	Aroclor-1260	6.2	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-5
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-05
 Lab File ID : EPJ17905
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-14
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/27/97
 Amount Extracted : 800 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-06
 Lab File ID : EPJ17906
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.31	ND	U
319-85-7	beta-BHC	0.31	ND	U
319-86-8	delta-BHC	0.31	ND	U
58-89-9	gamma-BHC (Lindane)	0.31	ND	U
76-44-8	Heptachlor	0.31	ND	U
309-00-2	Aldrin	0.31	ND	U
1024-57-3	Heptachlor epoxide	0.31	ND	U
959-98-8	Endosulfan I	0.31	ND	U
60-57-1	Dieldrin	0.62	ND	U
72-55-9	4,4'-DDE	0.62	ND	U
72-20-8	Endrin	0.62	ND	U
33213-65-9	Endosulfan II	0.62	ND	U
72-54-8	4,4'-DDD	0.62	ND	U
1031-07-8	Endosulfan sulfate	0.62	ND	U
50-29-3	4,4'-DDT	0.62	ND	U
72-43-5	Methoxychlor	3.1	ND	U
53494-70-5	Endrin ketone	0.62	ND	U
7421-93-4	Endrin aldehyde	0.62	ND	U
5103-71-9	alpha-Chlordane	0.31	ND	U
5103-74-2	gamma-Chlordane	0.31	ND	U
8001-35-2	Toxaphene	6.2	ND	U
12789-03-6	Technical chlordane	6.2	ND	U
12674-11-2	Aroclor-1016	6.2	ND	U
11104-28-2	Aroclor-1221	6.2	ND	U
1114-11-65	Aroclor-1232	6.2	ND	U
53469-21-9	Aroclor-1242	6.2	ND	U
12672-29-6	Aroclor-1248	6.2	ND	U
11097-69-1	Aroclor-1254	6.2	ND	U
11096-82-5	Aroclor-1260	6.2	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-13
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.1
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-07
 Lab File ID : EPJ17907
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-16
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-08
 Lab File ID : EPJ17908
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-6
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/27/97
 Amount Extracted : 700 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-10
 Lab File ID : EPJ17910
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.071	ND	U
319-85-7	beta-BHC	0.071	ND	U
319-86-8	delta-BHC	0.071	ND	U
58-89-9	gamma-BHC (Lindane)	0.071	ND	U
76-44-8	Heptachlor	0.071	ND	U
309-00-2	Aldrin	0.071	ND	U
1024-57-3	Heptachlor epoxide	0.071	ND	U
959-98-8	Endosulfan I	0.071	ND	U
60-57-1	Dieldrin	0.14	ND	U
72-55-9	4,4'-DDE	0.14	ND	U
72-20-8	Endrin	0.14	ND	U
33213-65-9	Endosulfan II	0.14	ND	U
72-54-8	4,4'-DDD	0.14	ND	U
1031-07-8	Endosulfan sulfate	0.14	ND	U
50-29-3	4,4'-DDT	0.14	ND	U
72-43-5	Methoxychlor	0.71	ND	U
53494-70-5	Endrin ketone	0.14	ND	U
7421-93-4	Endrin aldehyde	0.14	ND	U
5103-71-9	alpha-Chlordane	0.071	ND	U
5103-74-2	gamma-Chlordane	0.071	ND	U
8001-35-2	Toxaphene	1.4	ND	U
12789-03-6	Technical chlordane	1.4	ND	U
12674-11-2	Aroclor-1016	1.4	ND	U
11104-28-2	Aroclor-1221	1.4	ND	U
1114-11-65	Aroclor-1232	1.4	ND	U
53469-21-9	Aroclor-1242	1.4	ND	U
12672-29-6	Aroclor-1248	1.4	ND	U
11097-69-1	Aroclor-1254	1.4	ND	U
11096-82-5	Aroclor-1260	1.4	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-10
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anametrix ID : 9701179-13
 Lab File ID : EPJ17913
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-9
 Matrix : WATER
 Date Sampled : 01/23/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-15
 Lab File ID : EPJ17915
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/11/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701179-17
 Lab File ID : EPJ17917
 % Moisture : _____
 Dilution Factor : 100.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	170	ND	U
319-85-7	beta-BHC	170	ND	U
319-86-8	delta-BHC	170	ND	U
58-89-9	gamma-BHC (Lindane)	170	ND	U
76-44-8	Heptachlor	170	ND	U
309-00-2	Aldrin	170	ND	U
1024-57-3	Heptachlor epoxide	170	ND	U
959-98-8	Endosulfan I	170	ND	U
60-57-1	Dieldrin	330	ND	U
72-55-9	4,4'-DDE	330	ND	U
72-20-8	Endrin	330	ND	U
33213-65-9	Endosulfan II	330	ND	U
72-54-8	4,4'-DDD	330	ND	U
1031-07-8	Endosulfan sulfate	330	ND	U
50-29-3	4,4'-DDT	330	ND	U
72-43-5	Methoxychlor	1700	ND	U
53494-70-5	Endrin ketone	330	ND	U
7421-93-4	Endrin aldehyde	330	ND	U
5103-71-9	alpha-Chlordane	170	ND	U
5103-74-2	gamma-Chlordane	170	ND	U
8001-35-2	Toxaphene	3300	ND	U
12789-03-6	Technical chlordane	3300	ND	U
12674-11-2	Aroclor-1016	3300	ND	U
11104-28-2	Aroclor-1221	3300	ND	U
1114-11-65	Aroclor-1232	3300	ND	U
53469-21-9	Aroclor-1242	3300	ND	U
12672-29-6	Aroclor-1248	3300	ND	U
11097-69-1	Aroclor-1254	3300	ND	U
11096-82-5	Aroclor-1260	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI3
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ2711P1
 Lab File ID : BJ2711P1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI9
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ29H2P1
 Lab File ID : BJ29H2P1

% Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	1.7	ND	U
319-85-7	beta-BHC	1.7	ND	U
319-86-8	delta-BHC	1.7	ND	U
58-89-9	gamma-BHC (Lindane)	1.7	ND	U
76-44-8	Heptachlor	1.7	ND	U
309-00-2	Aldrin	1.7	ND	U
1024-57-3	Heptachlor epoxide	1.7	ND	U
959-98-8	Endosulfan I	1.7	ND	U
60-57-1	Dieldrin	3.3	ND	U
72-55-9	4,4'-DDE	3.3	ND	U
72-20-8	Endrin	3.3	ND	U
33213-65-9	Endosulfan II	3.3	ND	U
72-54-8	4,4'-DDD	3.3	ND	U
1031-07-8	Endosulfan sulfate	3.3	ND	U
50-29-3	4,4'-DDT	3.3	ND	U
72-43-5	Methoxychlor	17	ND	U
53494-70-5	Endrin ketone	3.3	ND	U
7421-93-4	Endrin aldehyde	3.3	ND	U
5103-71-9	alpha-Chlordane	1.7	ND	U
5103-74-2	gamma-Chlordane	1.7	ND	U
8001-35-2	Toxaphene	33	ND	U
12789-03-6	Technical chlordane	33	ND	U
12674-11-2	Aroclor-1016	33	ND	U
11104-28-2	Aroclor-1221	33	ND	U
1114-11-65	Aroclor-1232	33	ND	U
53469-21-9	Aroclor-1242	33	ND	U
12672-29-6	Aroclor-1248	33	ND	U
11097-69-1	Aroclor-1254	33	ND	U
11096-82-5	Aroclor-1260	33	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8080
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701179

GC Column(1): HP-1701 ID: 0.53 (mm) GC Column(2): HP-35 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	PBLKI3	103	88	93	94			0
02	PLCSCM	96	84	96	99			0
03	PLCSDUM	113	97	102	100			0
04	G-1	25*	48	17*	26*			3
05	G-5	111	84	54	54			0
06	G-14	62	96	39	40			0
07	G-13	116	91	55	53			0
08	G-16	122	97	67	69			0
09	G-6	113	87	24*	25*			2
10	G-10	105	80	66	70			0
11	G-9	81	68	38	47			0
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (33-126)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701179

GC Column(1): RTX-1701 ID: 0.32 (mm) GC Column(2): RTX-35 ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKI9	157*	109	119	119			1
02	PLCSCR	140	114	115	116			0
03	PLCSDUR	127	114	119	120			0
04	SS-6	167*	131	145	114			1
05	SS-7	0.D	0.D	0.D	0.D			0
06	SG-2	0.D	0.D	0.D	0.D			0
07	SG-2MS	0.D	0.D	0.D	0.D			0
08	SG-2MSD	0.D	0.D	0.D	0.D			0
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (46-151)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-2
 Matrix : SOIL
 Date Sampled : 01/23/97
 Date Extracted : 01/29/97
 Date Analyzed : 02/11/97
 Instrument ID : hp10_1.i

Anamatrix ID : 9701179-17

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	8.3	0.00	0.00	0	59-114
Heptachlor	8.3	0.00	0.00	0	53-131
Aldrin	8.3	0.00	0.00	0	49-126
Dieldrin	17	0.00	0.00	0	60-139
Endrin	17	0.00	0.00	0	58-148
4,4'-DDT	17	0.00	0.00	0	58-139

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
gamma-BHC (Lindane)	8.3	0.00	0	0	59-114
Heptachlor	8.3	0.00	0	0	53-131
Aldrin	8.3	0.00	0	0	49-126
Dieldrin	17	0.00	0	0	60-139
Endrin	17	0.00	0	0	58-148
4,4'-DDT	17	0.00	0	0	58-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 12 out of 12 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI3
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 1sj27y11
 Date Analyzed : 02/05/97
 Instrument ID : hp26_1.i

Lab File ID : MJ2711P1/NJ2711P1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.25	0.00	0.22	88	47-120
Heptachlor	0.25	0.00	0.20	80	44-125
Aldrin	0.25	0.00	0.19	76	41-125
Dieldrin	0.50	0.00	0.47	94	53-133
Endrin	0.50	0.00	0.49	98	51-134
4,4'-DDT	0.50	0.00	0.43	86	49-134

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
gamma-BHC (Lindane)	0.25	0.24	96	9	25	47-120
Heptachlor	0.25	0.23	92	14	25	44-125
Aldrin	0.25	0.23	92	19	25	41-125
Dieldrin	0.50	0.52	104	10	25	53-133
Endrin	0.50	0.54	108	10	25	51-134
4,4'-DDT	0.50	0.48	96	11	25	49-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PBLKI9
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : hdj29y62
 Date Analyzed : 02/08/97
 Instrument ID : hp10_1.i

Lab File ID : MJ29H2P1/NJ29H2P1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17	0.00	10	59	59-114
Heptachlor	17	0.00	9.6	56	53-131
Aldrin	17	0.00	10	59	49-126
Dieldrin	33	0.00	21	64	60-139
Endrin	33	0.00	22	67	58-148
4,4'-DDT	33	0.00	20	61	58-139

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
gamma-BHC (Lindane)	17	11	65	10	30	59-114
Heptachlor	17	10	59	5	30	53-131
Aldrin	17	11	65	10	30	49-126
Dieldrin	33	21	64	0	30	60-139
Endrin	33	22	67	0	30	58-148
4,4'-DDT	33	20	61	0	30	58-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
 Spike Recovery: 0 out of 12 outside limits

COMMENTS:

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701179
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 1	SS-6	SOIL	01/22/97	TPHd
9701179- 2	SS-7	SOIL	01/22/97	TPHd
9701179- 3	SS-8	SOIL	01/22/97	TPHd
9701179- 4	G-1	WATER	01/22/97	TPHd
9701179- 6	G-14	WATER	01/22/97	TPHd
9701179- 7	G-13	WATER	01/22/97	TPHd
9701179- 8	G-16	WATER	01/23/97	TPHd
9701179- 9	G-11	WATER	01/23/97	TPHd
9701179-10	G-6	WATER	01/23/97	TPHd
9701179-12	G-8	WATER	01/23/97	TPHd
9701179-13	G-10	WATER	01/23/97	TPHd
9701179-15	G-9	WATER	01/23/97	TPHd
9701179-17	SG-2	SOIL	01/23/97	TPHd
9701179- 1	SS-6	SOIL	01/22/97	TPHg
9701179- 2	SS-7	SOIL	01/22/97	TPHg
9701179- 3	SS-8	SOIL	01/22/97	TPHg
9701179- 7	G-13	WATER	01/22/97	TPHg
9701179- 8	G-16	WATER	01/23/97	TPHg
9701179- 9	G-11	WATER	01/23/97	TPHg
9701179-10	G-6	WATER	01/23/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179-11	G-5	WATER	01/23/97	TPHg
9701179-13	G-10	WATER	01/23/97	TPHg
9701179-14	G-14	WATER	01/23/97	TPHg
9701179-15	G-9	WATER	01/23/97	TPHg
9701179-16	TBLANK	WATER	01/23/97	TPHg
9701179-17	SG-2	SOIL	01/23/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as diesel for samples G-1, G14, G-13, G-16, G-11, G-6, G-8, G-10 and G-9 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- Due to insufficient sample volume, LCS and LCSD were extracted for diesel water sample instead of MS and MSD.

M. Hesse 1/31/97
Department Supervisor Date

[Signature] 01/24/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701179-01	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-6
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	58%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-02	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-7
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	60%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-03	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-8
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	70%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-07	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-13
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	98%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services
approved methods.

**TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192**

DATA SUMMARY FORM

Anametrix ID:	9701179-08	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-16
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	97%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-09	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-11
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	94%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-10	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-6
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	78%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-11	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-5
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	95%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	50

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701179-13	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-10
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	78%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	140

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-14	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-14
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	77%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	50

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701179-15	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-9
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	77%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.
TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.
Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.
Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701179-16	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	TBLANK
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	94%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701179-17	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-2
Date Sampled:	1/23/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	108%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	BJ2702E1	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SAND BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	81%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%. All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BJ2801E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	96%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BJ2901E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	90%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2702E1
Matrix:	SOIL	Date Released:	1/31/96
Date Analyzed:	1/28/97	Instrument ID:	HP8
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	0.40	0.37	93%
p-Bromofluorobenzene			87%

Quality control limits for LCS recovery are 58-130%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2801E1
Matrix:	WATER	Date Released:	1/31/97
Date Analyzed:	1/28/97	Instrument ID:	HP8
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	410	103%
p-Bromofluorobenzene			101%

Quality control limits for gasoline LCS recovery are 67-127%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2901E1
Matrix:	WATER	Date Released:	1/31/97
Date Analyzed:	1/29/97	Instrument ID:	HP8
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	390	98%
p-Bromofluorobenzene			105%

Quality control limits for gasoline LCS recovery are 67-127%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	961163NB	Laboratory ID:	9701179-01
Client Sample ID:	SS-6	Date Released:	1/31/97
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Matrix:	SOIL
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	0.8	0	0.54	68%	0.48	60%	3%
p-Bromofluorobenzene				61%		61%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID: 961163NB	Laboratory ID: 9701179-10
Client Sample ID: G-6	Date Released: 1/31/97
Date Sampled: 1/23/97	Instrument ID: HP8
Date Analyzed: 1/28/97	Matrix: WATER
	Concentration Units: ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	400	0	400	100%	410	103%	2%
p-Bromofluorobenzene				89%		93%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

**TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192**

DATA SUMMARY FORM

Anametrix ID:	9701179-04	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-1
Date Sampled:	1/23/97	Instrument ID:	HP4
Date Analyzed:	2/5/97	Surrogate Recovery:	115%
Date Released:	2/10/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BF0401E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP4
Date Analyzed:	2/4/97	Surrogate Recovery:	114%
Date Released:	2/10/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MF0401E1
Matrix:	WATER	Date Released:	2/10/97
Date Analyzed:	2/4/97	Instrument ID:	HP4
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	450	113%
p-Bromofluorobenzene			111%

Quality control limits for gasoline LCS recovery are 67-127%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701179
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 1	SS-6	SOIL	01/22/97	TPHd
9701179- 2	SS-7	SOIL	01/22/97	TPHd
9701179- 3	SS-8	SOIL	01/22/97	TPHd
9701179- 4	G-1	WATER	01/22/97	TPHd
9701179- 6	G-14	WATER	01/22/97	TPHd
9701179- 7	G-13	WATER	01/22/97	TPHd
9701179- 8	G-16	WATER	01/23/97	TPHd
9701179- 9	G-11	WATER	01/23/97	TPHd
9701179-10	G-6	WATER	01/23/97	TPHd
9701179-12	G-8	WATER	01/23/97	TPHd
9701179-13	G-10	WATER	01/23/97	TPHd
9701179-15	G-9	WATER	01/23/97	TPHd
9701179-17	SG-2	SOIL	01/23/97	TPHd
9701179- 1	SS-6	SOIL	01/22/97	TPHg
9701179- 2	SS-7	SOIL	01/22/97	TPHg
9701179- 3	SS-8	SOIL	01/22/97	TPHg
9701179- 7	G-13	WATER	01/22/97	TPHg
9701179- 8	G-16	WATER	01/23/97	TPHg
9701179- 9	G-11	WATER	01/23/97	TPHg
9701179-10	G-6	WATER	01/23/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179-11	G-5	WATER	01/23/97	TPHg
9701179-13	G-10	WATER	01/23/97	TPHg
9701179-14	G-14	WATER	01/23/97	TPHg
9701179-15	G-9	WATER	01/23/97	TPHg
9701179-16	TBLANK	WATER	01/23/97	TPHg
9701179-17	SG-2	SOIL	01/23/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentrations reported as diesel for samples G-1, G14, G-13, G-16, G-11, G-6, G-8, G-10 and G-9 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- Due to insufficient sample volume, LCS and LCSD were extracted for diesel water sample instead of MS and MSD.

M. Harsein 2/14/97
Department Supervisor Date

J. Desli 2/5/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701179	Client Project ID:	961163NB
Matrix:	WATER	Date Released:	1/29/97
Date Extracted:	1/27/97	Concentration Units:	ug/L
Instrument ID:	HP23		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701179-04	G-1	1/22/97	1/28/97	1	50	280	90%
9701179-06	G-14	1/22/97	1/27/97	1	50	230	94%
9701179-07	G-13	1/22/97	1/27/97	1	50	460	96%
9701179-08	G-16	1/23/97	1/27/97	1	71	130	95%
9701179-09	G-11	1/23/97	1/27/97	1	50	310	94%
9701179-10	G-6	1/23/97	1/28/97	1	50	430	97%
9701179-12	G-8	1/23/97	1/28/97	1	81	540	94%
9701179-13	G-10	1/23/97	1/27/97	1	50	300	97%
9701179-15	G-9	1/23/97	1/27/97	1	50	200	94%
BJ2711F1	Method Blank	N/A	1/27/97	1	50	ND	91%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3510. Surrogate recovery quality control limits for o-terphenyl are 65-122%. All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701179	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/29/97
Date Extracted:	1/27/97	Concentration Unit	mg/Kg
Instrument ID:	HP23		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701179-01	SS-6	1/22/97	1/28/97	10	100	ND	81%
9701179-02	SS-7	1/22/97	1/28/97	10	100	ND	75%
9701179-03	SS-8	1/22/97	1/28/97	20	200	ND	84%
9701179-17	SG-2	1/23/97	1/28/97	1	10	ND	86%
BJ27H1F1	Method Blank	N/A	1/28/97	1	10	ND	97%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3550. Surrogate recovery quality control limits for o-terphenyl are 75-117%.
All testing procedures follow California Department of Health Services

TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701179	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/29/97
Date Extracted:	1/27/97	Concentration Unit	mg/Kg
Instrument ID:	HP23		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701179-01	SS-6	1/22/97	1/28/97	10	100	350	81%
9701179-02	SS-7	1/22/97	1/28/97	10	100	470	75%
9701179-03	SS-8	1/22/97	1/28/97	20	200	1150	84%
9701179-17	SG-2	1/23/97	1/28/97	1	10	26	86%
BJ27H1F1	Method Blank	N/A	1/28/97	1	10	ND	97%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID
(modified EPA Method 8015) following sample extraction by EPA Method 3550.
Surrogate recovery quality control limits for o-terphenyl are 75-117%.
All testing procedures follow California Department of Health Services

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	M/NJ2711F1
Matrix:	WATER	Date Released:	1/29/97
Date Extracted:	1/27/97	Instrument ID:	HP23
Date Analyzed:	1/27/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>SPIKE</u>	<u>LCS</u>	<u>% REC</u>	<u>LCSD</u>	<u>%REC</u>	
<u>NAME</u>	<u>AMT</u>	<u>CONC</u>	<u>LCS</u>	<u>CONC</u>	<u>LCSD</u>	<u>RPD</u>
Diesel	1250	1260	101%	1300	104%	3%
o-Terphenyl			106%		98%	

Quality control limits for LCS/LCSD recovery are 34-111%.

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 65-122%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID: 961163NB	Laboratory ID: M/NJ27H1F1
Matrix: SOIL	Date Released: 1/29/97
Date Extracted: 1/27/97	Instrument ID: HP23
Date Analyzed: 1/28/97	Concentration Units: mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	62.5	65.4	105%	60.5	97%	-8%
o-Terphenyl			109%		109%	

Quality control limits for LCS/LCSD recovery are 58-118%.

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	961163NB	Laboratory ID:	9701178-02
Client Sample ID:	SG-4	Date Released:	1/29/97
Date Sampled:	1/21/97	Instrument ID:	HP27
Date Extracted:	1/27/97	Matrix:	SOIL
Date Analyzed:	1/29/97	Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Diesel	62.5	0	65.9	105%	72.8	116%	10%
o-Terphenyl				108%		107%	

Quality control limits for MS/MSD recovery are 32-143%

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701179- 3	SS-8	SOIL	01/22/97	1311-INORG
9701179- 3	SS-8	SOIL	01/22/97	CWETMETALS
9701179- 3	SS-8	SOIL	01/22/97	DIWETI
9701179- 1	SS-6	SOIL	01/22/97	T 22-MET
9701179- 2	SS-7	SOIL	01/22/97	T 22-MET
9701179- 3	SS-8	SOIL	01/22/97	T 22-MET
9701179-17	SG-2	SOIL	01/23/97	T 22-MET

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701179
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- For batch matrix spike and matrix spike duplicate data please refer to I.T.S. Environmental work order 9701178.

Neil A. Hill 2/7/97
Department Supervisor Date

Mona Kameel 02/07/97
Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701179-01
Client Sample ID: SS-6
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst: *Mh*
Supervisor: *JA*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	8.0	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	99.9	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	28.7	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	9.3	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	29.8	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	55.8	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.17	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	30.8	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	37.9	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	121	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701179-02
Client Sample ID: SS-7
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst: *ML*
Supervisor: *JL*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	16.0	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	90.2	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	0.8	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	25.3	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	8.7	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	24.3	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	39.2	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.16	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	1.2	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	28.7	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	38.5	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	106	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701179-03
Client Sample ID: SS-8
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst: *MH*
Supervisor: *HK*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	4.7	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	68.6	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	25.4	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	7.1	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	20.8	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	36.3	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.11	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	24.3	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	33.1	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	91.7	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701179-17
Client Sample ID: SG-2
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/23/97
Analyst: *Mh*
Supervisor: *A*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	5.9	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	200	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	9.1	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	13.2	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	39.1	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	4.4	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.095	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	15.3	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	47.3	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	79.4	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ277SC**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701179**
 Client Project Number: **961163NB**
 Matrix: **SOIL**

SDG #: **N/A**
 Prep. Batch: **15562**
 Analyst: *Mh*
 Supervisor: *A*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Barium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	ND	
Beryllium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Cobalt	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	
Copper	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	ND	
Lead	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	ND	
Molybdenum	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	ND	
Selenium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	
Zinc	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ277SA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701179**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15563**
Analyst: **M**
Supervisor: **[Signature]**

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Mercury	7471A	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: **LJ277SC**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701179**
 Client Project Number: **961163NB**
 Matrix: **SOIL**

SDG #: **N/A**
 Prep. Batch: **15562**
 Analyst: *mm*
 Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Antimony	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	48.6	97.2	
Arsenic	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.9	99.0	
Barium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	200	199	100	
Beryllium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.6	92.0	
Cadmium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.4	88.0	
Chromium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	20.0	20.0	100	
Cobalt	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.8	100	
Copper	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	25.0	25.1	100	
Lead	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	50.1	100	
Molybdenum	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.8	98.0	
Nickel	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.4	98.8	
Selenium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.9	98.0	
Silver	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	5.0	100	
Thallium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.9	99.0	
Vanadium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.1	98.2	
Zinc	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	50.8	102	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ277SA
 Client Sample ID: N/A
 ITS-SJ WO #: 9701179
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15563
 Analyst: *M*
 Supervisor: *AA*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Mercury	7471A	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.17	0.16	94.1	

COMMENTS:

970178 (16) (26) (18) (10/2)

Woodward-Clyde Consultants
 500 12th Street, Suite 100, Oakland, CA 94607-4014
 (510) 893-3600

Chain of Custody Record

PROJECT NO. **961163NB**

SAMPLERS: (Signature)
Serane Leaque

DATE TIME SAMPLE NUMBER

Sample Matrix (Soil, Water, Air)	ANALYSIS							Number of Containers
	EPA Method 8260	EPA Method 8270	EPA Method 8081	EPA Method 8150	EPA 805 TPA. gas	EPA 805 TPA. dissolved	EPA 805 TPA. metals	
S	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	1
W	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
W	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
W	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	1
W	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	7
S	X	X	X	X	X	X	X	1
S	X	X	X	X	X	X	X	7
W	X	X	X	X	X	X	X	7
W	X	X	X	X	X	X	X	4
W	X	X	X	X	X	X	X	4
W	X	X	X	X	X	X	X	7

REMARKS
 (Sample preservation, handling procedures, etc.)
 Please
 DeI WETE
 TCLP Metals
 * Analysis on
 hold depending
 on the results for Soil

** Metals: Filter
 & preserve.

CWET TTMET.
 TCLP LEAD

Questions
 Serane (510) 874 3184
 H. Ridley (510) 874 3125

6 coolers

TOTAL NUMBER OF CONTAINERS **69**

RELINQUISHED BY: (Signature) <i>Serane Leaque</i>	DATE/TIME 1/23/97 17:00	RECEIVED BY: (Signature) <i>Laura Olson</i>	DATE/TIME 1-24-97 11:35	RELINQUISHED BY: (Signature) <i>Laura Olson</i>	DATE/TIME 1/29/97 13:15	RECEIVED BY: (Signature)
METHOD OF SHIPMENT: Fed Ex	SHIPPED BY: (Signature) Mail	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME 4/24/97 13:15		

9701179 (26) (10/02) (16) (18)

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. **961163NB**

SAMPLERS: (Signature)
Jerome

ANALYSES

DATE	TIME	SAMPLE NUMBER	Sample Matrix (Soil, Water, Air)	ANALYSES							Number of Containers	REMARKS (Sample preservation, handling procedures, etc.)
				EPA Method 8260	EPA Method 8270	EPA Method 8081	EPA Method 8150 - Metals	EPA 8015 TH gas	EPA 8015 TH lead	EPA 8015 TH PCBs		
1/23/97		G-16	W	X	X	X	X	X	X	X	7	Please ** filter & preserve.
		G-11	W	X	X		X	X			4	
		G-6	W	X	X	X	X	X			6	
		G-5	W	X			X	X			3	
		G-8	W				X	X			1	
		G-10	W	X	X	X	X	X	X		8	
		G-14	W	X			X	X	X		3	
		G-9	W	X	X	X	X	X	X		8	
		TRIP BUNK	W	X	X	X	X	X	X		3	
		SE-2	S	X	X	X	X	X	X		1	

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TOTAL NUMBER OF CONTAINERS **60**

B² collers.

Question
H. Ridley (510) 874 3125
Jerome (510) 874 3186

RELINQUISHED BY: (Signature) <i>Jerome</i>	DATE/TIME 1/23/97 17:00	RECEIVED BY: (Signature) <i>Laura Chan</i>	RECEIVED BY: (Signature) <i>Laura Chan</i>	DATE/TIME 1/24/97 13:5	RECEIVED BY: (Signature)
METHOD OF SHIPMENT: <i>Fed Ex</i>	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME 1/24/97 13:5	



SAMPLE RECEIVING CHECKLIST			
Workorder Number: 9701179	Client Project ID: 961163NB	Quote Number:	
<i>Cooler</i>			
Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO	(N/A)
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO	(N/A)
Temperature of sample(s) within range? List temperatures of cooler(s): 5°, 6°, 6°, 5°, 5°, 6°, 6° Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	(YES)	NO	N/A
	IR -1	Temp Blank	_____
<i>Samples</i>			
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO	(N/A)
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested? Condition of containers: Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	(YES)	NO	
VOA containers received with zero headspace or bubbles < 6 mm?	(YES)	NO	N/A
Container labels complete? (ID, date, time, preservative)	(YES)	NO	N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	(YES)	NO	N/A
pH check of samples required at time of receipt? (volatiles checked at analysis) If YES, pH checked and recorded by: HH	(YES)	NO	
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	(YES)	NO	
Field blanks received with sample batch?	YES	NO	(N/A)
Trip blanks received with sample batch?	(YES)	NO	N/A
<i>Chain of Custody</i>			
Chain of custody form received with samples?	(YES)	NO	
Has it been filled out completely and in ink?	(YES)	NO	
Sample IDs on chain of custody form agree with labels?	(YES)	NO	
Number of containers on chain agree with number received?	YES	(NO)	
Analysis methods specified?	(YES)	NO	
Sampling date and time indicated?	YES	(NO)	
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(YES)	NO	
Turnaround time? Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: HHg Date: 01/24/97 Project Manager: [Signature] Date: 2/14/97



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

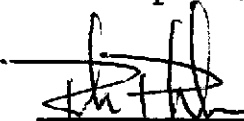
ANAMETRIX ID	CLIENT SAMPLE ID
9701178- 1	SG-1
9701178- 2	SG-4
9701178- 3	G-4
9701178- 4	SG-5
9701178- 5	SG-6
9701178- 6	SG-7
9701178- 7	G-7
9701178- 8	SG-9
9701178- 9	SG-15
9701178-10	SG-14
9701178-11	SG-13
9701178-12	SG-8
9701178-13	SG-10
9701178-14	SG-12
9701178-15	SG-11
9701178-16	G-12
9701178-17	SG-16
9701178-18	SS-2
9701178-19	SS-3
9701178-20	G-15

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.


Project Manager

2/14/97
Date

This report consists of 202 pages.



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	8270
9701178- 2	SG-4	SOIL	01/21/97	8270
9701178- 3	G-4	WATER	01/21/97	8270
9701178- 4	SG-5	SOIL	01/21/97	8270
9701178- 5	SG-6	SOIL	01/21/97	8270
9701178- 6	SG-7	SOIL	01/21/97	8270
9701178- 7	G-7	WATER	01/21/97	8270
9701178- 8	SG-9	SOIL	01/21/97	8270
9701178- 9	SG-15	SOIL	01/21/97	8270
9701178-10	SG-14	SOIL	01/22/97	8270
9701178-11	SG-13	SOIL	01/22/97	8270
9701178-12	SG-8	SOIL	01/22/97	8270
9701178-13	SG-10	SOIL	01/22/97	8270
9701178-14	SG-12	SOIL	01/22/97	8270
9701178-15	SG-11	SOIL	01/22/97	8270
9701178-16	G-12	WATER	01/22/97	8270
9701178-17	SG-16	SOIL	01/22/97	8270
9701178-18	SS-2	SOIL	01/22/97	8270
9701178-19	SS-3	SOIL	01/22/97	8270
9701178-20	G-15	WATER	01/22/97	8270
9701178- 1	SG-1	SOIL	01/21/97	S8260
9701178- 2	SG-4	SOIL	01/21/97	S8260

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701178
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GCMS
 Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 3	G-4	WATER	01/21/97	S8260
9701178- 4	SG-5	SOIL	01/21/97	S8260
9701178- 5	SG-6	SOIL	01/21/97	S8260
9701178- 6	SG-7	SOIL	01/21/97	S8260
9701178- 7	G-7	WATER	01/21/97	S8260
9701178- 8	SG-9	SOIL	01/21/97	S8260
9701178- 9	SG-15	SOIL	01/21/97	S8260
9701178-10	SG-14	SOIL	01/22/97	S8260
9701178-11	SG-13	SOIL	01/22/97	S8260
9701178-12	SG-8	SOIL	01/22/97	S8260
9701178-13	SG-10	SOIL	01/22/97	S8260
9701178-14	SG-12	SOIL	01/22/97	S8260
9701178-15	SG-11	SOIL	01/22/97	S8260
9701178-16	G-12	WATER	01/22/97	S8260
9701178-17	SG-16	SOIL	01/22/97	S8260
9701178-18	SS-2	SOIL	01/22/97	S8260
9701178-19	SS-3	SOIL	01/22/97	S8260
9701178-20	G-15	WATER	01/22/97	S8260

CASE NARRATIVE

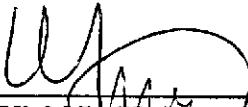
S.D.G. No. N/A

WORKORDER No. 9701178

QUALITY CONTROL PROBLEMS:

Semivolatiles

- All holding times have been met for the analyses reported in this section.
- Insufficient sample volume was available to perform matrix spike and matrix spike duplicate analyses for the water samples. Batch laboratory control sample and laboratory control sample duplicate analyses were performed instead.
- Samples SG-4, and SG-13 were extracted at a final volume of 5.0 ml, and samples SS-2, SG-15, SG-15MS, and SG-15MSD were extracted at a final volume of 10.0 ml.
- Due to the complex nature of the sample matrices, all samples were analyzed at 10-fold dilutions, except for sample G-7 that was analyzed at a concentrate; sample SG-4 that was analyzed at a 2-fold dilution; and samples SG-5, SG-11, and SG-16 that were analyzed at 5-fold dilutions. At these dilutions, the surrogate compounds were not recovered for samples SG-13, SG-15, SG-15MS, SG-15MSD, and SS-2. In addition, the spike compounds were not recovered for samples SG-15MS and SG-15MSD.
- Sample SG-5 had low recovery of internal standard perylene-d12 and was reanalyzed at a 5-fold dilution with similar results for perylene-d12, indicating a possible matrix effect. Both analyses are reported.
- Sample G-15 had a low recovery of surrogate terphenyl-d14 and was reanalyzed at a 10-fold dilution with similar results for terphenyl-d-14, indicating a possible matrix effect. Both analyses are reported.



Vicki L. Knight
GC/MS Supervisor

2-14-97

Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-1
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anametrix ID : 9701178-01
 Lab File ID : MTJ17801
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-1
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-01
 Lab File ID : MTJ17801
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-4
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 5 ml

Anamatrix ID : 9701178-02
 Lab File ID : MTJ17802
 % Moisture : _____
 Dilution Factor : 2.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-4
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 5 ml

Anamatrix ID : 9701178-02
 Lab File ID : MTJ17802
 % Moisture : _____
 Dilution Factor : 2.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo (a) anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo (b) fluoranthene	3300	ND	U
207-08-9	Benzo (k) fluoranthene	3300	ND	U
50-32-8	Benzo (a) pyrene	3300	ND	U
193-39-5	Indeno (1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz (a, h) anthracene	3300	ND	U
191-24-2	Benzo (g, h, i) perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-4
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/01/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-03
 Lab File ID : MPJ17803
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl)Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-4
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/01/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-03
 Lab File ID : MPJ17803
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo (a) anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo (b) fluoranthene	100	ND	U
207-08-9	Benzo (k) fluoranthene	100	ND	U
50-32-8	Benzo (a) pyrene	100	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	100	ND	U
53-70-3	Dibenz (a,h) anthracene	100	ND	U
191-24-2	Benzo (g,h,i) perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-5
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-04
 Lab File ID : MPJ17804
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-5
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-04
 Lab File ID : MPJ17804
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-5RE
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-04
 Lab File ID : MRJ17804
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-5RE
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/30/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-04
 Lab File ID : MRJ17804
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo (a) anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo (b) fluoranthene	1600	ND	U
207-08-9	Benzo (k) fluoranthene	1600	ND	U
50-32-8	Benzo (a) pyrene	1600	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	1600	ND	U
53-70-3	Dibenz (a,h) anthracene	1600	ND	U
191-24-2	Benzo (g,h,i) perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-6
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-05
 Lab File ID : MTJ17805
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-6
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-05
 Lab File ID : MTJ17805
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID : 961163NB
 Sample ID : SG-7
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-06
 Lab File ID : MPJ17806
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-7
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/31/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-06
 Lab File ID : MPJ17806
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-7
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-07
 Lab File ID : MPJ17807
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-7
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/30/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anametrix ID : 9701178-07
 Lab File ID : MPJ17807
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408) 432-8192

Project ID : 961163NB
 Sample ID : SG-9
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-08
 Lab File ID : MTJ17808
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-9
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-08
 Lab File ID : MTJ17808
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo (a) anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo (b) fluoranthene	3300	ND	U
207-08-9	Benzo (k) fluoranthene	3300	ND	U
50-32-8	Benzo (a) pyrene	3300	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	3300	ND	U
53-70-3	Dibenz (a,h) anthracene	3300	ND	U
191-24-2	Benzo (g,h,i) perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-15
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 10 ml

Anametrix ID : 9701178-09
 Lab File ID : MPJ17809
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	33000	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	33000	ND	U
95-57-8	2-Chlorophenol	33000	ND	U
541-73-1	1,3-Dichlorobenzene	33000	ND	U
106-46-7	1,4-Dichlorobenzene	33000	ND	U
95-50-1	1,2-Dichlorobenzene	33000	ND	U
95-48-7	2-Methylphenol	33000	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	33000	ND	U
106-44-5	4-Methylphenol	33000	ND	U
621-64-7	N-Nitroso-di-n-propylamine	33000	ND	U
67-72-1	Hexachloroethane	33000	ND	U
98-95-3	Nitrobenzene	33000	ND	U
78-59-1	Isophorone	33000	ND	U
88-75-5	2-Nitrophenol	33000	ND	U
105-67-9	2,4-Dimethylphenol	33000	ND	U
111-91-1	bis(2-Chloroethoxy)methane	33000	ND	U
120-83-2	2,4-Dichlorophenol	33000	ND	U
120-82-1	1,2,4-Trichlorobenzene	33000	ND	U
91-20-3	Naphthalene	33000	ND	U
106-47-8	4-Chloroaniline	33000	ND	U
87-68-3	Hexachlorobutadiene	33000	ND	U
59-50-7	4-Chloro-3-Methylphenol	33000	ND	U
91-57-6	2-Methylnaphthalene	33000	ND	U
77-47-4	Hexachlorocyclopentadiene	33000	ND	U
88-06-2	2,4,6-Trichlorophenol	33000	ND	U
95-95-4	2,4,5-Trichlorophenol	170000	ND	U
91-58-7	2-Chloronaphthalene	33000	ND	U
88-74-4	2-Nitroaniline	170000	ND	U
131-11-3	Dimethylphthalate	33000	ND	U
208-96-8	Acenaphthylene	33000	ND	U
606-20-2	2,6-Dinitrotoluene	33000	ND	U
99-09-2	3-Nitroaniline	170000	ND	U
83-32-9	Acenaphthene	33000	ND	U
51-28-5	2,4-Dinitrophenol	170000	ND	U
100-02-7	4-Nitrophenol	170000	ND	U
132-64-9	Dibenzofuran	33000	ND	U
121-14-2	2,4-Dinitrotoluene	33000	ND	U
84-66-2	Diethylphthalate	33000	ND	U
7005-72-3	4-Chlorophenyl-phenylether	33000	ND	U
86-73-7	Fluorene	33000	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-15
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-09
 Lab File ID : MPJ17809
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	170000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	170000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	33000	ND	U
101-55-3	4-Bromophenyl-phenylether	33000	ND	U
118-74-1	Hexachlorobenzene	33000	ND	U
87-86-5	Pentachlorophenol	33000	ND	U
85-01-8	Phenanthrene	33000	ND	U
120-12-7	Anthracene	33000	ND	U
84-74-2	Di-n-butylphthalate	33000	ND	U
206-44-0	Fluoranthene	33000	ND	U
129-00-0	Pyrene	33000	ND	U
85-68-7	Butylbenzylphthalate	33000	ND	U
91-94-1	3,3'-Dichlorobenzidine	66000	ND	U
56-55-3	Benzo(a)anthracene	33000	ND	U
218-01-9	Chrysene	33000	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	66000	ND	U
117-84-0	Di-n-octylphthalate	33000	ND	U
205-99-2	Benzo(b)fluoranthene	33000	ND	U
207-08-9	Benzo(k)fluoranthene	33000	ND	U
50-32-8	Benzo(a)pyrene	33000	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	33000	ND	U
53-70-3	Dibenz(a,h)anthracene	33000	ND	U
191-24-2	Benzo(g,h,i)perylene	33000	ND	U
100-51-6	Benzyl Alcohol	33000	ND	U
65-85-0	Benzoic Acid	170000	ND	U
62-75-9	N-Nitrosodimethylamine	33000	ND	U
103-33-3	Azobenzene	33000	ND	U
92-87-5	Benzidine	33000	ND	U
4165-61-1	Aniline	33000	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-14
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract : 1 ml

Anamatrix ID : 9701178-10
 Lab File ID : MPJ17810

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-14
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-10
 Lab File ID : MPJ17810
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo (a) anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo (b) fluoranthene	3300	ND	U
207-08-9	Benzo (k) fluoranthene	3300	ND	U
50-32-8	Benzo (a) pyrene	3300	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	3300	ND	U
53-70-3	Dibenz (a,h) anthracene	3300	ND	U
191-24-2	Benzo (g,h,i) perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-13
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 5 ml

Anamatrix ID : 9701178-11
 Lab File ID : MPJ17811
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	16000	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	16000	ND	U
95-57-8	2-Chlorophenol	16000	ND	U
541-73-1	1,3-Dichlorobenzene	16000	ND	U
106-46-7	1,4-Dichlorobenzene	16000	ND	U
95-50-1	1,2-Dichlorobenzene	16000	ND	U
95-48-7	2-Methylphenol	16000	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	16000	ND	U
106-44-5	4-Methylphenol	16000	ND	U
621-64-7	N-Nitroso-di-n-propylamine	16000	ND	U
67-72-1	Hexachloroethane	16000	ND	U
98-95-3	Nitrobenzene	16000	ND	U
78-59-1	Isophorone	16000	ND	U
88-75-5	2-Nitrophenol	16000	ND	U
105-67-9	2,4-Dimethylphenol	16000	ND	U
111-91-1	bis(2-Chloroethoxy)methane	16000	ND	U
120-83-2	2,4-Dichlorophenol	16000	ND	U
120-82-1	1,2,4-Trichlorobenzene	16000	ND	U
91-20-3	Naphthalene	16000	ND	U
106-47-8	4-Chloroaniline	16000	ND	U
87-68-3	Hexachlorobutadiene	16000	ND	U
59-50-7	4-Chloro-3-Methylphenol	16000	ND	U
91-57-6	2-Methylnaphthalene	16000	ND	U
77-47-4	Hexachlorocyclopentadiene	16000	ND	U
88-06-2	2,4,6-Trichlorophenol	16000	ND	U
95-95-4	2,4,5-Trichlorophenol	85000	ND	U
91-58-7	2-Chloronaphthalene	16000	ND	U
88-74-4	2-Nitroaniline	85000	ND	U
131-11-3	Dimethylphthalate	16000	ND	U
208-96-8	Acenaphthylene	16000	ND	U
606-20-2	2,6-Dinitrotoluene	16000	ND	U
99-09-2	3-Nitroaniline	85000	ND	U
83-32-9	Acenaphthene	16000	ND	U
51-28-5	2,4-Dinitrophenol	85000	ND	U
100-02-7	4-Nitrophenol	85000	ND	U
132-64-9	Dibenzofuran	16000	ND	U
121-14-2	2,4-Dinitrotoluene	16000	ND	U
84-66-2	Diethylphthalate	16000	ND	U
7005-72-3	4-Chlorophenyl-phenylether	16000	ND	U
86-73-7	Fluorene	16000	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-13
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.1
 Volume of Final Extract: 5 ml

Anamatrix ID : 9701178-11
 Lab File ID : MPJ17811
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	85000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	85000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	16000	ND	U
101-55-3	4-Bromophenyl-phenylether	16000	ND	U
118-74-1	Hexachlorobenzene	16000	ND	U
87-86-5	Pentachlorophenol	16000	ND	U
85-01-8	Phenanthrene	16000	ND	U
120-12-7	Anthracene	16000	ND	U
84-74-2	Di-n-butylphthalate	16000	ND	U
206-44-0	Fluoranthene	16000	ND	U
129-00-0	Pyrene	16000	ND	U
85-68-7	Butylbenzylphthalate	16000	ND	U
91-94-1	3,3'-Dichlorobenzidine	33000	ND	U
56-55-3	Benzo(a)anthracene	16000	ND	U
218-01-9	Chrysene	16000	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	33000	ND	U
117-84-0	Di-n-octylphthalate	16000	ND	U
205-99-2	Benzo(b)fluoranthene	16000	ND	U
207-08-9	Benzo(k)fluoranthene	16000	ND	U
50-32-8	Benzo(a)pyrene	16000	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	16000	ND	U
53-70-3	Dibenz(a,h)anthracene	16000	ND	U
191-24-2	Benzo(g,h,i)perylene	16000	ND	U
100-51-6	Benzyl Alcohol	16000	ND	U
65-85-0	Benzoic Acid	85000	ND	U
62-75-9	N-Nitrosodimethylamine	16000	ND	U
103-33-3	Azobenzene	16000	ND	U
92-87-5	Benzidine	16000	ND	U
4165-61-1	Aniline	16000	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-12
 Lab File ID : MPJ17812

% Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-12
 Lab File ID : MPJ17812
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-10
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-13
 Lab File ID : MPJ17813
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-10
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-13
 Lab File ID : MPJ17813
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-12
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-14
 Lab File ID : MPJ17814
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-12
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-14
 Lab File ID : MPJ17814
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-11
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-15
 Lab File ID : MPJ17815
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-11
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-15
 Lab File ID : MPJ17815
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-12
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/01/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-16
 Lab File ID : MPJ17816
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-12
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/01/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-16
 Lab File ID : MPJ17816
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo (a) anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo (b) fluoranthene	100	ND	U
207-08-9	Benzo (k) fluoranthene	100	ND	U
50-32-8	Benzo (a) pyrene	100	ND	U
193-39-5	Indeno (1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz (a,h) anthracene	100	ND	U
191-24-2	Benzo (g,h,i) perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-16
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-17
 Lab File ID : MPJ17817
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-16
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-17
 Lab File ID : MPJ17817
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-2
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-18
 Lab File ID : MRJ17818
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	33000	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	33000	ND	U
95-57-8	2-Chlorophenol	33000	ND	U
541-73-1	1,3-Dichlorobenzene	33000	ND	U
106-46-7	1,4-Dichlorobenzene	33000	ND	U
95-50-1	1,2-Dichlorobenzene	33000	ND	U
95-48-7	2-Methylphenol	33000	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	33000	ND	U
106-44-5	4-Methylphenol	33000	ND	U
621-64-7	N-Nitroso-di-n-propylamine	33000	ND	U
67-72-1	Hexachloroethane	33000	ND	U
98-95-3	Nitrobenzene	33000	ND	U
78-59-1	Isophorone	33000	ND	U
88-75-5	2-Nitrophenol	33000	ND	U
105-67-9	2,4-Dimethylphenol	33000	ND	U
111-91-1	bis(2-Chloroethoxy)methane	33000	ND	U
120-83-2	2,4-Dichlorophenol	33000	ND	U
120-82-1	1,2,4-Trichlorobenzene	33000	ND	U
91-20-3	Naphthalene	33000	ND	U
106-47-8	4-Chloroaniline	33000	ND	U
87-68-3	Hexachlorobutadiene	33000	ND	U
59-50-7	4-Chloro-3-Methylphenol	33000	ND	U
91-57-6	2-Methylnaphthalene	33000	ND	U
77-47-4	Hexachlorocyclopentadiene	33000	ND	U
88-06-2	2,4,6-Trichlorophenol	33000	ND	U
95-95-4	2,4,5-Trichlorophenol	170000	ND	U
91-58-7	2-Chloronaphthalene	33000	ND	U
88-74-4	2-Nitroaniline	170000	ND	U
131-11-3	Dimethylphthalate	33000	ND	U
208-96-8	Acenaphthylene	33000	ND	U
606-20-2	2,6-Dinitrotoluene	33000	ND	U
99-09-2	3-Nitroaniline	170000	ND	U
83-32-9	Acenaphthene	33000	ND	U
51-28-5	2,4-Dinitrophenol	170000	ND	U
100-02-7	4-Nitrophenol	170000	ND	U
132-64-9	Dibenzofuran	33000	ND	U
121-14-2	2,4-Dinitrotoluene	33000	ND	U
84-66-2	Diethylphthalate	33000	ND	U
7005-72-3	4-Chlorophenyl-phenylether	33000	ND	U
86-73-7	Fluorene	33000	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-2
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 10 ml

Anametrix ID : 9701178-18
 Lab File ID : MRJ17818
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	170000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	170000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	33000	ND	U
101-55-3	4-Bromophenyl-phenylether	33000	ND	U
118-74-1	Hexachlorobenzene	33000	ND	U
87-86-5	Pentachlorophenol	33000	ND	U
85-01-8	Phenanthrene	33000	ND	U
120-12-7	Anthracene	33000	ND	U
84-74-2	Di-n-butylphthalate	33000	ND	U
206-44-0	Fluoranthene	33000	ND	U
129-00-0	Pyrene	33000	ND	U
85-68-7	Butylbenzylphthalate	33000	ND	U
91-94-1	3,3'-Dichlorobenzidine	66000	ND	U
56-55-3	Benzo(a)anthracene	33000	ND	U
218-01-9	Chrysene	33000	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	66000	ND	U
117-84-0	Di-n-octylphthalate	33000	ND	U
205-99-2	Benzo(b)fluoranthene	33000	ND	U
207-08-9	Benzo(k)fluoranthene	33000	ND	U
50-32-8	Benzo(a)pyrene	33000	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	33000	ND	U
53-70-3	Dibenz(a,h)anthracene	33000	ND	U
191-24-2	Benzo(g,h,i)perylene	33000	ND	U
100-51-6	Benzyl Alcohol	33000	ND	U
65-85-0	Benzoic Acid	170000	ND	U
62-75-9	N-Nitrosodimethylamine	33000	ND	U
103-33-3	Azobenzene	33000	ND	U
92-87-5	Benzidine	33000	ND	U
4165-61-1	Aniline	33000	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-3
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-19
 Lab File ID : MPJ17819
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-3
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-19
 Lab File ID : MPJ17819
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo (a) anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo (b) fluoranthene	3300	ND	U
207-08-9	Benzo (k) fluoranthene	3300	ND	U
50-32-8	Benzo (a) pyrene	3300	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	3300	ND	U
53-70-3	Dibenz (a,h) anthracene	3300	ND	U
191-24-2	Benzo (g,h,i) perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-15
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-20
 Lab File ID : MPJ17820
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	UU
95-57-8	2-Chlorophenol	100	ND	UU
541-73-1	1,3-Dichlorobenzene	100	ND	UU
106-46-7	1,4-Dichlorobenzene	100	ND	UU
95-50-1	1,2-Dichlorobenzene	100	ND	UU
95-48-7	2-Methylphenol	100	ND	UU
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	UU
106-44-5	4-Methylphenol	100	ND	UU
621-64-7	N-Nitroso-di-n-propylamine	100	ND	UU
67-72-1	Hexachloroethane	100	ND	UU
98-95-3	Nitrobenzene	100	ND	UU
78-59-1	Isophorone	100	ND	UU
88-75-5	2-Nitrophenol	100	ND	UU
105-67-9	2,4-Dimethylphenol	100	ND	UU
111-91-1	bis(2-Chloroethoxy)methane	100	ND	UU
120-83-2	2,4-Dichlorophenol	100	ND	UU
120-82-1	1,2,4-Trichlorobenzene	100	ND	UU
91-20-3	Naphthalene	100	ND	UU
106-47-8	4-Chloroaniline	100	ND	UU
87-68-3	Hexachlorobutadiene	100	ND	UU
59-50-7	4-Chloro-3-Methylphenol	100	ND	UU
91-57-6	2-Methylnaphthalene	100	ND	UU
77-47-4	Hexachlorocyclopentadiene	100	ND	UU
88-06-2	2,4,6-Trichlorophenol	100	ND	UU
95-95-4	2,4,5-Trichlorophenol	500	ND	UU
91-58-7	2-Chloronaphthalene	100	ND	UU
88-74-4	2-Nitroaniline	500	ND	UU
131-11-3	Dimethylphthalate	100	ND	UU
208-96-8	Acenaphthylene	100	ND	UU
606-20-2	2,6-Dinitrotoluene	100	ND	UU
99-09-2	3-Nitroaniline	500	ND	UU
83-32-9	Acenaphthene	100	ND	UU
51-28-5	2,4-Dinitrophenol	500	ND	UU
100-02-7	4-Nitrophenol	500	ND	UU
132-64-9	Dibenzofuran	100	ND	UU
121-14-2	2,4-Dinitrotoluene	100	ND	UU
84-66-2	Diethylphthalate	100	ND	UU
7005-72-3	4-Chlorophenyl-phenylether	100	ND	UU
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-15
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-20
 Lab File ID : MPJ17820
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-15RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-20
 Lab File ID : MRJ17820
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	100	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	100	ND	U
95-57-8	2-Chlorophenol	100	ND	U
541-73-1	1,3-Dichlorobenzene	100	ND	U
106-46-7	1,4-Dichlorobenzene	100	ND	U
95-50-1	1,2-Dichlorobenzene	100	ND	U
95-48-7	2-Methylphenol	100	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	ND	U
106-44-5	4-Methylphenol	100	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100	ND	U
67-72-1	Hexachloroethane	100	ND	U
98-95-3	Nitrobenzene	100	ND	U
78-59-1	Isophorone	100	ND	U
88-75-5	2-Nitrophenol	100	ND	U
105-67-9	2,4-Dimethylphenol	100	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100	ND	U
120-83-2	2,4-Dichlorophenol	100	ND	U
120-82-1	1,2,4-Trichlorobenzene	100	ND	U
91-20-3	Naphthalene	100	ND	U
106-47-8	4-Chloroaniline	100	ND	U
87-68-3	Hexachlorobutadiene	100	ND	U
59-50-7	4-Chloro-3-Methylphenol	100	ND	U
91-57-6	2-Methylnaphthalene	100	ND	U
77-47-4	Hexachlorocyclopentadiene	100	ND	U
88-06-2	2,4,6-Trichlorophenol	100	ND	U
95-95-4	2,4,5-Trichlorophenol	500	ND	U
91-58-7	2-Chloronaphthalene	100	ND	U
88-74-4	2-Nitroaniline	500	ND	U
131-11-3	Dimethylphthalate	100	ND	U
208-96-8	Acenaphthylene	100	ND	U
606-20-2	2,6-Dinitrotoluene	100	ND	U
99-09-2	3-Nitroaniline	500	ND	U
83-32-9	Acenaphthene	100	ND	U
51-28-5	2,4-Dinitrophenol	500	ND	U
100-02-7	4-Nitrophenol	500	ND	U
132-64-9	Dibenzofuran	100	ND	U
121-14-2	2,4-Dinitrotoluene	100	ND	U
84-66-2	Diethylphthalate	100	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100	ND	U
86-73-7	Fluorene	100	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-15RE
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701178-20
 Lab File ID : MRJ17820
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	100	ND	U
101-55-3	4-Bromophenyl-phenylether	100	ND	U
118-74-1	Hexachlorobenzene	100	ND	U
87-86-5	Pentachlorophenol	100	ND	U
85-01-8	Phenanthrene	100	ND	U
120-12-7	Anthracene	100	ND	U
84-74-2	Di-n-butylphthalate	100	ND	U
206-44-0	Fluoranthene	100	ND	U
129-00-0	Pyrene	100	ND	U
85-68-7	Butylbenzylphthalate	100	ND	U
91-94-1	3,3'-Dichlorobenzidine	200	ND	U
56-55-3	Benzo(a)anthracene	100	ND	U
218-01-9	Chrysene	100	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	ND	U
117-84-0	Di-n-octylphthalate	100	ND	U
205-99-2	Benzo(b)fluoranthene	100	ND	U
207-08-9	Benzo(k)fluoranthene	100	ND	U
50-32-8	Benzo(a)pyrene	100	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	ND	U
53-70-3	Dibenz(a,h)anthracene	100	ND	U
191-24-2	Benzo(g,h,i)perylene	100	ND	U
100-51-6	Benzyl Alcohol	100	ND	U
65-85-0	Benzoic Acid	500	ND	U
62-75-9	N-Nitrosodimethylamine	100	ND	U
103-33-3	Azobenzene	100	ND	U
92-87-5	Benzidine	100	ND	U
4165-61-1	Aniline	100	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKA1
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/26/97
 Amount Extracted : 1000 mL
 Date Analyzed : 01/29/97
 Instrument ID : msd5.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ2611B1
 Lab File ID : BJ2611B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	UU
95-57-8	2-Chlorophenol	10	ND	UU
541-73-1	1,3-Dichlorobenzene	10	ND	UU
106-46-7	1,4-Dichlorobenzene	10	ND	UU
95-50-1	1,2-Dichlorobenzene	10	ND	UU
95-48-7	2-Methylphenol	10	ND	UU
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	UU
106-44-5	4-Methylphenol	10	ND	UU
621-64-7	N-Nitroso-di-n-propylamine	10	ND	UU
67-72-1	Hexachloroethane	10	ND	UU
98-95-3	Nitrobenzene	10	ND	UU
78-59-1	Isophorone	10	ND	UU
88-75-5	2-Nitrophenol	10	ND	UU
105-67-9	2,4-Dimethylphenol	10	ND	UU
111-91-1	bis(2-Chloroethoxy)methane	10	ND	UU
120-83-2	2,4-Dichlorophenol	10	ND	UU
120-82-1	1,2,4-Trichlorobenzene	10	ND	UU
91-20-3	Naphthalene	10	ND	UU
106-47-8	4-Chloroaniline	10	ND	UU
87-68-3	Hexachlorobutadiene	10	ND	UU
59-50-7	4-Chloro-3-Methylphenol	10	ND	UU
91-57-6	2-Methylnaphthalene	10	ND	UU
77-47-4	Hexachlorocyclopentadiene	10	ND	UU
88-06-2	2,4,6-Trichlorophenol	10	ND	UU
95-95-4	2,4,5-Trichlorophenol	50	ND	UU
91-58-7	2-Chloronaphthalene	10	ND	UU
88-74-4	2-Nitroaniline	50	ND	UU
131-11-3	Dimethylphthalate	10	ND	UU
208-96-8	Acenaphthylene	10	ND	UU
606-20-2	2,6-Dinitrotoluene	10	ND	UU
99-09-2	3-Nitroaniline	50	ND	UU
83-32-9	Acenaphthene	10	ND	UU
51-28-5	2,4-Dinitrophenol	50	ND	UU
100-02-7	4-Nitrophenol	50	ND	UU
132-64-9	Dibenzofuran	10	ND	UU
121-14-2	2,4-Dinitrotoluene	10	ND	UU
84-66-2	Diethylphthalate	10	ND	UU
7005-72-3	4-Chlorophenyl-phenylether	10	ND	UU
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB	Anametrix ID : BJ2611B1
Sample ID : SBLKA1	Lab File ID : BJ2611B1
Matrix : WATER	
Date Sampled :	
Date Extracted : 01/26/97	
Amount Extracted : 1000 mL	% Moisture : _____
Date Analyzed : 01/29/97	Dilution Factor : _____ 1.0
Instrument ID : msd5.i	Conc. Units : ug/L
Volume of Final Extract: 1 ml	

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzdine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H1B1
 Lab File ID : BJ28H1B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	330	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	330	ND	U
95-57-8	2-Chlorophenol	330	ND	U
541-73-1	1,3-Dichlorobenzene	330	ND	U
106-46-7	1,4-Dichlorobenzene	330	ND	U
95-50-1	1,2-Dichlorobenzene	330	ND	U
95-48-7	2-Methylphenol	330	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	ND	U
106-44-5	4-Methylphenol	330	ND	U
621-64-7	N-Nitroso-di-n-propylamine	330	ND	U
67-72-1	Hexachloroethane	330	ND	U
98-95-3	Nitrobenzene	330	ND	U
78-59-1	Isophorone	330	ND	U
88-75-5	2-Nitrophenol	330	ND	U
105-67-9	2,4-Dimethylphenol	330	ND	U
111-91-1	bis(2-Chloroethoxy)methane	330	ND	U
120-83-2	2,4-Dichlorophenol	330	ND	U
120-82-1	1,2,4-Trichlorobenzene	330	ND	U
91-20-3	Naphthalene	330	ND	U
106-47-8	4-Chloroaniline	330	ND	U
87-68-3	Hexachlorobutadiene	330	ND	U
59-50-7	4-Chloro-3-Methylphenol	330	ND	U
91-57-6	2-Methylnaphthalene	330	ND	U
77-47-4	Hexachlorocyclopentadiene	330	ND	U
88-06-2	2,4,6-Trichlorophenol	330	ND	U
95-95-4	2,4,5-Trichlorophenol	1700	ND	U
91-58-7	2-Chloronaphthalene	330	ND	U
88-74-4	2-Nitroaniline	1700	ND	U
131-11-3	Dimethylphthalate	330	ND	U
208-96-8	Acenaphthylene	330	ND	U
606-20-2	2,6-Dinitrotoluene	330	ND	U
99-09-2	3-Nitroaniline	1700	ND	U
83-32-9	Acenaphthene	330	ND	U
51-28-5	2,4-Dinitrophenol	1700	ND	U
100-02-7	4-Nitrophenol	1700	ND	U
132-64-9	Dibenzofuran	330	ND	U
121-14-2	2,4-Dinitrotoluene	330	ND	U
84-66-2	Diethylphthalate	330	ND	U
7005-72-3	4-Chlorophenyl-phenylether	330	ND	U
86-73-7	Fluorene	330	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H1B1
 Lab File ID : BJ28H1B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	1700	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	ND	U
86-30-6	N-nitrosodiphenylamine (1)	330	ND	U
101-55-3	4-Bromophenyl-phenylether	330	ND	U
118-74-1	Hexachlorobenzene	330	ND	U
87-86-5	Pentachlorophenol	330	ND	U
85-01-8	Phenanthrene	330	ND	U
120-12-7	Anthracene	330	ND	U
84-74-2	Di-n-butylphthalate	330	ND	U
206-44-0	Fluoranthene	330	ND	U
129-00-0	Pyrene	330	ND	U
85-68-7	Butylbenzylphthalate	330	ND	U
91-94-1	3,3'-Dichlorobenzidine	660	ND	U
56-55-3	Benzo (a) anthracene	330	ND	U
218-01-9	Chrysene	330	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	ND	U
117-84-0	Di-n-octylphthalate	330	ND	U
205-99-2	Benzo (b) fluoranthene	330	ND	U
207-08-9	Benzo (k) fluoranthene	330	ND	U
50-32-8	Benzo (a) pyrene	330	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	330	ND	U
53-70-3	Dibenz (a,h) anthracene	330	ND	U
191-24-2	Benzo (g,h,i) perylene	330	ND	U
100-51-6	Benzyl Alcohol	330	ND	U
65-85-0	Benzoic Acid	1700	ND	U
62-75-9	N-Nitrosodimethylamine	330	ND	U
103-33-3	Azobenzene	330	ND	U
92-87-5	Benzidine	330	ND	U
4165-61-1	Aniline	330	ND	U

(1) - Cannot be separated from Diphenylamine

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701178
 Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKM2	65	43	58	61	71	67	59	80	0
02	SLCSM2	72	68	73	70	70	71	67	83	0
03	SLCSDM2	78	74	79	77	72	77	72	86	0
04	SG-5	84	44	67	80	127	87	73	93	0
05	SG-5RE	84	44	67	79	127	87	73	96	0
06	SG-7	82	78	77	84	106	84	77	98	0
07	SS-3	86	60	58	77	89	88	76	73	0
08	SG-12	75	28	45	60	83	82	68	73	0
09	SG-14	98	79	69	91	92	98	88	76	0
10	SG-9	84	56	57	84	101	89	72	82	0
11	SG-4	93	72	68	93	108	95	79	84	0
12	SG-1	92	68	69	92	112	94	80	78	0
13	SG-6	104	83	74	97	116	101	92	86	0
14	SG-15	0D	0D	0D	0D	0D	0D	0D	0D	0
15	SG-15MS	0D	0D	0D	0D	0D	0D	0D	0D	0
16	SG-15MSD	0D	0D	0D	0D	0D	0D	0D	0D	0
17	SG-11	77	35	59	61	82	83	73	87	0
18	SG-16	81	44	59	70	87	88	77	96	0
19	SG-13	0D	0D	0D	0D	0D	0D	0D	0D	0
20	SG-8	83	52	55	76	78	86	70	85	0
21	SG-10	89	66	64	86	86	92	79	90	0
22	SS-2	0D	0D	0D	0D	0D	0D	0D	0D	0
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (23-120)
 S4 (FBP) = 2-Fluorobiphenyl (30-115)
 S5 (TPH) = Terphenyl-d14 (18-137)
 S6 (PHL) = Phenol-d5 (24-113)
 S7 (2FP) = 2-Fluorophenol (25-121)
 S8 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701178

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKA1	82	77	82	75	88	82	70	90	0
02	SLCSA1	77	77	79	74	85	80	65	91	0
03	SLCSDA1	78	76	78	75	85	82	68	93	0
04	G-7	64	67	72	73	41	67	46	88	0
05	G-4	60	70	62	70	45	55	34	81	0
06	G-12	59	69	58	76	57	54	34	100	0
07	G-15	83	73	71	59	20*	66	49	56	0
08	G-15RE	81	80	71	57	20*	67	48	63	0
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (35-114)
 S4 (FBP) = 2-Fluorobiphenyl (43-116)
 S5 (TPH) = Terphenyl-d14 (33-141)
 S6 (PHL) = Phenol-d5 (10- 94)
 S7 (2FP) = 2-Fluorophenol (21-100)
 S8 (TBP) = 2,4,6-Tribromophenol (10-123)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-15
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/28/97
 Date Analyzed : 02/05/97
 Instrument ID : msd4.i

Anamatrix ID : 9701178-09

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	0.0	0.0	0.0		14-118
2-Chlorophenol	0.0	0.0	0.0		31-113
1,4-Dichlorobenzene	0.0	0.0	0.0		32-125
N-Nitroso-di-n-prop. (1)	0.0	0.0	0.0		32-129
1,2,4-Trichlorobenzene	0.0	0.0	0.0		29-150
4-Chloro-3-Methylphenol	0.0	0.0	0.0		32-104
Acenaphthene	0.0	0.0	0.0		29-139
4-Nitrophenol	0.0	0.0	0.0		33-114
2,4-Dinitrotoluene	0.0	0.0	0.0		34-115
Pentachlorophenol	0.0	0.0	0.0		20-126
Pyrene	0.0	0.0	0.0		28-143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Phenol	0.0	0.0			14-118
2-Chlorophenol	0.0	0.0			31-113
1,4-Dichlorobenzene	0.0	0.0			32-125
N-Nitroso-di-n-prop. (1)	0.0	0.0			32-129
1,2,4-Trichlorobenzene	0.0	0.0			29-150
4-Chloro-3-Methylphenol	0.0	0.0			32-104
Acenaphthene	0.0	0.0			29-139
4-Nitrophenol	0.0	0.0			33-114
2,4-Dinitrotoluene	0.0	0.0			34-115
Pentachlorophenol	0.0	0.0			20-126
Pyrene	0.0	0.0			28-143

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKA1
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/26/97
 Prep. Batch ID : 1sj26x21
 Date Analyzed : 01/29/97
 Instrument ID : msd5.i

Lab File ID : MJ2611B1/NJ2611B1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75	0.0	51	68	22- 96
2-Chlorophenol	75	0.0	55	73	21- 96
1,4-Dichlorobenzene	50	0.0	36	72	17- 88
N-Nitroso-di-n-prop. (1)	50	0.0	45	90	19- 98
1,2,4-Trichlorobenzene	50	0.0	38	76	18- 92
4-Chloro-3-Methylphenol	75	0.0	62	83	21-103
Acenaphthene	50	0.0	40	80	24-132
4-Nitrophenol	75	0.0	67	89	22-122
2,4-Dinitrotoluene	50	0.0	43	86	30-114
Pentachlorophenol	75	0.0	58	77	16-141
Pyrene	50	0.0	44	88	30-133

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	75	53	71	4	30	22- 96
2-Chlorophenol	75	58	77	5	30	21- 96
1,4-Dichlorobenzene	50	36	72	0	30	17- 88
N-Nitroso-di-n-prop. (1)	50	45	90	0	30	19- 98
1,2,4-Trichlorobenzene	50	38	76	0	30	18- 92
4-Chloro-3-Methylphenol	75	62	83	0	30	21-103
Acenaphthene	50	41	82	2	30	24-132
4-Nitrophenol	75	72	96	8	30	22-122
2,4-Dinitrotoluene	50	44	88	2	30	30-114
Pentachlorophenol	75	57	76	1	30	16-141
Pyrene	50	46	92	4	30	30-133

(1) N-Nitroso-di-n-propylamine
 # Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKM2
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/96
 Prep. Batch ID : hdj28x41
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i

Lab File ID : MJ28H1B1/NJ28H1B1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500	0.0	1600	64	34-114
2-Chlorophenol	2500	0.0	1800	72	41-111
1,4-Dichlorobenzene	1700	0.0	1100	65	39-100
N-Nitroso-di-n-prop. (1)	1700	0.0	1200	70	27-105
1,2,4-Trichlorobenzene	1700	0.0	1200	70	40-119
4-Chloro-3-Methylphenol	2500	0.0	2000	80	40-126
Acenaphthene	1700	0.0	1200	70	42-111
4-Nitrophenol	2500	0.0	2300	92	25-145
2,4-Dinitrotoluene	1700	0.0	1300	76	44-128
Pentachlorophenol	2500	0.0	2200	88	45-144
Pyrene	1700	0.0	1300	76	39-129

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	2500	1700	68	6	30	34-114
2-Chlorophenol	2500	1900	76	5	30	41-111
1,4-Dichlorobenzene	1700	1100	65	0	30	39-100
N-Nitroso-di-n-prop. (1)	1700	1300	76	8	30	27-105
1,2,4-Trichlorobenzene	1700	1300	76	8	30	40-119
4-Chloro-3-Methylphenol	2500	2100	84	5	30	40-126
Acenaphthene	1700	1200	70	0	30	42-111
4-Nitrophenol	2500	2300	92	0	30	25-145
2,4-Dinitrotoluene	1700	1300	76	0	30	44-128
Pentachlorophenol	2500	2200	88	0	30	45-144
Pyrene	1700	1300	76	0	30	39-129

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "***" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "***" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408) 432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	8270
9701178- 2	SG-4	SOIL	01/21/97	8270
9701178- 3	G-4	WATER	01/21/97	8270
9701178- 4	SG-5	SOIL	01/21/97	8270
9701178- 5	SG-6	SOIL	01/21/97	8270
9701178- 6	SG-7	SOIL	01/21/97	8270
9701178- 7	G-7	WATER	01/21/97	8270
9701178- 8	SG-9	SOIL	01/21/97	8270
9701178- 9	SG-15	SOIL	01/21/97	8270
9701178-10	SG-14	SOIL	01/22/97	8270
9701178-11	SG-13	SOIL	01/22/97	8270
9701178-12	SG-8	SOIL	01/22/97	8270
9701178-13	SG-10	SOIL	01/22/97	8270
9701178-14	SG-12	SOIL	01/22/97	8270
9701178-15	SG-11	SOIL	01/22/97	8270
9701178-16	G-12	WATER	01/22/97	8270
9701178-17	SG-16	SOIL	01/22/97	8270
9701178-18	SS-2	SOIL	01/22/97	8270
9701178-19	SS-3	SOIL	01/22/97	8270
9701178-20	G-15	WATER	01/22/97	8270
9701178- 1	SG-1	SOIL	01/21/97	S8260
9701178- 2	SG-4	SOIL	01/21/97	S8260

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 3	G-4	WATER	01/21/97	S8260
9701178- 4	SG-5	SOIL	01/21/97	S8260
9701178- 5	SG-6	SOIL	01/21/97	S8260
9701178- 6	SG-7	SOIL	01/21/97	S8260
9701178- 7	G-7	WATER	01/21/97	S8260
9701178- 8	SG-9	SOIL	01/21/97	S8260
9701178- 9	SG-15	SOIL	01/21/97	S8260
9701178-10	SG-14	SOIL	01/22/97	S8260
9701178-11	SG-13	SOIL	01/22/97	S8260
9701178-12	SG-8	SOIL	01/22/97	S8260
9701178-13	SG-10	SOIL	01/22/97	S8260
9701178-14	SG-12	SOIL	01/22/97	S8260
9701178-15	SG-11	SOIL	01/22/97	S8260
9701178-16	G-12	WATER	01/22/97	S8260
9701178-17	SG-16	SOIL	01/22/97	S8260
9701178-18	SS-2	SOIL	01/22/97	S8260
9701178-19	SS-3	SOIL	01/22/97	S8260
9701178-20	G-15	WATER	01/22/97	S8260

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701178

QUALITY CONTROL PROBLEMS:

Volatiles

- All holding times have been met for the analyses reported in this section.
- Sample G-4 had low recoveries of surrogates 1,2-dichloroethane-d4 and toluene-d8 and low recovery of internal standard 1,4-difluorobenzene. This sample was reanalyzed with similar results for surrogates 1,2-dichloroethane-d4 and toluene-d8 and for internal standard 1,4-difluorobenzene, indicating a possible matrix effect. Both analyses are reported.



Vicki L. Knight
GC/MS Supervisor

2-7-97

Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-1
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-01
 Lab File ID : MPJ17801
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-4
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-02
 Lab File ID : MPJ17802
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-4
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Anamatrix ID : 9701178-03
 Lab File ID : MPJ17803
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-4RE
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Anamatrix ID : 9701178-03
 Lab File ID : MRJ17803
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-5
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-04
 Lab File ID : MPJ17804
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	UU
75-01-4	Vinyl Chloride	10	ND	UUU
75-00-3	Chloroethane	10	ND	UUUU
75-09-2	Methylene Chloride	5	ND	UUUUU
67-64-1	Acetone	20	ND	UUUUUU
75-15-0	Carbon Disulfide	5	ND	UUUUUUU
75-35-4	1,1-Dichloroethene	5	ND	UUUUUUUU
75-34-3	1,1-Dichloroethane	5	ND	UUUUUUUUU
156-59-2	Cis-1,2-Dichloroethene	5	ND	UUUUUUUUU
67-66-3	Chloroform	5	ND	UUUUUUUUU
107-06-2	1,2-Dichloroethane	5	ND	UUUUUUUUU
78-93-3	2-Butanone	20	ND	UUUUUUUUU
71-55-6	1,1,1-Trichloroethane	5	ND	UUUUUUUUU
56-23-5	Carbon Tetrachloride	5	ND	UUUUUUUUU
75-27-4	Bromodichloromethane	5	ND	UUUUUUUUU
78-87-5	1,2-Dichloropropane	5	ND	UUUUUUUUU
10061-01-5	cis-1,3-Dichloropropene	5	ND	UUUUUUUUU
79-01-6	Trichloroethene	5	ND	UUUUUUUUU
124-48-1	Dibromochloromethane	5	ND	UUUUUUUUU
79-00-5	1,1,2-Trichloroethane	5	ND	UUUUUUUUU
71-43-2	Benzene	5	ND	UUUUUUUUU
10061-02-6	trans-1,3-Dichloropropene	5	ND	UUUUUUUUU
75-25-2	Bromoform	5	ND	UUUUUUUUU
108-10-1	4-Methyl-2-Pentanone	10	ND	UUUUUUUUU
591-78-6	2-Hexanone	10	ND	UUUUUUUUU
127-18-4	Tetrachloroethene	5	ND	UUUUUUUUU
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	UUUUUUUUU
108-88-3	Toluene	5	ND	UUUUUUUUU
108-90-7	Chlorobenzene	5	ND	UUUUUUUUU
100-41-4	Ethylbenzene	5	ND	UUUUUUUUU
100-42-5	Styrene	5	ND	UUUUUUUUU
1330-20-7	Xylene (Total)	5	ND	UUUUUUUUU
108-05-4	Vinyl acetate	5	ND	UUUUUUUUU
75-69-4	Trichlorofluoromethane	5	ND	UUUUUUUUU
76-13-1	Trichlorotrifluoroethane	5	ND	UUUUUUUUU
156-60-5	Trans-1,2-dichloroethene	5	ND	UUUUUUUUU
541-73-1	1,3-Dichlorobenzene	5	ND	UUUUUUUUU
106-46-7	1,4-Dichlorobenzene	5	ND	UUUUUUUUU
95-50-1	1,2-Dichlorobenzene	5	ND	UUUUUUUUU

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-6
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-05
 Lab File ID : MPJ17805
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-7
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-06
 Lab File ID : MPJ17806
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-7
 Matrix : WATER
 Date Sampled : 01/21/97
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : 9701178-07
 Lab File ID : MPJ17807
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-9
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-08
 Lab File ID : MPJ17808
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-15
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-09
 Lab File ID : MPJ17809
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-14
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-10
 Lab File ID : MPJ17810
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-13
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-11
 Lab File ID : MPJ17811
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anametrix ID : 9701178-12
 Lab File ID : MPJ17812
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-10
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-13
 Lab File ID : MRJ17813
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	6
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	6
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-12
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-14
 Lab File ID : MPJ17814
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-16
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-17
 Lab File ID : MPJ17817
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-2
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anametrix ID : 9701178-18
 Lab File ID : MPJ17818
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	22	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-3
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-19
 Lab File ID : MPJ17819
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	20	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	8	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
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Project ID : 961163NB
 Sample ID : G-15
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Anamatrix ID : 9701178-20
 Lab File ID : MPJ17820
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

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 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKBE
 Matrix : SOIL
 Date Sampled :
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Anamatrix ID : BJ2702A1
 Lab File ID : BJ2702A1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID	: 961163NB	Anamatrix ID	: BJ2801A1
Sample ID	: VBLKBF	Lab File ID	: BJ2801A1
Matrix	: SOIL		
Date Sampled	:	% Moisture	: _____
Date Analyzed	: 01/28/97	Dilution Factor	: 1.0
Instrument ID	: msd2.i	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKCI
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Anamatrix ID : BJ2701A2
 Lab File ID : BJ2701A2
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKCJ
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Anamatrix ID : BJ2802A2
 Lab File ID : BJ2802A2
 % Moisture :
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID
 Matrix

: 961163NB
 : SOIL

Anamatrix ID : 9701178
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
=====						
01	VBLKBE	92	94	94		0
02	VLCSEB	93	93	94		0
03	VLCSEB	93	94	96		0
04	SG-1	96	88	93		0
05	SG-4	92	93	95		0
06	SG-5	91	93	97		0
07	SG-6	93	94	94		0
08	SG-7	92	95	94		0
09	SG-9	92	94	97		0
10	SG-15	94	91	98		0
11	SG-14	92	90	94		0
12	SG-13	93	94	95		0
13	SG-8	93	94	95		0
14	SG-12	93	93	94		0
15	SG-11	93	96	95		0
16	SG-16	92	95	96		0
17	SS-2	95	91	96		0
18	SS-3	93	94	95		0
19	VBLKBF	94	94	92		0
20	VLCSEB	96	93	92		0
21	VLCSEB	94	94	95		0
22	SG-10	93	93	95		0
23	SG-10MS	93	94	95		0
24	SG-10MSD	93	92	95		0
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (77-119)
 SMC2 (BFB) = Bromofluorobenzene (78-116)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (78-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID
 Matrix

: 961163NB
 : WATER

Anamatrix ID : 9701178

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKCI	94	99	95		0
02	VLCSOI	93	98	94		0
03	VLCSDCI	93	99	94		0
04	G-4	89	113	68*		1
05	G-4RE	85*	107	67*		2
06	G-12	90	100	100		0
07	G-15	90	103	98		0
08	VBLKCI	93	99	95		0
09	VLCSOI	93	99	99		0
10	VLCSDCI	93	99	97		0
11	G-7	95	99	100		0
12	G-15MS	93	100	98		0
13	G-15MSD	94	101	100		0
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (86-128)
 SMC2 (BFB) = Bromofluorobenzene (80-128)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (80-129)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-15
 Matrix : WATER
 Date Sampled : 01/22/97
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Anamatrix ID : 9701178-20

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	47	94	67-150
Trichloroethene	50	0.0	46	92	85-130
Benzene	50	0.0	49	98	75-134
Toluene	50	0.0	48	96	69-136
Chlorobenzene	50	0.0	48	96	78-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	46	92	2	25	67-150
Trichloroethene	50	45	90	2	25	85-130
Benzene	50	48	96	2	25	75-134
Toluene	50	48	96	0	25	69-136
Chlorobenzene	50	48	96	0	25	78-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-10
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701178-13

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	51	102	62-131
Trichloroethene	50	0.0	38	76	65-117
Benzene	50	0.0	44	88	57-131
Toluene	50	6	45	78	62-114
Chlorobenzene	50	0.0	38	76	62-122

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	52	104	2	30	62-131
Trichloroethene	50	39	78	2	30	65-117
Benzene	50	45	90	2	30	57-131
Toluene	50	49	86	10	30	62-114
Chlorobenzene	50	40	80	5	30	62-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKCI
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 06j27a2a
 Date Analyzed : 01/27/97
 Instrument ID : msd6.i

Lab File ID : MJ2701A2/NJ2701A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	49	98	72-145
Trichloroethene	50	0.0	44	88	61-140
Benzene	50	0.0	48	96	83-125
Toluene	50	0.0	46	92	82-123
Chlorobenzene	50	0.0	47	94	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	52	104	6	25	72-145
Trichloroethene	50	46	92	4	25	61-140
Benzene	50	50	100	4	25	83-125
Toluene	50	48	96	4	25	82-123
Chlorobenzene	50	49	98	4	25	82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKCJ
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 06j28a2a
 Date Analyzed : 01/28/97
 Instrument ID : msd6.i

Lab File ID : MJ2801A2/NJ2801A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	48	96	72-145
Trichloroethene	50	0.0	45	90	61-140
Benzene	50	0.0	48	96	83-125
Toluene	50	0.0	47	94	82-123
Chlorobenzene	50	0.0	48	96	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	47	94	2	25	72-145
Trichloroethene	50	46	92	2	25	61-140
Benzene	50	48	96	0	25	83-125
Toluene	50	48	96	2	25	82-123
Chlorobenzene	50	48	96	0	25	82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBE
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : 02j27a1a
 Date Analyzed : 01/27/97
 Instrument ID : msd2.i

Lab File ID : MJ2701A1/NJ2701A1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	52	104	78-150
Trichloroethene	50	0.0	42	84	64-135
Benzene	50	0.0	45	90	85-120
Toluene	50	0.0	46	92	88-119
Chlorobenzene	50	0.0	44	88	86-116

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	55	110	6	25	78-150
Trichloroethene	50	45	90	7	25	64-135
Benzene	50	48	96	6	25	85-120
Toluene	50	48	96	4	25	88-119
Chlorobenzene	50	47	94	6	25	86-116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBF
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : 02j28a1a
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Lab File ID : MJ2801A1/NJ2801A1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	78-150
Trichloroethene	50	0.0	48	96	64-135
Benzene	50	0.0	50	100	85-120
Toluene	50	0.0	52	104	88-119
Chlorobenzene	50	0.0	50	100	86-116

COMPOUND	SPIKE ADDED (ug/Kg)	LCS D CONCENTRATION (ug/Kg)	LCS D % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	50	100	0	25	78-150
Trichloroethene	50	46	92	4	25	64-135
Benzene	50	49	98	2	25	85-120
Toluene	50	50	100	4	25	88-119
Chlorobenzene	50	49	98	2	25	86-116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 10 outside limits

COMMENTS:



GC/PESTICIDE REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing Inchcape Testing Services ID Number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*" and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery, Laboratory Control Sample Forms

These forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes, laboratory control samples and their duplicates. This information is a statement of accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "**".

Qualifiers

Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed, but not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- P - Indicates that the value reported for this compound differed by more than 25% between the two columns. When this occurs, the lower value is reported.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages do display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701178
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GC
 Sub-Department: PEST

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	8081
9701178- 2	SG-4	SOIL	01/21/97	8081
9701178- 3	G-4	WATER	01/21/97	8081
9701178- 4	SG-5	SOIL	01/21/97	8081
9701178- 5	SG-6	SOIL	01/21/97	8081
9701178- 6	SG-7	SOIL	01/21/97	8081
9701178- 7	G-7	WATER	01/21/97	8081
9701178- 8	SG-9	SOIL	01/21/97	8081
9701178- 9	SG-15	SOIL	01/21/97	8081
9701178-10	SG-14	SOIL	01/22/97	8081
9701178-11	SG-13	SOIL	01/22/97	8081
9701178-12	SG-8	SOIL	01/22/97	8081
9701178-13	SG-10	SOIL	01/22/97	8081
9701178-14	SG-12	SOIL	01/22/97	8081
9701178-15	SG-11	SOIL	01/22/97	8081
9701178-16	G-12	WATER	01/22/97	8081
9701178-17	SG-16	SOIL	01/22/97	8081
9701178-18	SS-2	SOIL	01/22/97	8081
9701178-19	SS-3	SOIL	01/22/97	8081
9701178-20	G-15	WATER	01/22/97	8081

CASE NARRATIVE


S.D.G. No. N/A

WORKORDER No. 9701178

QUALITY CONTROL PROBLEMS:

Pesticides

- All holding times have been met for the analyses reported in this section.
- Due to the complex nature of the sample matrices, samples SG-1 and SG-11 were analyzed at 10-fold dilutions; samples SS-3, SG-5, SG-7, SG-7MS, SG-7MSD, SG-8, SG-9, SG-10, SG-12, SG-14, SG-15, and SG-16 at 20-fold dilutions; and samples SS-2, SG-4, SG-6, and SG-13 at 50-fold dilutions. At these dilutions, the surrogate compounds were not recovered. In addition, the spike compounds were not recovered for samples SG-7MS and SG-7MSD.
- Samples PBLKID and PLCSCV had high recoveries of surrogate tetrachloro-m-xylene on the primary column due to coeluting matrix peaks. The surrogate recoveries were acceptable on the confirmation column.
- Sample G-7 had a low recovery of surrogate decachlorobiphenyl. Surrogate tetrachloro-m-xylene had acceptable recovery.
- The continuing calibration standards SF05X1P1 and SF05X3P1 had responses for methoxychlor that were outside the acceptance criteria for the primary column. All responses were acceptable for the confirmation column. Since the detector was becoming more sensitive for these analytes, and no peaks were detected within the retention time window, the analyte was reported as "ND."



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-13-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-1
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/11/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-01
 Lab File ID : EPJ17801
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	17	ND	U
319-85-7	beta-BHC	17	ND	U
319-86-8	delta-BHC	17	ND	U
58-89-9	gamma-BHC (Lindane)	17	ND	U
76-44-8	Heptachlor	17	ND	U
309-00-2	Aldrin	17	ND	U
1024-57-3	Heptachlor epoxide	17	ND	U
959-98-8	Endosulfan I	17	ND	U
60-57-1	Dieldrin	33	ND	U
72-55-9	4,4'-DDE	33	ND	U
72-20-8	Endrin	33	ND	U
33213-65-9	Endosulfan II	33	ND	U
72-54-8	4,4'-DDD	33	ND	U
1031-07-8	Endosulfan sulfate	33	ND	U
50-29-3	4,4'-DDT	33	ND	U
72-43-5	Methoxychlor	170	ND	U
53494-70-5	Endrin ketone	33	ND	U
7421-93-4	Endrin aldehyde	33	ND	U
5103-71-9	alpha-Chlordane	17	ND	U
5103-74-2	gamma-Chlordane	17	ND	U
8001-35-2	Toxaphene	330	ND	U
12789-03-6	Technical chlordane	330	ND	U
12674-11-2	Aroclor-1016	330	ND	U
11104-28-2	Aroclor-1221	330	ND	U
1114-11-65	Aroclor-1232	330	ND	U
53469-21-9	Aroclor-1242	330	ND	U
12672-29-6	Aroclor-1248	330	ND	U
11097-69-1	Aroclor-1254	330	ND	U
11096-82-5	Aroclor-1260	330	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-4
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anametrix ID : 9701178-02
 Lab File ID : EPJ17802
 % Moisture : _____
 Dilution Factor : 50.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	85	ND	U
319-85-7	beta-BHC	85	ND	U
319-86-8	delta-BHC	85	ND	U
58-89-9	gamma-BHC (Lindane)	85	ND	U
76-44-8	Heptachlor	85	ND	U
309-00-2	Aldrin	85	ND	U
1024-57-3	Heptachlor epoxide	85	ND	U
959-98-8	Endosulfan I	85	ND	U
60-57-1	Dieldrin	160	ND	U
72-55-9	4,4'-DDE	160	ND	U
72-20-8	Endrin	160	ND	U
33213-65-9	Endosulfan II	160	ND	U
72-54-8	4,4'-DDD	160	ND	U
1031-07-8	Endosulfan sulfate	160	ND	U
50-29-3	4,4'-DDT	160	ND	U
72-43-5	Methoxychlor	850	ND	U
53494-70-5	Endrin ketone	160	ND	U
7421-93-4	Endrin aldehyde	160	ND	U
5103-71-9	alpha-Chlordane	85	ND	U
5103-74-2	gamma-Chlordane	85	ND	U
8001-35-2	Toxaphene	1600	ND	U
12789-03-6	Technical chlordane	1600	ND	U
12674-11-2	Aroclor-1016	1600	ND	U
11104-28-2	Aroclor-1221	1600	ND	U
1114-11-65	Aroclor-1232	1600	ND	U
53469-21-9	Aroclor-1242	1600	ND	U
12672-29-6	Aroclor-1248	1600	ND	U
11097-69-1	Aroclor-1254	1600	ND	U
11096-82-5	Aroclor-1260	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-4
 Matrix : WATER
 Date Sampled : 01/21/77
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-03
 Lab File ID : EPJ17803
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-5
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-04
 Lab File ID : EPJ17804
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-6
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-05
 Lab File ID : EPJ17805
 % Moisture : _____
 Dilution Factor : 50.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	85	ND	U
319-85-7	beta-BHC	85	ND	U
319-86-8	delta-BHC	85	ND	U
58-89-9	gamma-BHC (Lindane)	85	ND	U
76-44-8	Heptachlor	85	ND	U
309-00-2	Aldrin	85	ND	U
1024-57-3	Heptachlor epoxide	85	ND	U
959-98-8	Endosulfan I	85	ND	U
60-57-1	Dieldrin	160	ND	U
72-55-9	4,4'-DDE	160	ND	U
72-20-8	Endrin	160	ND	U
33213-65-9	Endosulfan II	160	ND	U
72-54-8	4,4'-DDD	160	ND	U
1031-07-8	Endosulfan sulfate	160	ND	U
50-29-3	4,4'-DDT	160	ND	U
72-43-5	Methoxychlor	850	ND	U
53494-70-5	Endrin ketone	160	ND	U
7421-93-4	Endrin aldehyde	160	ND	U
5103-71-9	alpha-Chlordane	85	ND	U
5103-74-2	gamma-Chlordane	85	ND	U
8001-35-2	Toxaphene	1600	ND	U
12789-03-6	Technical chlordane	1600	ND	U
12674-11-2	Aroclor-1016	1600	ND	U
11104-28-2	Aroclor-1221	1600	ND	U
1114-11-65	Aroclor-1232	1600	ND	U
53469-21-9	Aroclor-1242	1600	ND	U
12672-29-6	Aroclor-1248	1600	ND	U
11097-69-1	Aroclor-1254	1600	ND	U
11096-82-5	Aroclor-1260	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-7
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-06
 Lab File ID : EPJ17806
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-7
 Matrix : WATER
 Date Sampled : 01/21/77
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-07
 Lab File ID : EPJ17807
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-9
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-08
 Lab File ID : EPJ17808
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SG-15
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Amount Extracted : 14 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-09
 Lab File ID : EPJ17809
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	72	ND	U
319-85-7	beta-BHC	72	ND	U
319-86-8	delta-BHC	72	ND	U
58-89-9	gamma-BHC (Lindane)	72	ND	U
76-44-8	Heptachlor	72	ND	U
309-00-2	Aldrin	72	ND	U
1024-57-3	Heptachlor epoxide	72	ND	U
959-98-8	Endosulfan I	72	ND	U
60-57-1	Dieldrin	140	ND	U
72-55-9	4,4'-DDE	140	ND	U
72-20-8	Endrin	140	ND	U
33213-65-9	Endosulfan II	140	ND	U
72-54-8	4,4'-DDD	140	ND	U
1031-07-8	Endosulfan sulfate	140	ND	U
50-29-3	4,4'-DDT	140	ND	U
72-43-5	Methoxychlor	720	ND	U
53494-70-5	Endrin ketone	140	ND	U
7421-93-4	Endrin aldehyde	140	ND	U
5103-71-9	alpha-Chlordane	72	ND	U
5103-74-2	gamma-Chlordane	72	ND	U
8001-35-2	Toxaphene	1400	ND	U
12789-03-6	Technical chlordane	1400	ND	U
12674-11-2	Aroclor-1016	1400	ND	U
11104-28-2	Aroclor-1221	1400	ND	U
1114-11-65	Aroclor-1232	1400	ND	U
53469-21-9	Aroclor-1242	1400	ND	U
12672-29-6	Aroclor-1248	1400	ND	U
11097-69-1	Aroclor-1254	1400	ND	U
11096-82-5	Aroclor-1260	1400	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-14
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 22 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-10
 Lab File ID : EPJ17810
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	47	ND	U
319-85-7	beta-BHC	47	ND	U
319-86-8	delta-BHC	47	ND	U
58-89-9	gamma-BHC (Lindane)	47	ND	U
76-44-8	Heptachlor	47	ND	U
309-00-2	Aldrin	47	ND	U
1024-57-3	Heptachlor epoxide	47	ND	U
959-98-8	Endosulfan I	47	ND	U
60-57-1	Dieldrin	91	ND	U
72-55-9	4,4'-DDE	91	ND	U
72-20-8	Endrin	91	ND	U
33213-65-9	Endosulfan II	91	ND	U
72-54-8	4,4'-DDD	91	ND	U
1031-07-8	Endosulfan sulfate	91	ND	U
50-29-3	4,4'-DDT	91	ND	U
72-43-5	Methoxychlor	470	ND	U
53494-70-5	Endrin ketone	91	ND	U
7421-93-4	Endrin aldehyde	91	ND	U
5103-71-9	alpha-Chlordane	47	ND	U
5103-74-2	gamma-Chlordane	47	ND	U
8001-35-2	Toxaphene	910	ND	U
12789-03-6	Technical chlordane	910	ND	U
12674-11-2	Aroclor-1016	910	ND	U
11104-28-2	Aroclor-1221	910	ND	U
1114-11-65	Aroclor-1232	910	ND	U
53469-21-9	Aroclor-1242	910	ND	U
12672-29-6	Aroclor-1248	910	ND	U
11097-69-1	Aroclor-1254	910	ND	U
11096-82-5	Aroclor-1260	910	ND	U

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Project ID : 961163NB
 Sample ID : SG-13
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-11
 Lab File ID : EPJ17811
 % Moisture : _____
 Dilution Factor : 50.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	85	ND	U
319-85-7	beta-BHC	85	ND	U
319-86-8	delta-BHC	85	ND	U
58-89-9	gamma-BHC (Lindane)	85	ND	U
76-44-8	Heptachlor	85	ND	U
309-00-2	Aldrin	85	ND	U
1024-57-3	Heptachlor epoxide	85	ND	U
959-98-8	Endosulfan I	85	ND	U
60-57-1	Dieldrin	160	ND	U
72-55-9	4,4'-DDE	160	ND	U
72-20-8	Endrin	160	ND	U
33213-65-9	Endosulfan II	160	ND	U
72-54-8	4,4'-DDD	160	ND	U
1031-07-8	Endosulfan sulfate	160	ND	U
50-29-3	4,4'-DDT	160	ND	U
72-43-5	Methoxychlor	850	ND	U
53494-70-5	Endrin ketone	160	ND	U
7421-93-4	Endrin aldehyde	160	ND	U
5103-71-9	alpha-Chlordane	85	ND	U
5103-74-2	gamma-Chlordane	85	ND	U
8001-35-2	Toxaphene	1600	ND	U
12789-03-6	Technical chlordane	1600	ND	U
12674-11-2	Aroclor-1016	1600	ND	U
11104-28-2	Aroclor-1221	1600	ND	U
1114-11-65	Aroclor-1232	1600	ND	U
53469-21-9	Aroclor-1242	1600	ND	U
12672-29-6	Aroclor-1248	1600	ND	U
11097-69-1	Aroclor-1254	1600	ND	U
11096-82-5	Aroclor-1260	1600	ND	U

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Project ID : 961163NB
 Sample ID : SG-8
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-12
 Lab File ID : EPJ17812
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

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Project ID : 961163NB
 Sample ID : SG-10
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 10 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-13
 Lab File ID : EPJ17813
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	100	ND	U
319-85-7	beta-BHC	100	ND	U
319-86-8	delta-BHC	100	ND	U
58-89-9	gamma-BHC (Lindane)	100	ND	U
76-44-8	Heptachlor	100	ND	U
309-00-2	Aldrin	100	ND	U
1024-57-3	Heptachlor epoxide	100	ND	U
959-98-8	Endosulfan I	100	ND	U
60-57-1	Dieldrin	200	ND	U
72-55-9	4,4'-DDE	200	ND	U
72-20-8	Endrin	200	ND	U
33213-65-9	Endosulfan II	200	ND	U
72-54-8	4,4'-DDD	200	ND	U
1031-07-8	Endosulfan sulfate	200	ND	U
50-29-3	4,4'-DDT	200	ND	U
72-43-5	Methoxychlor	1000	ND	U
53494-70-5	Endrin ketone	200	ND	U
7421-93-4	Endrin aldehyde	200	ND	U
5103-71-9	alpha-Chlordane	100	ND	U
5103-74-2	gamma-Chlordane	100	ND	U
8001-35-2	Toxaphene	2000	ND	U
12789-03-6	Technical chlordane	2000	ND	U
12674-11-2	Aroclor-1016	2000	ND	U
11104-28-2	Aroclor-1221	2000	ND	U
1114-11-65	Aroclor-1232	2000	ND	U
53469-21-9	Aroclor-1242	2000	ND	U
12672-29-6	Aroclor-1248	2000	ND	U
11097-69-1	Aroclor-1254	2000	ND	U
11096-82-5	Aroclor-1260	2000	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
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Project ID : 961163NB
 Sample ID : SG-12
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-14
 Lab File ID : EPJ17814
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
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Project ID : 961163NB
 Sample ID : SG-11
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-15
 Lab File ID : EPJ17815
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	17	ND	U
319-85-7	beta-BHC	17	ND	U
319-86-8	delta-BHC	17	ND	U
58-89-9	gamma-BHC (Lindane)	17	ND	U
76-44-8	Heptachlor	17	ND	U
309-00-2	Aldrin	17	ND	U
1024-57-3	Heptachlor epoxide	17	ND	U
959-98-8	Endosulfan I	17	ND	U
60-57-1	Dieldrin	33	ND	U
72-55-9	4,4'-DDE	33	ND	U
72-20-8	Endrin	33	ND	U
33213-65-9	Endosulfan II	33	ND	U
72-54-8	4,4'-DDD	33	ND	U
1031-07-8	Endosulfan sulfate	33	ND	U
50-29-3	4,4'-DDT	33	ND	U
72-43-5	Methoxychlor	170	ND	U
53494-70-5	Endrin ketone	33	ND	U
7421-93-4	Endrin aldehyde	33	ND	U
5103-71-9	alpha-Chlordane	17	ND	U
5103-74-2	gamma-Chlordane	17	ND	U
8001-35-2	Toxaphene	330	ND	U
12789-03-6	Technical chlordane	330	ND	U
12674-11-2	Aroclor-1016	330	ND	U
11104-28-2	Aroclor-1221	330	ND	U
1114-11-65	Aroclor-1232	330	ND	U
53469-21-9	Aroclor-1242	330	ND	U
12672-29-6	Aroclor-1248	330	ND	U
11097-69-1	Aroclor-1254	330	ND	U
11096-82-5	Aroclor-1260	330	ND	U

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Project ID : 961163NB
 Sample ID : G-12
 Matrix : WATER
 Date Sampled : 01/22/77
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : hp26 1.1
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-16
 Lab File ID : EPJ17816

% Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.10	ND	U
53494-70-5	Endrin ketone	0.50	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.10	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	0.050	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

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Project ID : 961163NB
 Sample ID : SG-16
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-17
 Lab File ID : EPJ17817
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

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Project ID : 961163NB
 Sample ID : SS-2
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 6 g
 Date Analyzed : 02/12/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-18
 Lab File ID : EPJ17818
 % Moisture : _____
 Dilution Factor : 50.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	420	ND	U
319-85-7	beta-BHC	420	ND	U
319-86-8	delta-BHC	420	ND	U
58-89-9	gamma-BHC (Lindane)	420	ND	U
76-44-8	Heptachlor	420	ND	U
309-00-2	Aldrin	420	ND	U
1024-57-3	Heptachlor epoxide	420	ND	U
959-98-8	Endosulfan I	420	ND	U
60-57-1	Dieldrin	420	ND	U
72-55-9	4,4'-DDE	820	ND	U
72-20-8	Endrin	820	ND	U
33213-65-9	Endosulfan II	820	ND	U
72-54-8	4,4'-DDD	820	ND	U
1031-07-8	Endosulfan sulfate	820	ND	U
50-29-3	4,4'-DDT	820	ND	U
72-43-5	Methoxychlor	820	ND	U
53494-70-5	Endrin ketone	4200	ND	U
7421-93-4	Endrin aldehyde	820	ND	U
5103-71-9	alpha-Chlordane	820	ND	U
5103-74-2	gamma-Chlordane	420	ND	U
8001-35-2	Toxaphene	420	ND	U
12789-03-6	Technical chlordane	8200	ND	U
12674-11-2	Aroclor-1016	8200	ND	U
11104-28-2	Aroclor-1221	8200	ND	U
1114-11-65	Aroclor-1232	8200	ND	U
53469-21-9	Aroclor-1242	8200	ND	U
12672-29-6	Aroclor-1248	8200	ND	U
11097-69-1	Aroclor-1254	8200	ND	U
11096-82-5	Aroclor-1260	8200	ND	U

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Project ID : 961163NB
 Sample ID : SS-3
 Matrix : SOIL
 Date Sampled : 01/22/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/13/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-19
 Lab File ID : EPJ17819
 % Moisture : _____
 Dilution Factor : 20.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	34	ND	U
319-85-7	beta-BHC	34	ND	U
319-86-8	delta-BHC	34	ND	U
58-89-9	gamma-BHC (Lindane)	34	ND	U
76-44-8	Heptachlor	34	ND	U
309-00-2	Aldrin	34	ND	U
1024-57-3	Heptachlor epoxide	34	ND	U
959-98-8	Endosulfan I	34	ND	U
60-57-1	Dieldrin	66	ND	U
72-55-9	4,4'-DDE	66	ND	U
72-20-8	Endrin	66	ND	U
33213-65-9	Endosulfan II	66	ND	U
72-54-8	4,4'-DDD	66	ND	U
1031-07-8	Endosulfan sulfate	66	ND	U
50-29-3	4,4'-DDT	66	ND	U
72-43-5	Methoxychlor	340	ND	U
53494-70-5	Endrin ketone	66	ND	U
7421-93-4	Endrin aldehyde	66	ND	U
5103-71-9	alpha-Chlordane	34	ND	U
5103-74-2	gamma-Chlordane	34	ND	U
8001-35-2	Toxaphene	660	ND	U
12789-03-6	Technical chlordane	660	ND	U
12674-11-2	Aroclor-1016	660	ND	U
11104-28-2	Aroclor-1221	660	ND	U
1114-11-65	Aroclor-1232	660	ND	U
53469-21-9	Aroclor-1242	660	ND	U
12672-29-6	Aroclor-1248	660	ND	U
11097-69-1	Aroclor-1254	660	ND	U
11096-82-5	Aroclor-1260	660	ND	U

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Project ID : 961163NB
 Sample ID : G-15
 Matrix : WATER
 Date Sampled : 01/22/77
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/06/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701178-20
 Lab File ID : EPJ17820
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI3
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ2711P1
 Lab File ID : BJ2711P1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKJD
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/11/97
 Instrument ID : hp26 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ29H1P1
 Lab File ID : BJ29H1P1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	1.7	ND	U
319-85-7	beta-BHC	1.7	ND	U
319-86-8	delta-BHC	1.7	ND	U
58-89-9	gamma-BHC (Lindane)	1.7	ND	U
76-44-8	Heptachlor	1.7	ND	U
309-00-2	Aldrin	1.7	ND	U
1024-57-3	Heptachlor epoxide	1.7	ND	U
959-98-8	Endosulfan I	1.7	ND	U
60-57-1	Dieldrin	3.3	ND	U
72-55-9	4,4'-DDE	3.3	ND	U
72-20-8	Endrin	3.3	ND	U
33213-65-9	Endosulfan II	3.3	ND	U
72-54-8	4,4'-DDD	3.3	ND	U
1031-07-8	Endosulfan sulfate	3.3	ND	U
50-29-3	4,4'-DDT	3.3	ND	U
72-43-5	Methoxychlor	17	ND	U
53494-70-5	Endrin ketone	3.3	ND	U
7421-93-4	Endrin aldehyde	3.3	ND	U
5103-71-9	alpha-Chlordane	1.7	ND	U
5103-74-2	gamma-Chlordane	1.7	ND	U
8001-35-2	Toxaphene	33	ND	U
12789-03-6	Technical chlordane	33	ND	U
12674-11-2	Aroclor-1016	33	ND	U
11104-28-2	Aroclor-1221	33	ND	U
1114-11-65	Aroclor-1232	33	ND	U
53469-21-9	Aroclor-1242	33	ND	U
12672-29-6	Aroclor-1248	33	ND	U
11097-69-1	Aroclor-1254	33	ND	U
11096-82-5	Aroclor-1260	33	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701178

GC Column(1): HP-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX %REC #	DCB %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	PBLKI3	103	93					0
02	PLCSCM	96	96					0
03	PLCSDUM	113	102					0
04	G-4	89	43					0
05	G-7	86	14*					1
06	G-12	92	36					0
07	G-15	107	42					0
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (33-126)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701178

GC Column(1): HP-1701 ID: 0.53 (mm) GC Column(2): HP-35 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKJD	178*	102	101	102			1
02	PLCSCV	149*	95	102	100			1
03	PLCSDUV	137	92	90	97			1
04	SG-1	125	115	105	122			0
05	SG-4	0.D	0.D	0.D	0.D			0
06	SG-5	0.D	0.D	0.D	0.D			0
07	SG-6	0.D	0.D	0.D	0.D			0
08	SG-7	0.D	0.D	0.D	0.D			0
09	SG-7MS	0.D	0.D	0.D	0.D			0
10	SG-7MSD	0.D	0.D	0.D	0.D			0
11	SG-9	0.D	0.D	0.D	0.D			0
12	SG-15	0.D	0.D	0.D	0.D			0
13	SG-14	0.D	0.D	0.D	0.D			0
14	SG-13	0.D	0.D	0.D	0.D			0
15	SG-8	0.D	0.D	0.D	0.D			0
16	SG-10	0.D	0.D	0.D	0.D			0
17	SG-12	0.D	0.D	0.D	0.D			0
18	SG-11	0.D	0.D	0.D	0.D			0
19	SG-16	0.D	0.D	0.D	0.D			0
20	SS-2	0.D	0.D	0.D	0.D			0
21	SS-3	0.D	0.D	0.D	0.D			0
22								0
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (46-151)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SG-7
 Matrix : SOIL
 Date Sampled : 01/21/97
 Date Extracted : 01/29/97
 Date Analyzed : 02/12/97
 Instrument ID : hp26_1.i

Anamatrix ID : 9701178-06

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE AMOUNT (ug/Kg)	MS AMOUNT (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	8.3	0.00	0.00	0*	59-114
Heptachlor	8.3	0.00	0.00	0*	53-131
Aldrin	8.3	0.00	0.00	0*	49-126
Dieldrin	17	0.00	0.00	0*	60-139
Endrin	17	0.00	0.00	0*	58-148
4,4'-DDT	17	0.00	0.00	0*	58-139

COMPOUND	SPIKE ADDED (ug/Kg)	MSD AMOUNT (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
gamma-BHC (Lindane)	8.3	0.00	0*	0	30	59-114
Heptachlor	8.3	0.00	0*	0	30	53-131
Aldrin	8.3	0.00	0*	0	30	49-126
Dieldrin	17	0.00	0*	0	30	60-139
Endrin	17	0.00	0*	0	30	58-148
4,4'-DDT	17	0.00	0*	0	30	58-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
 Spike Recovery: 12 out of 12 outside limits

COMMENTS:

LABORATORY SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PLCSCV/PLCSDUV
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/29/97
 Date Analyzed : 02/11/97
 Instrument ID : hp26_1.i

Lab File ID : M/NJ29H1P1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE AMOUNT (ng)	LCS AMOUNT (ug/Kg)	LCS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	8.3	0.00	8.5	102	59-114
Heptachlor	8.3	0.00	7.9	95	53-131
Aldrin	8.3	0.00	8.9	107	49-126
Dieldrin	17	0.00	18	106	60-139
Endrin	17	0.00	18	106	58-148
4,4'-DDT	17	0.00	13	76	58-139

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD AMOUNT (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
gamma-BHC (Lindane)	8.3	7.7	93	9	30 59-114
Heptachlor	8.3	7.0	84	12	30 53-131
Aldrin	8.3	7.8	94	13	30 49-126
Dieldrin	17	16	94	12	30 60-139
Endrin	17	15	88	18	30 58-148
4,4'-DDT	17	11	65	16	30 58-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
 Spike Recovery: 0 out of 12 outside limits

COMMENTS:

LABORATORY SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PLCSCM/PLCSDUM
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/27/97
 Date Analyzed : 02/05/97
 Instrument ID : hp26_2.i

Anamatrix ID : M/NJ2711P1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.25	0.00	0.22	88	47-120
Heptachlor	0.25	0.00	0.20	80	44-125
Aldrin	0.25	0.00	0.19	76	41-125
Dieldrin	0.50	0.00	0.47	94	53-133
Endrin	0.50	0.00	0.49	98	51-134
4,4'-DDT	0.50	0.00	0.43	86	49-134

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
gamma-BHC (Lindane)	0.25	0.24	96	9	25	47-120
Heptachlor	0.25	0.23	92	14	25	44-125
Aldrin	0.25	0.23	92	19	25	41-125
Dieldrin	0.50	0.52	104	10	25	53-133
Endrin	0.50	0.54	108	10	25	51-134
4,4'-DDT	0.50	0.48	96	11	25	49-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701178
 Date Received : 01/24/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	TPHd
9701178- 2	SG-4	SOIL	01/21/97	TPHd
9701178- 3	G-4	WATER	01/21/97	TPHd
9701178- 4	SG-5	SOIL	01/21/97	TPHd
9701178- 5	SG-6	SOIL	01/21/97	TPHd
9701178- 6	SG-7	SOIL	01/21/97	TPHd
9701178- 7	G-7	WATER	01/21/97	TPHd
9701178- 8	SG-9	SOIL	01/21/97	TPHd
9701178- 9	SG-15	SOIL	01/21/97	TPHd
9701178-10	SG-14	SOIL	01/22/97	TPHd
9701178-11	SG-13	SOIL	01/22/97	TPHd
9701178-12	SG-8	SOIL	01/22/97	TPHd
9701178-13	SG-10	SOIL	01/22/97	TPHd
9701178-14	SG-12	SOIL	01/22/97	TPHd
9701178-15	SG-11	SOIL	01/22/97	TPHd
9701178-16	G-12	WATER	01/22/97	TPHd
9701178-17	SG-16	SOIL	01/22/97	TPHd
9701178-18	SS-2	SOIL	01/22/97	TPHd
9701178-19	SS-3	SOIL	01/22/97	TPHd
9701178-20	G-15	WATER	01/22/97	TPHd

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	TPHg
9701178- 2	SG-4	SOIL	01/21/97	TPHg
9701178- 3	G-4	WATER	01/21/97	TPHg
9701178- 4	SG-5	SOIL	01/21/97	TPHg
9701178- 5	SG-6	SOIL	01/21/97	TPHg
9701178- 6	SG-7	SOIL	01/21/97	TPHg
9701178- 7	G-7	WATER	01/21/97	TPHg
9701178- 8	SG-9	SOIL	01/21/97	TPHg
9701178- 9	SG-15	SOIL	01/21/97	TPHg
9701178-10	SG-14	SOIL	01/22/97	TPHg
9701178-11	SG-13	SOIL	01/22/97	TPHg
9701178-12	SG-8	SOIL	01/22/97	TPHg
9701178-13	SG-10	SOIL	01/22/97	TPHg
9701178-14	SG-12	SOIL	01/22/97	TPHg
9701178-15	SG-11	SOIL	01/22/97	TPHg
9701178-16	G-12	WATER	01/22/97	TPHg
9701178-17	SG-16	SOIL	01/22/97	TPHg
9701178-18	SS-2	SOIL	01/22/97	TPHg
9701178-19	SS-3	SOIL	01/22/97	TPHg
9701178-20	G-15	WATER	01/22/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentrations reported as diesel for samples G-4, G-7, G-12 and G-15 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- The surrogate recoveries for samples SG-15 and SS-2 were outside QC limits. The samples were analyzed with similar results but only one set was reported.
- The surrogate recoveries for MS/MSD were outside QC limits for sample SG-1.

M. Hesse 2/6/97
Department Supervisor Date

Doshi 2/6/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-01	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-1
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	63%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-02	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-4
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	97%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-03	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-4
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	100%
Date Released:	2/3/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-04	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-5
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	87%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-05	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-6
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	92%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-06	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-7
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	98%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-08	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-9
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	64%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-07	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-7
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	100%
Date Released:	2/3/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-09	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-15
Date Sampled:	1/21/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	26%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-10	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-14
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	69%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-11	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-13
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	91%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-12	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-8
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	98%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-13	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-10
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	53%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-14	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-12
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	101%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-15	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-11
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	73%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-16	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-12
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	99%
Date Released:	2/3/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.
TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.
Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.
Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-17	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SG-16
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	82%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-18	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-2
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	41%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701178-19	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-3
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	80%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701178-20	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-15
Date Sampled:	1/22/97	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	104%
Date Released:	2/3/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	BJ2701E1	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SAND BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	97%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	BJ2702E1	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SAND BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/27/97	Surrogate Recovery:	81%
Date Released:	2/3/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	BJ2801E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/28/97	Surrogate Recovery:	96%
Date Released:	2/3/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.
TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.
Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.
Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX
INCHCAPE TESTING SERVICES/ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2701E1
Matrix:	SOIL	Date Released:	2/3/97
Date Analyzed:	1/27/97	Instrument ID:	HP8
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	0.40	0.39	98%
p-Bromofluorobenzene			104%

Quality control limits for LCS recovery are 58-130%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX
INCHCAPE TESTING SERVICES/ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2702E1
Matrix:	SOIL	Date Released:	2/3/97
Date Analyzed:	1/28/97	Instrument ID:	HP8
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	0.40	0.37	93%
p-Bromofluorobenzene			87%

Quality control limits for LCS recovery are 58-130%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2801E1
Matrix:	WATER	Date Released:	2/3/97
Date Analyzed:	1/28/97	Instrument ID:	HP8
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	410	103%
p-Bromofluorobenzene			101%

Quality control limits for LCS recovery are 67-127%.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID: 961163NB	Laboratory ID: 9701178-01
Client Sample ID: SG-1	Date Released: 2/3/97
Date Sampled: 1/21/97	Instrument ID: HP8
Date Analyzed: 1/27/97	Matrix: SOIL
	Concentration Units: mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	0.8	0	0.59	74%	0.51	64%	-15%
p-Bromofluorobenzene				48%		43%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID: 961163NB	Laboratory ID: 9701178-03
Client Sample ID: G-4	Date Released: 2/3/97
Date Sampled: 1/21/97	Instrument ID: HP8
Date Analyzed: 1/28/97	Matrix: WATER
	Concentration Units: ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	400	0	430	108%	430	108%	0%
p-Bromofluorobenzene				114%		105%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 1	SG-1	SOIL	01/21/97	TPHd
9701178- 2	SG-4	SOIL	01/21/97	TPHd
9701178- 3	G-4	WATER	01/21/97	TPHd
9701178- 4	SG-5	SOIL	01/21/97	TPHd
9701178- 5	SG-6	SOIL	01/21/97	TPHd
9701178- 6	SG-7	SOIL	01/21/97	TPHd
9701178- 7	G-7	WATER	01/21/97	TPHd
9701178- 8	SG-9	SOIL	01/21/97	TPHd
9701178- 9	SG-15	SOIL	01/21/97	TPHd
9701178-10	SG-14	SOIL	01/22/97	TPHd
9701178-11	SG-13	SOIL	01/22/97	TPHd
9701178-12	SG-8	SOIL	01/22/97	TPHd
9701178-13	SG-10	SOIL	01/22/97	TPHd
9701178-14	SG-12	SOIL	01/22/97	TPHd
9701178-15	SG-11	SOIL	01/22/97	TPHd
9701178-16	G-12	WATER	01/22/97	TPHd
9701178-17	SG-16	SOIL	01/22/97	TPHd
9701178-18	SS-2	SOIL	01/22/97	TPHd
9701178-19	SS-3	SOIL	01/22/97	TPHd
9701178-20	G-15	WATER	01/22/97	TPHd
9701178- 1	SG-1	SOIL	01/21/97	TPHg
9701178- 2	SG-4	SOIL	01/21/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 3	G-4	WATER	01/21/97	TPHg
9701178- 4	SG-5	SOIL	01/21/97	TPHg
9701178- 5	SG-6	SOIL	01/21/97	TPHg
9701178- 6	SG-7	SOIL	01/21/97	TPHg
9701178- 7	G-7	WATER	01/21/97	TPHg
9701178- 8	SG-9	SOIL	01/21/97	TPHg
9701178- 9	SG-15	SOIL	01/21/97	TPHg
9701178-10	SG-14	SOIL	01/22/97	TPHg
9701178-11	SG-13	SOIL	01/22/97	TPHg
9701178-12	SG-8	SOIL	01/22/97	TPHg
9701178-13	SG-10	SOIL	01/22/97	TPHg
9701178-14	SG-12	SOIL	01/22/97	TPHg
9701178-15	SG-11	SOIL	01/22/97	TPHg
9701178-16	G-12	WATER	01/22/97	TPHg
9701178-17	SG-16	SOIL	01/22/97	TPHg
9701178-18	SS-2	SOIL	01/22/97	TPHg
9701178-19	SS-3	SOIL	01/22/97	TPHg
9701178-20	G-15	WATER	01/22/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentrations reported as diesel for samples G-4, G-7, G-12 and G-15 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- The surrogate recoveries for samples SG-15 and SS-2 were outside QC limits. The samples were analyzed with similar results but only one set was reported.
- The surrogate recoveries for MS/MSD were outside QC limits for sample SG-1.
- Due to insufficient sample volume, LCS and LCSD were extracted for diesel water samples instead of MS and MSD.

M. Hesse 2/14/97
Department Supervisor Date

Doshi 2/14/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701178	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/30/97
Date Extracted:	1/27/97	Concentration Unit	mg/Kg
Instrument ID:	HP27		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701178-01	SG-1	1/21/97	1/29/97	10	1000	ND	80%
9701178-02	SG-4	1/21/97	1/29/97	1	10	ND	107%
9701178-04	SG-5	1/21/97	1/28/97	1	10	ND	94%
9701178-05	SG-6	1/21/97	1/28/97	1	10	ND	90%
9701178-06	SG-7	1/21/97	1/28/97	1	10	ND	100%
9701178-08	SG-9	1/21/97	1/29/97	10	100	ND	81%
9701178-09	SG-15	1/21/97	1/29/97	10	1000	ND	75%
9701178-10	SG-14	1/22/97	1/29/97	10	1000	ND	89%
9701178-11	SG-13	1/22/97	1/28/97	1	10	ND	96%
9701178-12	SG-8	1/22/97	1/28/97	1	10	ND	85%
9701178-13	SG-10	1/22/97	1/29/97	10	1000	ND	79%
9701178-14	SG-12	1/22/97	1/28/97	1	10	ND	96%
9701178-15	SG-11	1/22/97	1/29/97	1	10	ND	97%
9701178-17	SG-16	1/22/97	1/29/97	10	100	ND	80%
9701178-18	SS-2	1/22/97	1/29/97	5	500	ND	90%
9701178-19	SS-3	1/22/97	1/29/97	1	10	ND	82%
BJ27H1F1	Method Blank	N/A	1/27/97	1	10	ND	92%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3550.
Surrogate recovery quality control limits for o-terphenyl are 75-117%.
All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701178	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/30/97
Date Extracted:	1/27/97	Concentration Unit	mg/Kg
Instrument ID:	HP27		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701178-01	SG-1	1/21/97	1/29/97	10	1000	6300	80%
9701178-02	SG-4	1/21/97	1/29/97	1	10	31	107%
9701178-04	SG-5	1/21/97	1/28/97	1	10	10	94%
9701178-05	SG-6	1/21/97	1/28/97	1	10	14	90%
9701178-06	SG-7	1/21/97	1/28/97	1	10	ND	100%
9701178-08	SG-9	1/21/97	1/29/97	10	100	660	81%
9701178-09	SG-15	1/21/97	1/29/97	10	1000	8800	75%
9701178-10	SG-14	1/22/97	1/29/97	10	1000	6000	89%
9701178-11	SG-13	1/22/97	1/28/97	1	10	ND	96%
9701178-12	SG-8	1/22/97	1/28/97	1	10	ND	85%
9701178-13	SG-10	1/22/97	1/29/97	10	1000	5400	79%
9701178-14	SG-12	1/22/97	1/28/97	1	10	ND	96%
9701178-15	SG-11	1/22/97	1/29/97	1	10	27	97%
9701178-17	SG-16	1/22/97	1/29/97	10	100	580	80%
9701178-18	SS-2	1/22/97	1/29/97	5	500	2900	90%
9701178-19	SS-3	1/22/97	1/29/97	1	10	67	82%
BJ27H1F1	Method Blank	N/A	1/27/97	1	10	ND	92%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID
(modified EPA Method 8015) following sample extraction by EPA Method 3550.
Surrogate recovery quality control limits for o-terphenyl are 75-117%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701178	Client Project ID:	961163NB
Matrix:	WATER	Date Released:	1/30/97
Date Extracted:	1/27/97	Concentration Units:	ug/L
Instrument ID:	HP27		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701178-03	G-4	1/21/97	1/27/97	1	50	320	117%
9701178-07	G-7	1/21/97	1/27/97	1	50	270	78%
9701178-16	G-12	1/22/97	1/29/97	1	50	280	116%
9701178-20	G-15	1/22/97	1/29/97	1	50	260	112%
BJ2711F1	Method Blank	N/A	1/27/97	1	50	ND	102%

ND: Not detected at or above the reporting limit for the method.

TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3510.

Surrogate recovery quality control limits for o-terphenyl are 65-122%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	961163NB	Laboratory ID:	9701178-02
Client Sample ID:	SG-4	Date Released:	1/29/97
Date Sampled:	1/21/97	Instrument ID:	HP27
Date Extracted:	1/27/97	Matrix:	SOIL
Date Analyzed:	1/29/97	Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Diesel	62.5	0	65.9	105%	72.8	116%	10%
o-Terphenyl				108%		107%	

Quality control limits for MS/MSD recovery are 32-143%

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID: 961163NB	Laboratory ID: M/NJ27H1F1
Matrix: SOIL	Date Released: 1/29/97
Date Extracted: 1/27/97	Instrument ID: HP27
Date Analyzed: 1/27/97	Concentration Units: mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	62.5	64.5	103%	66.1	106%	2%
o-Terphenyl			94%		96%	

Quality control limits for LCS/LCSD recovery are 58-118%.

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	M/NJ2711F1
Matrix:	WATER	Date Released:	1/30/97
Date Extracted:	1/27/97	Instrument ID:	HP27
Date Analyzed:	1/27/97	Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	1250	1370	110%	1370	110%	0%
o-Terphenyl			106%		104%	

Quality control limits for LCS/LCSD recovery are 34-111%.

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 65-122%.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701178- 9	SG-15	SOIL	01/21/97	1311-INORG
9701178- 9	SG-15	SOIL	01/21/97	CWETMETALS
9701178- 9	SG-15	SOIL	01/21/97	DIWETI
9701178- 1	SG-1	SOIL	01/21/97	T 22-MET
9701178- 2	SG-4	SOIL	01/21/97	T 22-MET
9701178- 4	SG-5	SOIL	01/21/97	T 22-MET
9701178- 5	SG-6	SOIL	01/21/97	T 22-MET
9701178- 6	SG-7	SOIL	01/21/97	T 22-MET
9701178- 8	SG-9	SOIL	01/21/97	T 22-MET
9701178- 9	SG-15	SOIL	01/21/97	T 22-MET
9701178-10	SG-14	SOIL	01/22/97	T 22-MET
9701178-11	SG-13	SOIL	01/22/97	T 22-MET
9701178-12	SG-8	SOIL	01/22/97	T 22-MET
9701178-13	SG-10	SOIL	01/22/97	T 22-MET
9701178-14	SG-12	SOIL	01/22/97	T 22-MET
9701178-15	SG-11	SOIL	01/22/97	T 22-MET
9701178-17	SG-16	SOIL	01/22/97	T 22-MET
9701178-18	SS-2	SOIL	01/22/97	T 22-MET
9701178-19	SS-3	SOIL	01/22/97	T 22-MET
9701178- 9	SG-15	SOIL	01/21/97	TCLPMETALS

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

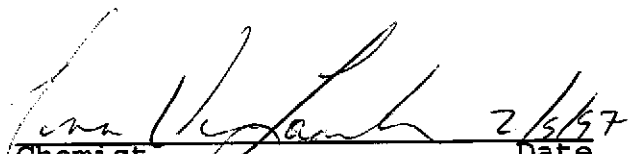
MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701178
Date Received : 01/24/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- Matrix spike recoveries for sample SG-7 were outside Inchcape Testing Services-San Jose (ITS-SJ) control limits for antimony and thallium. A post digestion spike analysis was performed, and the results were with control limits, indicating no spectral interferences.


Department Supervisor Date 2/1/97


Chemist Date 2/5/97

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-01
Client Sample ID: SG-1
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: TV
Supervisor: *AA*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.4	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	67.0	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	28.6	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	7.6	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	14.8	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	3.1	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.083	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	3.1	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	36.1	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	25.5	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	31.9	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-02
Client Sample ID: SG-4
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: TV
Supervisor: #A

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	14.4	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	103	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	26.0	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	6.4	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	20.3	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	14.1	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.27	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.7	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	20.6	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	25.7	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	62.9	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-04
Client Sample ID: SG-5
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: TV
Supervisor: KA

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	5.3	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	63.9	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	15.3	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	9.3	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	12.5	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	5.5	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.23	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	1.7	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	17.2	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	32.4	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	68.4	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-05
Client Sample ID: SG-6
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.3	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	39.1	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	5.8	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	7.2	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	8.6	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	3.7	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.11	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	1.1	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	7.0	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	34.6	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	80.4	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-06
Client Sample ID: SG-7
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: TV
Supervisor: AJ

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	8.0	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	48.0	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	34.8	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	13.7	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	12.1	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	5.3	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.098	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	47.0	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	38.9	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	54.7	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-08
Client Sample ID: SG-9
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	8.3	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	100	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	34.0	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	9.9	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	40.6	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	79.2	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.22	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	43.2	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	30.1	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	121	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-09
Client Sample ID: SG-15
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: T
Supervisor: WA

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.9	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	95.4	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	23.1	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	7.4	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.50	16.2	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	4.2	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	ND	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	48.0	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	37.5	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	33.7	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-10
Client Sample ID: SG-14
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor:

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	6.1	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	227	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	20.2	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	11.8	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	27.8	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	35.9	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	2	mg/Kg	0.066	0.93	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	26.5	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	29.0	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	120	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-11
Client Sample ID: SG-13
Client Project Number: 961163NB
Matrix: SOIL


SDG #: N/A
Date Sampled: 01/22/97
Analyst: *J*
Supervisor: *J*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	4.7	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	44.5	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.0	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	11.6	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	32.2	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	4.0	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	2	mg/Kg	0.066	0.22	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	ND	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	29.5	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	61.0	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-12
Client Sample ID: SG-8
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	3.2	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	64.3	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	11.7	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	8.5	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	12.4	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	5.0	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.16	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	1.6	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	12.6	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	36.5	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	84.9	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-13
Client Sample ID: SG-10
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	3.0	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	81.6	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	46.6	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	6.4	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	12.0	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	5.2	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.037	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	13.0	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	22.9	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	18.4	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	25.2	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-14
Client Sample ID: SG-12
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor:

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.6	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	116	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	23.6	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	6.8	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	10.6	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	7.9	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.044	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	26.1	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	21.3	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	28.9	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-15
Client Sample ID: SG-11
Client Project Number: 961163NB
Matrix: SOIL


SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor:

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	5.3	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	254	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	1.6	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	33.6	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	12.4	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	15.4	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	10.0	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	ND	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	33.7	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	33.2	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	44.6	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-17
Client Sample ID: SG-16
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.0	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	26.6	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	29.3	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.8	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	6.4	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	7.9	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	ND	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	27.3	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	19.1	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	26.2	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-18
Client Sample ID: SS-2
Client Project Number: 961163NB
Matrix: SOIL


SDG #: N/A
Date Sampled: 01/22/97
Analyst: T
Supervisor: S

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	2.8	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	33.1	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	15.7	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	6.2	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	9.2	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	6.4	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.12	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	1.5	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	23.1	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	25.9	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	48.6	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701178-19
Client Sample ID: SS-3
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/22/97
Analyst:
Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	4.2	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	54.0	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	6.2	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	10.3	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	22.0	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	2.5	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	0.048	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	9.4	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	5.0	ND	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	37.8	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	51.1	

COMMENTS:

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT

ITS-SJ Sample ID: 9701178-09
Client Sample ID: SG-15
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst:
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-TCLP	3010A	15588	6010A	ICP3	01/29/97	01/30/97	5	mg/L	0.015	0.66	

COMMENTS: TCLP extraction fluid #1.

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT

ITS-SJ Sample ID: 9701178-09
Client Sample ID: SG-15
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/21/97
Analyst: *SB*
Supervisor: *SB*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-STLC	CWET	15576	6010A	ICP3	01/30/97	01/31/97	1	mg/L	0.0030	ND	

COMMENTS: Deionized water.

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ277SC**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701178**
 Client Project Number: **961163NB**
 Matrix: **SOIL**

SDG #: **N/A**
 Prep. Batch: **15562**
 Analyst: _____
 Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Barium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	ND	
Beryllium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.50	ND	
Chromium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Cobalt	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	
Copper	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	2.5	ND	
Lead	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	0.30	ND	
Molybdenum	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Nickel	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	4.0	ND	
Selenium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Silver	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Thallium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	
Zinc	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	ND	

COMMENTS:

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT

ITS-SJ Sample ID: BJ277SA
Client Sample ID: N/A
ITS-SJ WO #: 9701178
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Prep. Batch: 15563
Analyst: [Signature]
Supervisor: [Signature]

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Mercury	7471A	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.033	ND	

COMMENTS:

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT

ITS-SJ Sample ID: **BJ297TA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701178**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15588**
Analyst: *T*
Supervisor: *G*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-TCLP	3010A	6010A	ICP3	01/29/97	01/30/97	5	mg/L	0.015	ND	

COMMENTS: TCLP extraction fluid #1.

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: BJ307EA
Client Sample ID: N/A
ITS-SJ WO #: 9701178
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Prep. Batch: 15576
Analyst: *T*
Supervisor: *J*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead-STLC	CWET	6010A	ICP3	01/30/97	01/31/97	1	mg/L	0.0030	ND	

COMMENTS: Deionized water.

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701178-06D
Client Sample ID: SG-7
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Antimony	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Arsenic	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	8.0	7.8	2.5	
Barium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	48.0	46.9	2.3	
Beryllium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Cadmium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Chromium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	34.8	34.6	0.58	
Cobalt	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	13.7	13.5	1.5	
Copper	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	12.1	12.0	0.83	
Lead	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.3	5.2	1.9	
Mercury	7471A	15563	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.098	0.075	26.6	
Molybdenum	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Nickel	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	47.0	46.6	0.85	
Selenium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Silver	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	ND	ND	N/A	
Thallium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	5	mg/Kg	ND	ND	N/A	I
Vanadium	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	38.9	38.7	0.52	
Zinc	3050A	15562	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	54.7	54.1	1.1	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701178-09D
 Client Sample ID: SG-15
 Client Project Number: 961163NB
 Matrix: SOIL



SDG #: N/A
 Analyst: J
 Supervisor: J

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Lead-TCLP	3010A	15588	6010A	ICP3	01/29/97	01/30/97	5	mg/L	0.66	0.70	5.9	

COMMENTS: TCLP extraction fluid #1.

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701178-09D
 Client Sample ID: SG-15
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: 
 Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Lead-STLC	CWET	15576	6010A	ICP3	01/30/97	01/31/97	1	mg/L	ND	ND	N/A	

COMMENTS: Deionized water.

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT

ITS-SJ Sample ID: 9701178-06MS,MD
Client Sample ID: SG-7
Client Proj. Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: T
Supervisor: *[Signature]*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.	Matrix Sp. Dup. Conc.	% Rec.	RPD	Q
Antimony	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	0.0	11.0	22.0	14.6	29.2	28.1	U
Arsenic	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	10.0	8.0	16.5	85.0	16.6	86.0	0.60	
Barium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	200	48.0	231	91.5	233	92.5	0.86	
Beryllium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	5.0	0.0	4.5	90.0	4.6	92.0	2.2	U
Cadmium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	5.0	0.0	4.2	84.0	4.3	86.0	2.4	U
Chromium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	20.0	34.8	48.6	69.0	50.7	79.5	4.2	
Cobalt	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	13.7	59.3	91.2	59.8	92.2	0.84	
Copper	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	25.0	12.1	35.1	92.0	35.5	93.6	1.1	
Lead	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	5.3	51.1	91.6	52.3	94.0	2.3	
Mercury	15563	7471A	HGA2	01/27/97	01/30/97	mg/Kg	0.17	0.098	0.29	113	0.27	101	7.1	
Molybdenum	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	10.0	0.0	9.0	90.0	9.3	93.0	3.3	U
Nickel	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	47.0	90.3	86.6	91.4	88.8	1.2	
Selenium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	5.0	0.0	4.3	86.0	4.1	82.0	4.8	U
Silver	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	5.0	0.0	4.5	90.0	4.7	94.0	4.3	U
Thallium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	10.0	0.0	7.4	74.0	8.4	84.0	12.7	U
Vanadium	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	38.9	83.0	88.2	81.5	85.2	1.8	
Zinc	15562	6010A	ICP3	01/27/97	01/28/97	mg/Kg	50.0	54.7	105	101	97.0	84.6	7.9	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9701178-09MS
 Client Sample ID: SG-15
 Client Proj. Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: *T*
 Supervisor: *[Signature]*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.				Q
Lead-TCLP	15588	6010A	ICP3	01/29/97	01/30/97	mg/L	5.0	0.66	5.5	96.8				

COMMENTS: TCLP extraction fluid #1.

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9701178-09MS
 Client Sample ID: SG-15
 Client Proj. Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: *[Signature]*
 Supervisor: *[Signature]*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.				Q
Lead-STLC	15576	6010A	ICP3	01/30/97	01/31/97	mg/L	1.0	0.0	0.97	97.0				U

COMMENTS: Deionized water.
 "C"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
POST DIGESTION SPIKE REPORT**

ITS-SJ Sample ID: 9701178-06PDS
Client Sample ID: SG-7
Client Project Number: 961163NB
Matrix: SOIL



SDG #: N/A
Analyst: *T*
Supervisor: *J*

Analyte	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	D.F.	Units	Spike Amount	Sample Conc.	PDS Conc.	% Rec.	Q
Antimony	6010A	ICP3	01/28/97	01/28/97	1	mg/Kg	12.0	0.0	12.1	101	U
Thallium	6010A	ICP3	01/28/97	01/28/97	5	mg/Kg	10.0	0.0	9.4	94.0	U

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ277SC
Client Sample ID: N/A
ITS-SJ WO #: 9701178
Client Project Number: 961163NB
Matrix: SOIL


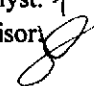
SDG #: N/A
Prep. Batch: 15562
Analyst: 
Supervisor: 

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Antimony	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	48.6	97.2	
Arsenic	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.9	99.0	
Barium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	200	199	100	
Beryllium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.6	92.0	
Cadmium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.4	88.0	
Chromium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	20.0	20.0	100	
Cobalt	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.8	100	
Copper	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	25.0	25.1	100	
Lead	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	50.1	100	
Molybdenum	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.8	98.0	
Nickel	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.4	98.8	
Selenium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	4.9	98.0	
Silver	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	5.0	5.0	100	
Thallium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	10.0	9.9	99.0	
Vanadium	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	49.1	98.2	
Zinc	3050A	6010A	ICP3	01/27/97	01/28/97	1	mg/Kg	50.0	50.8	102	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ277SA
 Client Sample ID: N/A
 ITS-SJ WO #: 9701178
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15563
 Analyst: 
 Supervisor: 

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Mercury	7471A	7471A	HGA2	01/27/97	01/30/97	1	mg/Kg	0.17	0.16	94.1	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: **LJ297TA**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701178**
 Client Project Number: **961163NB**
 Matrix: **SOIL**

SDG #: **N/A**
 Prep. Batch: **15588**
 Analyst:
 Supervisor:

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead-TCLP	3010A	6010A	ICP3	01/29/97	01/30/97	5	mg/L	5.0	5.0	100	

COMMENTS: TCLP extraction fluid #1.

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ317EE
 Client Sample ID: N/A
 ITS-SJ WO #: 9701178
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15576
 Analyst: [Signature]
 Supervisor: [Signature]

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead-STLC	CWET	6010A	ICP3	01/30/97	01/31/97	1	mg/L	1.0	1.0	100	

COMMENTS: Deionized water.
 "C"



Services

SAMPLE RECEIVING CHECKLIST

Workorder Number: 9701178	Client Project ID: 961163NR	Quote Number:
Cooler		
Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO <input type="radio"/> N/A <input type="radio"/>
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <input type="radio"/> N/A <input type="radio"/>
Temperature of sample(s) within range? List temperatures of cooler(s): 5°C, 6°C, 6°C, 5°C, 5°C, 6°C, 6°C Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<input checked="" type="radio"/> YES	NO <input type="radio"/> N/A <input type="radio"/>
	IR-1	Temp Blank _____
Samples		
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <input type="radio"/> N/A <input type="radio"/>
Samples arrived within holding time?	<input checked="" type="radio"/> YES	NO <input type="radio"/> N/A <input type="radio"/>
Samples in proper containers for methods requested? Condition of containers: Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO <input type="radio"/>
VOA containers received with zero headspace or bubbles < 6 mm?	<input checked="" type="radio"/> YES	NO <input type="radio"/> N/A <input type="radio"/>
Container labels complete? (ID, date, time, preservative)	<input checked="" type="radio"/> YES	NO <input type="radio"/> N/A <input type="radio"/>
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO <input type="radio"/> N/A <input type="radio"/>
pH check of samples required at time of receipt? (volatiles checked at analysis) If YES, pH checked and recorded by: JP	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Field blanks received with sample batch?	YES	NO <input type="radio"/> N/A <input type="radio"/>
Trip blanks received with sample batch?	YES	NO <input type="radio"/> N/A <input type="radio"/>
Chain of Custody		
Chain of custody form received with samples?	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Has it been filled out completely and in ink?	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Sample IDs on chain of custody form agree with labels?	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Number of containers on chain agree with number received?	YES	<input checked="" type="radio"/> NO <input type="radio"/>
Analysis methods specified?	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Sampling date and time indicated?	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO <input type="radio"/>
Turnaround time? Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: JP Date: 1-24-97 Project Manager: [Signature] Date: 2/14/97

9701178 (16) (15) (24) (10/2)

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. **961163NB**

SAMPLERS: (Signature)
Serene League

ANALYSIS
EPA 805 TPA. lead
EPA 805 TPA. cad
EPA 805 TPA. mercury
TTC 2296 lead
DEI Wet, TCLP Metals

Sample Matrix
(S)oil, (W)ater, (A)ir

EPA Method 8260

EPA Method 8270

EPA Method 8081

EPA Method 8150 - DALIAS

EPA 805 TPA. lead

EPA 805 TPA. cad

EPA 805 TPA. mercury

TTC 2296 lead

DEI Wet, TCLP Metals

Number of Containers

REMARKS
(Sample preservation, handling procedures, etc.)

DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	EPA Method 8260	EPA Method 8270	EPA Method 8081	EPA Method 8150 - DALIAS	EPA 805 TPA. lead	EPA 805 TPA. cad	EPA 805 TPA. mercury	TTC 2296 lead	DEI Wet, TCLP Metals	Number of Containers
1/21/97	8:15	SG-1	S	X	X	X	X	X	X	X	X	X	7
2	9:30	SG-4	S	X	X	X	X	X	X	X	X	X	1
3	10:00	G-4	W	X	X	X	X	X	X	X	X	X	7
4	12:00	SG-5	S	X	X	X	X	X	X	X	X	X	1
5	12:15	SG-6	S	X	X	X	X	X	X	X	X	X	1
6	14:45	SG-7	S	X	X	X	X	X	X	X	X	X	1
7	15:00	G-7	W	X	X	X	X	X	X	X	X	X	7
8	16:00	SG-9	S	X	X	X	X	X	X	X	X	X	1
9	17:00	SG-15	S	X	X	X	X	X	X	X	X	X	1
10	1/22/97	7:30	SG-14	S	X	X	X	X	X	X	X	X	1
11	8:15	SG-13	S	X	X	X	X	X	X	X	X	X	1
12	9:00	SG-8	S	X	X	X	X	X	X	X	X	X	1
13	10:00	SG-10	S	X	X	X	X	X	X	X	X	X	1
14	10:30	SG-12	S	X	X	X	X	X	X	X	X	X	1
15	11:00	SG-11	S	X	X	X	X	X	X	X	X	X	1
16	11:30	G-12	W	X	X	X	X	X	X	X	X	X	7
17	14:00	SG-16	S	X	X	X	X	X	X	X	X	X	1
18	15:00	SS-2	S	X	X	X	X	X	X	X	X	X	1
19	15:30	SS-3	S	X	X	X	X	X	X	X	X	X	1
20	15:00	G-15	W	X	X	X	X	X	X	X	X	X	7
	15:40	SS-6	S	X	X	X	X	X	X	X	X	X	7
	15:45	SS-7	S	X	X	X	X	X	X	X	X	X	1
	15:50	SS-8	S	X	X	X	X	X	X	X	X	X	1
1/22-1		G-1	W	X	X	X	X	X	X	X	X	X	7
1/22-1	16:00	G-5	W	X	X	X	X	X	X	X	X	X	4
1/22-	16:00	G-14	W	X	X	X	X	X	X	X	X	X	4
1/22/97	17:00	G-13	W	X	X	X	X	X	X	X	X	X	7

Please
DEI WETC
TCLP Metals
* Analysis on
hold depending
on the results for Soil

** Metals: Filter
& preserve.

CWET TTMET.
TCLP LEAD

Questions
Serene (510) 874 3184
A. Ridley (510) 874 3125

6 coolers.

TOTAL NUMBER OF CONTAINERS **69**

RELINQUISHED BY: (Signature)
Serene League

DATE/TIME
1/23/97
17:00

RECEIVED BY: (Signature)
Laura Olson

RELINQUISHED BY: (Signature)
Laura Olson

DATE/TIME
1/24/97 13:15

RECEIVED BY: (Signature)

METHOD OF SHIPMENT: **Fed Ex**

Mail

SHIPPED BY: (Signature)

COURIER: (Signature)

RECEIVED FOR LAB BY: (Signature)

DATE/TIME
1/24/97 13:15



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95131
 Tel: 408-432-8192
 Fax: 408-432-8198

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701190
 Date Received : 01/27/97
 Project ID : 961163NB
 Purchase Order: N/A

The following samples were received at Inchcape for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9701190- 1	G-5
9701190- 2	G-6
9701190- 3	G-8
9701190- 4	G-11
9701190- 5	SS-5
9701190- 6	SS-4
9701190- 7	SS-9
9701190- 8	SS-10
9701190- 9	SS-11

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.


 Project Manager

2/12/97
 Date

This report consists of 85 pages.



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 5	SS-5	SOIL	01/26/97	8270
9701190- 6	SS-4	SOIL	01/26/97	8270
9701190- 7	SS-9	SOIL	01/26/97	8270
9701190- 8	SS-10	SOIL	01/26/97	8270
9701190- 5	SS-5	SOIL	01/26/97	S8260
9701190- 6	SS-4	SOIL	01/26/97	S8260
9701190- 7	SS-9	SOIL	01/26/97	S8260
9701190- 8	SS-10	SOIL	01/26/97	S8260

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701190

QUALITY CONTROL PROBLEMS:

Semivolatiles

- All holding times have been met for the analyses reported in this section.
- Due to the complex nature of the sample matrices, samples SS-4 and SS-10 were analyzed at 5-fold dilutions with low recoveries of internal standard perylene-d12. These samples were reanalyzed with similar results for perylene-d12. Both analyses are reported.
- Due to the complex nature of the sample matrices, samples SS-5, SS-5MS, SS-5MSD were analyzed at 10-fold dilutions with low recoveries of internal standard perylene-d12, indicating a possible matrix effect.
- Due to the complex nature of the sample matrix, sample SS-9 was analyzed at a 10-fold dilution with a low recovery of internal standard perylene-d12. This sample was reanalyzed with similar results for perylene-d12. Both analyses are reported.

Vicki L. Knight for
Vicki L. Knight
GC/MS Supervisor

1-31-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-5
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-05
 Lab File ID : MPJ19005
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-5
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-05
 Lab File ID : MPJ19005
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo(a)anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo(b)fluoranthene	3300	ND	U
207-08-9	Benzo(k)fluoranthene	3300	ND	U
50-32-8	Benzo(a)pyrene	3300	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	ND	U
53-70-3	Dibenz(a,h)anthracene	3300	ND	U
191-24-2	Benzo(g,h,i)perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-4
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-06
 Lab File ID : MPJ19006

% Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-4
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-06
 Lab File ID : MPJ19006
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-4RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-06
 Lab File ID : MRJ19006
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-4RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-06
 Lab File ID : MRJ19006

% Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-9
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-07
 Lab File ID : MPJ19007
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	UU
95-57-8	2-Chlorophenol	3300	ND	UU
541-73-1	1,3-Dichlorobenzene	3300	ND	UU
106-46-7	1,4-Dichlorobenzene	3300	ND	UU
95-50-1	1,2-Dichlorobenzene	3300	ND	UU
95-48-7	2-Methylphenol	3300	ND	UU
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	UU
106-44-5	4-Methylphenol	3300	ND	UU
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	UU
67-72-1	Hexachloroethane	3300	ND	UU
98-95-3	Nitrobenzene	3300	ND	UU
78-59-1	Isophorone	3300	ND	UU
88-75-5	2-Nitrophenol	3300	ND	UU
105-67-9	2,4-Dimethylphenol	3300	ND	UU
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	UU
120-83-2	2,4-Dichlorophenol	3300	ND	UU
120-82-1	1,2,4-Trichlorobenzene	3300	ND	UU
91-20-3	Naphthalene	3300	ND	UU
106-47-8	4-Chloroaniline	3300	ND	UU
87-68-3	Hexachlorobutadiene	3300	ND	UU
59-50-7	4-Chloro-3-Methylphenol	3300	ND	UU
91-57-6	2-Methylnaphthalene	3300	ND	UU
77-47-4	Hexachlorocyclopentadiene	3300	ND	UU
88-06-2	2,4,6-Trichlorophenol	3300	ND	UU
95-95-4	2,4,5-Trichlorophenol	17000	ND	UU
91-58-7	2-Chloronaphthalene	3300	ND	UU
88-74-4	2-Nitroaniline	17000	ND	UU
131-11-3	Dimethylphthalate	3300	ND	UU
208-96-8	Acenaphthylene	3300	ND	UU
606-20-2	2,6-Dinitrotoluene	3300	ND	UU
99-09-2	3-Nitroaniline	17000	ND	UU
83-32-9	Acenaphthene	3300	ND	UU
51-28-5	2,4-Dinitrophenol	17000	ND	UU
100-02-7	4-Nitrophenol	17000	ND	UU
132-64-9	Dibenzofuran	3300	ND	UU
121-14-2	2,4-Dinitrotoluene	3300	ND	UU
84-66-2	Diethylphthalate	3300	ND	UU
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	UU
86-73-7	Fluorene	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-9
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-07
 Lab File ID : MPJ19007
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	U
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	U
101-55-3	4-Bromophenyl-phenylether	3300	ND	U
118-74-1	Hexachlorobenzene	3300	ND	U
87-86-5	Pentachlorophenol	3300	ND	U
85-01-8	Phenanthrene	3300	ND	U
120-12-7	Anthracene	3300	ND	U
84-74-2	Di-n-butylphthalate	3300	ND	U
206-44-0	Fluoranthene	3300	ND	U
129-00-0	Pyrene	3300	ND	U
85-68-7	Butylbenzylphthalate	3300	ND	U
91-94-1	3,3'-Dichlorobenzidine	6600	ND	U
56-55-3	Benzo (a) anthracene	3300	ND	U
218-01-9	Chrysene	3300	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	ND	U
117-84-0	Di-n-octylphthalate	3300	ND	U
205-99-2	Benzo (b) fluoranthene	3300	ND	U
207-08-9	Benzo (k) fluoranthene	3300	ND	U
50-32-8	Benzo (a) pyrene	3300	ND	U
193-39-5	Indeno (1,2,3-cd) pyrene	3300	ND	U
53-70-3	Dibenz (a, h) anthracene	3300	ND	U
191-24-2	Benzo (g, h, i) perylene	3300	ND	U
100-51-6	Benzyl Alcohol	3300	ND	U
65-85-0	Benzoic Acid	17000	ND	U
62-75-9	N-Nitrosodimethylamine	3300	ND	U
103-33-3	Azobenzene	3300	ND	U
92-87-5	Benzidine	3300	ND	U
4165-61-1	Aniline	3300	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-9RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-07
 Lab File ID : MRJ19007
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	3300	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	3300	ND	U
95-57-8	2-Chlorophenol	3300	ND	U
541-73-1	1,3-Dichlorobenzene	3300	ND	U
106-46-7	1,4-Dichlorobenzene	3300	ND	U
95-50-1	1,2-Dichlorobenzene	3300	ND	U
95-48-7	2-Methylphenol	3300	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	ND	U
106-44-5	4-Methylphenol	3300	ND	U
621-64-7	N-Nitroso-di-n-propylamine	3300	ND	U
67-72-1	Hexachloroethane	3300	ND	U
98-95-3	Nitrobenzene	3300	ND	U
78-59-1	Isophorone	3300	ND	U
88-75-5	2-Nitrophenol	3300	ND	U
105-67-9	2,4-Dimethylphenol	3300	ND	U
111-91-1	bis(2-Chloroethoxy)methane	3300	ND	U
120-83-2	2,4-Dichlorophenol	3300	ND	U
120-82-1	1,2,4-Trichlorobenzene	3300	ND	U
91-20-3	Naphthalene	3300	ND	U
106-47-8	4-Chloroaniline	3300	ND	U
87-68-3	Hexachlorobutadiene	3300	ND	U
59-50-7	4-Chloro-3-Methylphenol	3300	ND	U
91-57-6	2-Methylnaphthalene	3300	ND	U
77-47-4	Hexachlorocyclopentadiene	3300	ND	U
88-06-2	2,4,6-Trichlorophenol	3300	ND	U
95-95-4	2,4,5-Trichlorophenol	17000	ND	U
91-58-7	2-Chloronaphthalene	3300	ND	U
88-74-4	2-Nitroaniline	17000	ND	U
131-11-3	Dimethylphthalate	3300	ND	U
208-96-8	Acenaphthylene	3300	ND	U
606-20-2	2,6-Dinitrotoluene	3300	ND	U
99-09-2	3-Nitroaniline	17000	ND	U
83-32-9	Acenaphthene	3300	ND	U
51-28-5	2,4-Dinitrophenol	17000	ND	U
100-02-7	4-Nitrophenol	17000	ND	U
132-64-9	Dibenzofuran	3300	ND	U
121-14-2	2,4-Dinitrotoluene	3300	ND	U
84-66-2	Diethylphthalate	3300	ND	U
7005-72-3	4-Chlorophenyl-phenylether	3300	ND	U
86-73-7	Fluorene	3300	ND	U

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120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-9RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-07
 Lab File ID : MRJ19007
 % Moisture : _____
 Dilution Factor : 10.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	17000	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	ND	UU
86-30-6	N-nitrosodiphenylamine (1)	3300	ND	UU
101-55-3	4-Bromophenyl-phenylether	3300	ND	UU
118-74-1	Hexachlorobenzene	3300	ND	UU
87-86-5	Pentachlorophenol	3300	ND	UU
85-01-8	Phenanthrene	3300	ND	UU
120-12-7	Anthracene	3300	ND	UU
84-74-2	Di-n-butylphthalate	3300	ND	UU
206-44-0	Fluoranthene	3300	ND	UU
129-00-0	Pyrene	3300	ND	UU
85-68-7	Butylbenzylphthalate	3300	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-10
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-08
 Lab File ID : MPJ19008
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	UUU
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	UUU
101-55-3	4-Bromophenyl-phenylether	1600	ND	UUU
118-74-1	Hexachlorobenzene	1600	ND	UUU
87-86-5	Pentachlorophenol	1600	ND	UUU
85-01-8	Phenanthrene	1600	ND	UUU
120-12-7	Anthracene	1600	ND	UUU
84-74-2	Di-n-butylphthalate	1600	ND	UUU
206-44-0	Fluoranthene	1600	ND	UUU
129-00-0	Pyrene	1600	ND	UUU
85-68-7	Butylbenzylphthalate	1600	ND	UUU
91-94-1	3,3'-Dichlorobenzidine	3300	ND	UUU
56-55-3	Benzo(a)anthracene	1600	ND	UUU
218-01-9	Chrysene	1600	ND	UUU
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	UUU
117-84-0	Di-n-octylphthalate	1600	ND	UUU
205-99-2	Benzo(b)fluoranthene	1600	ND	UUU
207-08-9	Benzo(k)fluoranthene	1600	ND	UUU
50-32-8	Benzo(a)pyrene	1600	ND	UUU
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	UUU
53-70-3	Dibenz(a,h)anthracene	1600	ND	UUU
191-24-2	Benzo(g,h,i)perylene	1600	ND	UUU
100-51-6	Benzyl Alcohol	1600	ND	UUU
65-85-0	Benzoic Acid	8500	ND	UUU
62-75-9	N-Nitrosodimethylamine	1600	ND	UUU
103-33-3	Azobenzene	1600	ND	UUU
92-87-5	Benzidine	1600	ND	UUU
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-10RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-08
 Lab File ID : MRJ19008
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	1600	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	1600	ND	U
95-57-8	2-Chlorophenol	1600	ND	U
541-73-1	1,3-Dichlorobenzene	1600	ND	U
106-46-7	1,4-Dichlorobenzene	1600	ND	U
95-50-1	1,2-Dichlorobenzene	1600	ND	U
95-48-7	2-Methylphenol	1600	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	ND	U
106-44-5	4-Methylphenol	1600	ND	U
621-64-7	N-Nitroso-di-n-propylamine	1600	ND	U
67-72-1	Hexachloroethane	1600	ND	U
98-95-3	Nitrobenzene	1600	ND	U
78-59-1	Isophorone	1600	ND	U
88-75-5	2-Nitrophenol	1600	ND	U
105-67-9	2,4-Dimethylphenol	1600	ND	U
111-91-1	bis(2-Chloroethoxy)methane	1600	ND	U
120-83-2	2,4-Dichlorophenol	1600	ND	U
120-82-1	1,2,4-Trichlorobenzene	1600	ND	U
91-20-3	Naphthalene	1600	ND	U
106-47-8	4-Chloroaniline	1600	ND	U
87-68-3	Hexachlorobutadiene	1600	ND	U
59-50-7	4-Chloro-3-Methylphenol	1600	ND	U
91-57-6	2-Methylnaphthalene	1600	ND	U
77-47-4	Hexachlorocyclopentadiene	1600	ND	U
88-06-2	2,4,6-Trichlorophenol	1600	ND	U
95-95-4	2,4,5-Trichlorophenol	8500	ND	U
91-58-7	2-Chloronaphthalene	1600	ND	U
88-74-4	2-Nitroaniline	8500	ND	U
131-11-3	Dimethylphthalate	1600	ND	U
208-96-8	Acenaphthylene	1600	ND	U
606-20-2	2,6-Dinitrotoluene	1600	ND	U
99-09-2	3-Nitroaniline	8500	ND	U
83-32-9	Acenaphthene	1600	ND	U
51-28-5	2,4-Dinitrophenol	8500	ND	U
100-02-7	4-Nitrophenol	8500	ND	U
132-64-9	Dibenzofuran	1600	ND	U
121-14-2	2,4-Dinitrotoluene	1600	ND	U
84-66-2	Diethylphthalate	1600	ND	U
7005-72-3	4-Chlorophenyl-phenylether	1600	ND	U
86-73-7	Fluorene	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-10RE
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Amount Extracted : 30.0 g
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701190-08
 Lab File ID : MRJ19008

% Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	8500	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	ND	U
86-30-6	N-nitrosodiphenylamine (1)	1600	ND	U
101-55-3	4-Bromophenyl-phenylether	1600	ND	U
118-74-1	Hexachlorobenzene	1600	ND	U
87-86-5	Pentachlorophenol	1600	ND	U
85-01-8	Phenanthrene	1600	ND	U
120-12-7	Anthracene	1600	ND	U
84-74-2	Di-n-butylphthalate	1600	ND	U
206-44-0	Fluoranthene	1600	ND	U
129-00-0	Pyrene	1600	ND	U
85-68-7	Butylbenzylphthalate	1600	ND	U
91-94-1	3,3'-Dichlorobenzidine	3300	ND	U
56-55-3	Benzo(a)anthracene	1600	ND	U
218-01-9	Chrysene	1600	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	ND	U
117-84-0	Di-n-octylphthalate	1600	ND	U
205-99-2	Benzo(b)fluoranthene	1600	ND	U
207-08-9	Benzo(k)fluoranthene	1600	ND	U
50-32-8	Benzo(a)pyrene	1600	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	ND	U
53-70-3	Dibenz(a,h)anthracene	1600	ND	U
191-24-2	Benzo(g,h,i)perylene	1600	ND	U
100-51-6	Benzyl Alcohol	1600	ND	U
65-85-0	Benzoic Acid	8500	ND	U
62-75-9	N-Nitrosodimethylamine	1600	ND	U
103-33-3	Azobenzene	1600	ND	U
92-87-5	Benzidine	1600	ND	U
4165-61-1	Aniline	1600	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKM3
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/96
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H2B1
 Lab File ID : BJ28H2B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	330	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	330	ND	U
95-57-8	2-Chlorophenol	330	ND	U
541-73-1	1,3-Dichlorobenzene	330	ND	U
106-46-7	1,4-Dichlorobenzene	330	ND	U
95-50-1	1,2-Dichlorobenzene	330	ND	U
95-48-7	2-Methylphenol	330	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	ND	U
106-44-5	4-Methylphenol	330	ND	U
621-64-7	N-Nitroso-di-n-propylamine	330	ND	U
67-72-1	Hexachloroethane	330	ND	U
98-95-3	Nitrobenzene	330	ND	U
78-59-1	Isophorone	330	ND	U
88-75-5	2-Nitrophenol	330	ND	U
105-67-9	2,4-Dimethylphenol	330	ND	U
111-91-1	bis(2-Chloroethoxy)methane	330	ND	U
120-83-2	2,4-Dichlorophenol	330	ND	U
120-82-1	1,2,4-Trichlorobenzene	330	ND	U
91-20-3	Naphthalene	330	ND	U
106-47-8	4-Chloroaniline	330	ND	U
87-68-3	Hexachlorobutadiene	330	ND	U
59-50-7	4-Chloro-3-Methylphenol	330	ND	U
91-57-6	2-Methylnaphthalene	330	ND	U
77-47-4	Hexachlorocyclopentadiene	330	ND	U
88-06-2	2,4,6-Trichlorophenol	330	ND	U
95-95-4	2,4,5-Trichlorophenol	1700	ND	U
91-58-7	2-Chloronaphthalene	330	ND	U
88-74-4	2-Nitroaniline	1700	ND	U
131-11-3	Dimethylphthalate	330	ND	U
208-96-8	Acenaphthylene	330	ND	U
606-20-2	2,6-Dinitrotoluene	330	ND	U
99-09-2	3-Nitroaniline	1700	ND	U
83-32-9	Acenaphthene	330	ND	U
51-28-5	2,4-Dinitrophenol	1700	ND	U
100-02-7	4-Nitrophenol	1700	ND	U
132-64-9	Dibenzofuran	330	ND	U
121-14-2	2,4-Dinitrotoluene	330	ND	U
84-66-2	Diethylphthalate	330	ND	U
7005-72-3	4-Chlorophenyl-phenylether	330	ND	U
86-73-7	Fluorene	330	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID : 961163NB
 Sample ID : SBLKM3
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/96
 Amount Extracted : 30.0 g
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BJ28H2B1
 Lab File ID : BJ28H2B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	1700	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	ND	UU
86-30-6	N-nitrosodiphenylamine (1)	330	ND	UU
101-55-3	4-Bromophenyl-phenylether	330	ND	UU
118-74-1	Hexachlorobenzene	330	ND	UU
87-86-5	Pentachlorophenol	330	ND	UU
85-01-8	Phenanthrene	330	ND	UU
120-12-7	Anthracene	330	ND	UU
84-74-2	Di-n-butylphthalate	330	ND	UU
206-44-0	Fluoranthene	330	ND	UU
129-00-0	Pyrene	330	ND	UU
85-68-7	Butylbenzylphthalate	330	ND	UU
91-94-1	3,3'-Dichlorobenzidine	660	ND	UU
56-55-3	Benzo(a)anthracene	330	ND	UU
218-01-9	Chrysene	330	ND	UU
117-81-7	bis(2-Ethylhexyl)phthalate	660	ND	UU
117-84-0	Di-n-octylphthalate	330	ND	UU
205-99-2	Benzo(b)fluoranthene	330	ND	UU
207-08-9	Benzo(k)fluoranthene	330	ND	UU
50-32-8	Benzo(a)pyrene	330	ND	UU
193-39-5	Indeno(1,2,3-cd)pyrene	330	ND	UU
53-70-3	Dibenz(a,h)anthracene	330	ND	UU
191-24-2	Benzo(g,h,i)perylene	330	ND	UU
100-51-6	Benzyl Alcohol	330	ND	UU
65-85-0	Benzoic Acid	1700	ND	UU
62-75-9	N-Nitrosodimethylamine	330	ND	UU
103-33-3	Azobenzene	330	ND	UU
92-87-5	Benzidine	330	ND	UU
4165-61-1	Aniline	330	ND	UU

(1) - Cannot be separated from Diphenylamine

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701190
 Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKM3	68	45	60	63	72	70	64	80	0
02	SLCSM3	74	71	73	74	70	74	69	84	0
03	SLCSDM3	72	67	73	71	72	72	67	80	0
04	SS-4	77	57	68	75	97	74	66	83	0
05	SS-10	76	59	67	79	100	76	69	82	0
06	SS-9	88	71	78	87	106	84	76	82	0
07	SS-4RE	77	58	68	76	104	76	68	83	0
08	SS-10RE	77	58	67	80	106	77	68	88	0
09	SS-9RE	87	72	78	87	114	84	77	82	0
10	SS-5	88	67	80	86	125	86	78	81	0
11	SS-5MS	78	64	67	77	110	76	70	71	0
12	SS-5MSD	87	70	82	89	128	86	79	81	0
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (23-120)
 S4 (FBP) = 2-Fluorobiphenyl (30-115)
 S5 (TPH) = Terphenyl-d14 (18-137)
 S6 (PHL) = Phenol-d5 (24-113)
 S7 (2FP) = 2-Fluorophenol (25-121)
 S8 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-5
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/28/97
 Date Analyzed : 01/29/97
 Instrument ID : msd4.i

Anamatrix ID : 9701190-05

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2500	0.0	1900	76	14-118
2-Chlorophenol	2500	0.0	2000	80	31-113
1,4-Dichlorobenzene	1700	0.0	990	58	32-125
N-Nitroso-di-n-prop. (1)	1700	0.0	1200	70	32-129
1,2,4-Trichlorobenzene	1700	0.0	1200	70	29-150
4-Chloro-3-Methylphenol	2500	0.0	1900	76	32-104
Acenaphthene	1700	0.0	1500	88	29-139
4-Nitrophenol	2500	0.0	1400	56	33-114
2,4-Dinitrotoluene	1700	0.0	800	47	34-115
Pentachlorophenol	2500	0.0	1500	60	20-126
Pyrene	1700	0.0	2000	118	28-143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	2500	2200	88	15	30	14-118
2-Chlorophenol	2500	2300	92	14	30	31-113
1,4-Dichlorobenzene	1700	1200	70	19	30	32-125
N-Nitroso-di-n-prop. (1)	1700	1400	82	16	30	32-129
1,2,4-Trichlorobenzene	1700	1500	88	23	30	29-150
4-Chloro-3-Methylphenol	2500	2200	88	15	30	32-104
Acenaphthene	1700	1700	100	13	30	29-139
4-Nitrophenol	2500	1600	64	13	30	33-114
2,4-Dinitrotoluene	1700	930	55	16	30	34-115
Pentachlorophenol	2500	1700	68	12	30	20-126
Pyrene	1700	2300	135	13	30	28-143

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKM3
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/28/96
 Prep. Batch ID : hdj28x42
 Date Analyzed : 01/28/97
 Instrument ID : msd4.i

Lab File ID : MJ28H2B1/NJ28H2B1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500	0.0	1700	68	34-114
2-Chlorophenol	2500	0.0	1800	72	41-111
1,4-Dichlorobenzene	1700	0.0	1100	65	39-100
N-Nitroso-di-n-prop. (1)	1700	0.0	1300	76	27-105
1,2,4-Trichlorobenzene	1700	0.0	1200	70	40-119
4-Chloro-3-Methylphenol	2500	0.0	2000	80	40-126
Acenaphthene	1700	0.0	1200	70	42-111
4-Nitrophenol	2500	0.0	2400	96	25-145
2,4-Dinitrotoluene	1700	0.0	1400	82	44-128
Pentachlorophenol	2500	0.0	2200	88	45-144
Pyrene	1700	0.0	1300	76	39-129

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	2500	1600	64	6	30	34-114
2-Chlorophenol	2500	1800	72	0	30	41-111
1,4-Dichlorobenzene	1700	1100	65	0	30	39-100
N-Nitroso-di-n-prop. (1)	1700	1200	70	8	30	27-105
1,2,4-Trichlorobenzene	1700	1200	70	0	30	40-119
4-Chloro-3-Methylphenol	2500	2000	80	0	30	40-126
Acenaphthene	1700	1200	70	0	30	42-111
4-Nitrophenol	2500	2300	92	4	30	25-145
2,4-Dinitrotoluene	1700	1300	76	8	30	44-128
Pentachlorophenol	2500	2200	88	0	30	45-144
Pyrene	1700	1300	76	0	30	39-129

(1) N-Nitroso-di-n-propylamine
 # Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS:



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U** - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B** - Indicates that the compound was detected in the associated method blank.
- J** - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E** - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D** - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A** - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 5	SS-5	SOIL	01/26/97	8270
9701190- 6	SS-4	SOIL	01/26/97	8270
9701190- 7	SS-9	SOIL	01/26/97	8270
9701190- 8	SS-10	SOIL	01/26/97	8270
9701190- 5	SS-5	SOIL	01/26/97	S8260
9701190- 6	SS-4	SOIL	01/26/97	S8260
9701190- 7	SS-9	SOIL	01/26/97	S8260
9701190- 8	SS-10	SOIL	01/26/97	S8260

CASE NARRATIVE

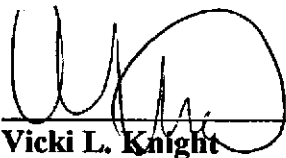
S.D.G. No. N/A

WORKORDER No. 9701190

QUALITY CONTROL PROBLEMS:

Volatiles

- All holding times have been met for the analyses reported in this section.
- No QA\QC problems were encountered.



Vicki L. Knight
GC/MS Supervisor

2-12-97

Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-5
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : 9701190-05
 Lab File ID : MPJ19005
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-4
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Analyzed : 02/03/97
 Instrument ID : msd2.i

Anamatrix ID : 9701190-06
 Lab File ID : MRJ19006
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	5	ND	U
71-55-6	1,1,1-Trichloroethane	20	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-9
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Analyzed : 02/03/97
 Instrument ID : msd2.i

Anamatrix ID : 9701190-07
 Lab File ID : MRJ19007
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	16
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-10
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Analyzed : 02/03/97
 Instrument ID : msd2.i

Anamatrix ID : 9701190-08
 Lab File ID : MRJ19008
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	5	ND	U
71-55-6	1,1,1-Trichloroethane	20	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBF
 Matrix : SOIL
 Date Sampled :
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Anamatrix ID : BJ2801A1
 Lab File ID : BJ2801A1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBH
 Matrix : SOIL
 Date Sampled :
 Date Analyzed : 02/03/97
 Instrument ID : msd2.i

Anamatrix ID : BF0302A1
 Lab File ID : BF0302A1
 % Moisture :
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701190
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VLKBF	94	94	92		0
02	VLCSBF	96	93	92		0
03	VLCSDBF	94	94	95		0
04	SS-5	94	94	94		0
05	VLKBH	93	91	92		0
06	VLCSBH	93	92	94		0
07	SS-4	94	93	96		0
08	SS-9	94	91	95		0
09	SS-10	92	92	96		0
10	VLCSDBH	92	94	96		0
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS
 SMC1 (TOL) = Toluene-d8 (77-119)
 SMC2 (BFB) = Bromofluorobenzene (78-116)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (78-125)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKBH
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : 02f03a1a
 Date Analyzed : 02/03/97
 Instrument ID : msd2.i

Lab File ID : MF0302A1/NF0303A1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	52	104	78-150
Trichloroethene	50	0.0	40	80	64-135
Benzene	50	0.0	44	88	85-120
Toluene	50	0.0	45	90	88-119
Chlorobenzene	50	0.0	43	86	86-116

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	54	108	4	25	78-150
Trichloroethene	50	42	84	5	25	64-135
Benzene	50	47	94	6	25	85-120
Toluene	50	47	94	4	25	88-119
Chlorobenzene	50	43	86	0	25	86-116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKBF
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : 02j28a1a
 Date Analyzed : 01/28/97
 Instrument ID : msd2.i

Lab File ID : MJ2801A1/NJ2801A1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	78-150
Trichloroethene	50	0.0	48	96	64-135
Benzene	50	0.0	50	100	85-120
Toluene	50	0.0	52	104	88-119
Chlorobenzene	50	0.0	50	100	86-116

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	50	50	100	0	25 78-150
Trichloroethene	50	46	92	4	25 64-135
Benzene	50	49	98	2	25 85-120
Toluene	50	50	100	4	25 88-119
Chlorobenzene	50	49	98	2	25 86-116

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:



GC/PESTICIDE REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing Inchcape Testing Services ID Number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*" and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery, Laboratory Control Sample Forms

These forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes, laboratory control samples and their duplicates. This information is a statement of accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "**".

Qualifiers

Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed, but not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- P - Indicates that the value reported for this compound differed by more than 25% between the two columns. When this occurs, the lower value is reported.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages do display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 4	G-11	WATER	01/26/97	8081
9701190- 5	SS-5	SOIL	01/26/97	8081
9701190- 6	SS-4	SOIL	01/26/97	8081
9701190- 7	SS-9	SOIL	01/26/97	8081
9701190- 8	SS-10	SOIL	01/26/97	8081

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701190

QUALITY CONTROL PROBLEMS:

Pesticides

- All holding times have been met for the analyses reported in this section.
- Insufficient sample volume was available to perform matrix spike and matrix spike duplicate analyses for this batch of samples. Batch laboratory control sample and laboratory control sample duplicate analyses were performed instead.
- Due to the complex nature of the sample matrices, samples SS-4 and SS-10 were analyzed at 2-fold dilutions, sample SS-9 at a 5-fold dilution, and sample SS-5 at a 50-fold dilution. At these dilutions, the surrogate compounds were not recovered for sample SS-5.
- Sample G-11 had low surrogate recoveries and could not be reextracted due to insufficient sample volume.
- The Method Blank PBLKI9 had a high recovery of surrogate tetrachloro-m-xylene on the primary column, possibly due to a carry over from previous injections. The sample had acceptable recovery of surrogate tetrachloro-m-xylene on the confirmation column. Surrogate recoveries were reported on both columns.
- The continuing calibration standards SF07X8P1 and SF07Y1P1 had responses for alpha-BHC that were outside the acceptance criteria for both columns. In addition, continuing calibration standard SF07X8P1 had responses for delta-BHC that was outside the acceptance criteria for the confirmation column. Since the detector was becoming more sensitive for these analytes, and no peaks were detected within the retention time windows, the analytes were reported as "ND."
- The continuing calibration standard SF05X1P1 had responses for methoxychlor that were outside the acceptance criteria for the primary column. All responses were acceptable for the confirmation column.



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-11-97

Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-11
 Matrix : WATER
 Date Sampled : 01/26/97
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26_2.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701190-04
 Lab File ID : EPJ19004
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-5
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701190-05
 Lab File ID : EPJ19005
 % Moisture : _____
 Dilution Factor : 50.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	85	ND	U
319-85-7	beta-BHC	85	ND	U
319-86-8	delta-BHC	85	ND	U
58-89-9	gamma-BHC (Lindane)	85	ND	U
76-44-8	Heptachlor	85	ND	U
309-00-2	Aldrin	85	ND	U
1024-57-3	Heptachlor epoxide	85	ND	U
959-98-8	Endosulfan I	85	540	P
60-57-1	Dieldrin	160	ND	U
72-55-9	4,4'-DDE	160	ND	U
72-20-8	Endrin	160	ND	U
33213-65-9	Endosulfan II	160	ND	U
72-54-8	4,4'-DDD	160	ND	U
1031-07-8	Endosulfan sulfate	160	ND	U
50-29-3	4,4'-DDT	160	ND	U
72-43-5	Methoxychlor	850	ND	U
53494-70-5	Endrin ketone	160	ND	U
7421-93-4	Endrin aldehyde	160	ND	U
5103-71-9	alpha-Chlordane	85	ND	U
5103-74-2	gamma-Chlordane	85	ND	U
8001-35-2	Toxaphene	1600	ND	U
12789-03-6	Technical chlordane	1600	ND	U
12674-11-2	Aroclor-1016	1600	ND	U
11104-28-2	Aroclor-1221	1600	ND	U
1114-11-65	Aroclor-1232	1600	ND	U
53469-21-9	Aroclor-1242	1600	ND	U
12672-29-6	Aroclor-1248	1600	ND	U
11097-69-1	Aroclor-1254	1600	ND	U
11096-82-5	Aroclor-1260	1600	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SS-4
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701190-06
 Lab File ID : EPJ19006

% Moisture : _____
 Dilution Factor : 2.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	3.4	ND	U
319-85-7	beta-BHC	3.4	ND	U
319-86-8	delta-BHC	3.4	ND	U
58-89-9	gamma-BHC (Lindane)	3.4	ND	U
76-44-8	Heptachlor	3.4	ND	U
309-00-2	Aldrin	3.4	ND	U
1024-57-3	Heptachlor epoxide	3.4	ND	U
959-98-8	Endosulfan I	3.4	ND	U
60-57-1	Dieldrin	6.6	ND	U
72-55-9	4,4'-DDE	6.6	ND	U
72-20-8	Endrin	6.6	ND	U
33213-65-9	Endosulfan II	6.6	ND	U
72-54-8	4,4'-DDD	6.6	ND	U
1031-07-8	Endosulfan sulfate	6.6	ND	U
50-29-3	4,4'-DDT	6.6	ND	U
72-43-5	Methoxychlor	34	ND	U
53494-70-5	Endrin ketone	6.6	ND	U
7421-93-4	Endrin aldehyde	6.6	ND	U
5103-71-9	alpha-Chlordane	3.4	ND	U
5103-74-2	gamma-Chlordane	3.4	ND	U
8001-35-2	Toxaphene	66	ND	U
12789-03-6	Technical chlordane	66	ND	U
12674-11-2	Aroclor-1016	66	ND	U
11104-28-2	Aroclor-1221	66	ND	U
1114-11-65	Aroclor-1232	66	ND	U
53469-21-9	Aroclor-1242	66	ND	U
12672-29-6	Aroclor-1248	66	ND	U
11097-69-1	Aroclor-1254	66	ND	U
11096-82-5	Aroclor-1260	66	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-9
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10_1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701190-07
 Lab File ID : EPJ19007
 % Moisture : _____
 Dilution Factor : 5.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	8.5	ND	U
319-85-7	beta-BHC	8.5	ND	U
319-86-8	delta-BHC	8.5	ND	U
58-89-9	gamma-BHC (Lindane)	8.5	ND	U
76-44-8	Heptachlor	8.5	ND	U
309-00-2	Aldrin	8.5	ND	U
1024-57-3	Heptachlor epoxide	8.5	ND	U
959-98-8	Endosulfan I	8.5	21	U
60-57-1	Dieldrin	16	ND	U
72-55-9	4,4'-DDE	16	ND	U
72-20-8	Endrin	16	ND	U
33213-65-9	Endosulfan II	16	ND	U
72-54-8	4,4'-DDD	16	ND	U
1031-07-8	Endosulfan sulfate	16	ND	U
50-29-3	4,4'-DDT	16	ND	U
72-43-5	Methoxychlor	85	ND	U
53494-70-5	Endrin ketone	16	ND	U
7421-93-4	Endrin aldehyde	16	ND	U
5103-71-9	alpha-Chlordane	8.5	ND	U
5103-74-2	gamma-Chlordane	8.5	ND	U
8001-35-2	Toxaphene	160	ND	U
12789-03-6	Technical chlordane	160	ND	U
12674-11-2	Aroclor-1016	160	ND	U
11104-28-2	Aroclor-1221	160	ND	U
1114-11-65	Aroclor-1232	160	ND	U
53469-21-9	Aroclor-1242	160	ND	U
12672-29-6	Aroclor-1248	160	ND	U
11097-69-1	Aroclor-1254	160	ND	U
11096-82-5	Aroclor-1260	160	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SS-10
 Matrix : SOIL
 Date Sampled : 01/26/97
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.1
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701190-08
 Lab File ID : EPJ19008
 % Moisture : _____
 Dilution Factor : 2.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	3.4	ND	U
319-85-7	beta-BHC	3.4	ND	U
319-86-8	delta-BHC	3.4	ND	U
58-89-9	gamma-BHC (Lindane)	3.4	ND	U
76-44-8	Heptachlor	3.4	ND	U
309-00-2	Aldrin	3.4	ND	U
1024-57-3	Heptachlor epoxide	3.4	ND	U
959-98-8	Endosulfan I	3.4	ND	U
60-57-1	Dieldrin	6.6	ND	U
72-55-9	4,4'-DDE	6.6	ND	U
72-20-8	Endrin	6.6	ND	U
33213-65-9	Endosulfan II	6.6	ND	U
72-54-8	4,4'-DDD	6.6	ND	U
1031-07-8	Endosulfan sulfate	6.6	ND	U
50-29-3	4,4'-DDT	6.6	ND	U
72-43-5	Methoxychlor	34	ND	U
53494-70-5	Endrin ketone	6.6	ND	U
7421-93-4	Endrin aldehyde	6.6	ND	U
5103-71-9	alpha-Chlordane	3.4	ND	U
5103-74-2	gamma-Chlordane	3.4	ND	U
8001-35-2	Toxaphene	66	ND	U
12789-03-6	Technical chlordane	66	ND	U
12674-11-2	Aroclor-1016	66	ND	U
11104-28-2	Aroclor-1221	66	ND	U
1114-11-65	Aroclor-1232	66	ND	U
53469-21-9	Aroclor-1242	66	ND	U
12672-29-6	Aroclor-1248	66	ND	U
11097-69-1	Aroclor-1254	66	ND	U
11096-82-5	Aroclor-1260	66	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PBLKI3
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/27/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/05/97
 Instrument ID : hp26 2.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ2711P1
 Lab File ID : BJ2711P1
 % Moisture :
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI9
 Matrix : SOIL
 Date Sampled :
 Date Extracted : 01/29/97
 Amount Extracted : 30 g
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ29H2P1
 Lab File ID : BJ29H2P1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	1.7	ND	U
319-85-7	beta-BHC	1.7	ND	U
319-86-8	delta-BHC	1.7	ND	U
58-89-9	gamma-BHC (Lindane)	1.7	ND	U
76-44-8	Heptachlor	1.7	ND	U
309-00-2	Aldrin	1.7	ND	U
1024-57-3	Heptachlor epoxide	1.7	ND	U
959-98-8	Endosulfan I	1.7	ND	U
60-57-1	Dieldrin	3.3	ND	U
72-55-9	4,4'-DDE	3.3	ND	U
72-20-8	Endrin	3.3	ND	U
33213-65-9	Endosulfan II	3.3	ND	U
72-54-8	4,4'-DDD	3.3	ND	U
1031-07-8	Endosulfan sulfate	3.3	ND	U
50-29-3	4,4'-DDT	3.3	ND	U
72-43-5	Methoxychlor	17	ND	U
53494-70-5	Endrin ketone	3.3	ND	U
7421-93-4	Endrin aldehyde	3.3	ND	U
5103-71-9	alpha-Chlordane	1.7	ND	U
5103-74-2	gamma-Chlordane	1.7	ND	U
8001-35-2	Toxaphene	33	ND	U
12789-03-6	Technical chlordane	33	ND	U
12674-11-2	Aroclor-1016	33	ND	U
11104-28-2	Aroclor-1221	33	ND	U
1114-11-65	Aroclor-1232	33	ND	U
53469-21-9	Aroclor-1242	33	ND	U
12672-29-6	Aroclor-1248	33	ND	U
11097-69-1	Aroclor-1254	33	ND	U
11096-82-5	Aroclor-1260	33	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701190

GC Column(1) : HP-35 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX %REC #	DCB %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	PBLKI3	88	94					0
02	PLCSCM	84	99					0
03	PLCSUM	97	100					0
04	G-11	17*	9*					2
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (33-126)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Matrix : SOIL

Anamatrix ID : 9701190

GC Column(1): RTX-1701 ID: 0.32 (mm) GC Column(2): RTX-35 ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKI9	157*	109	119	119			1
02	PLCSCR	140	114	115	116			0
03	PLCSDUR	127	114	119	120			0
04	SS-5	OD	OD	OD	OD			4
05	SS-4	126	127	124	119			0
06	SS-9	140	129	183*	136			1
07	SS-10	132	114	98	102			0
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (46-151)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

LCS SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PLCSCM/PLCSDUM
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/27/97
 Date Analyzed : 02/05/97
 Instrument ID : hp26_2.i

Anamatrix ID : M/NJ2711P2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.25	0.00	0.22	88	47-120
Heptachlor	0.25	0.00	0.20	80	44-125
Aldrin	0.25	0.00	0.19	76	41-125
Dieldrin	0.50	0.00	0.47	94	53-133
Endrin	0.50	0.00	0.49	98	51-134
4,4'-DDT	0.50	0.00	0.43	86	49-134

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
gamma-BHC (Lindane)	0.25	0.24	96	9	25	47-120
Heptachlor	0.25	0.23	92	14	25	44-125
Aldrin	0.25	0.23	92	19	25	41-125
Dieldrin	0.50	0.52	104	10	25	53-133
Endrin	0.50	0.53	106	9	25	51-134
4,4'-DDT	0.50	0.49	98	13	25	49-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

LAB CONTROL SAMPLE FORM -- EPA METHOD 8080
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI9
 Matrix : SOIL
 Date Sampled :
 Prep. Batch ID : hdj29y62
 Date Analyzed : 02/08/97
 Instrument ID : hp10_1.i

Lab File ID : MJ29H2P1/NJ29H2P1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17	0.00	10	59	59-114
Heptachlor	17	0.00	9.6	56	53-131
Aldrin	17	0.00	10	59	49-126
Dieldrin	33	0.00	21	64	60-139
Endrin	33	0.00	22	67	58-148
4,4'-DDT	33	0.00	20	61	58-139

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
gamma-BHC (Lindane)	17	11	65	10	30	59-114
Heptachlor	17	10	59	5	30	53-131
Aldrin	17	11	65	10	30	49-126
Dieldrin	33	21	64	0	30	60-139
Endrin	33	22	67	0	30	58-148
4,4'-DDT	33	20	61	0	30	58-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
 Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 1	G-5	WATER	01/26/97	TPHd
9701190- 5	SS-5	SOIL	01/26/97	TPHd
9701190- 6	SS-4	SOIL	01/26/97	TPHd
9701190- 7	SS-9	SOIL	01/26/97	TPHd
9701190- 8	SS-10	SOIL	01/26/97	TPHd
9701190- 5	SS-5	SOIL	01/26/97	TPHg
9701190- 6	SS-4	SOIL	01/26/97	TPHg
9701190- 7	SS-9	SOIL	01/26/97	TPHg
9701190- 8	SS-10	SOIL	01/26/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as diesel for sample SS-5 and G-5 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- The concentration reported as motor oil for samples SS-5, SS-4, SS-9 and SS-10 are due to the presence of motor oil and discrete peaks not indicative of motor oil.

M. Hasse 1/31/97
Department Supervisor Date

Doshi 1/31/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9701190-05	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-5
Date Sampled:	1/26/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	64%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	2.0

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701190-06	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-4
Date Sampled:	1/26/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	59%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030. Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701190-07	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-9
Date Sampled:	1/26/97	Instrument ID:	HP8
Date Analyzed:	1/30/97	Surrogate Recovery:	69%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID

(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an

RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anamatrix ID:	9701190-08	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SS-10
Date Sampled:	1/26/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	66%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	2	0.5	ND

ND: Not detected at or above the reporting limit for the method.
TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.
Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.
Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BJ2902E1	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SAND BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	94%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	0.5	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Reporting limits are determined by dividing the dilution factor by 10 to generate an RLMF (reporting limit multiplication factor) which is then multiplied by the reporting limit for an undiluted sample. RLMFs of less than one are rounded up to one.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BJ3001E1	Client Project ID:	961163NB
Matrix:	SOIL	Client Sample ID:	SAND BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/30/97	Surrogate Recovery:	94%
Date Released:	1/31/97	Concentration Units:	mg/Kg

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	0.5	ND

ND: Not detected at or above the reporting limit for the method.
TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID
(modified EPA Method 8015) following sample purge and trap by EPA Method 5030.
Reporting limits are determined by dividing the dilution factor by 10 to generate an
RLMF (reporting limit multiplication factor) which is then multiplied by the reporting
limit for an undiluted sample. RLMFs of less than one are rounded up to one.
Surrogate recovery quality control limits for p-Bromofluorobenzene are 53-147%.
All testing procedures follow California Department of Health Services
approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2901E1
Matrix:	SOIL	Date Released:	1/31/97
Date Analyzed:	1/29/97	Instrument ID:	HP8
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	0.40	0.40	100%
p-Bromofluorobenzene			104%

Quality control limits for LCS recovery are 58-130%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ3002E1
Matrix:	SOIL	Date Released:	1/31/97
Date Analyzed:	1/30/97	Instrument ID:	HP8
		Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	0.40	0.39	98%
p-Bromofluorobenzene			107%

Quality control limits for LCS recovery are 58-130%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID: 961163NB	Laboratory ID: 9701190-06
Client Sample ID: SED-1A	Date Released: 1/31/97
Date Sampled: 1/26/97	Instrument ID: HP8
Date Analyzed: 1/29/97	Matrix: SOIL
	Concentration Units: mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	0.8	0	0.54	68%	0.53	66%	3%
p-Bromofluorobenzene				58%		67%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for p-Bromofluorobenzene recovery are 53-147%.

REPORT SUMMARY
 INCHCAPE, INC. (408) 432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701190
 Date Received : 01/27/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 1	G-5	WATER	01/26/97	TPHd
9701190- 5	SS-5	SOIL	01/26/97	TPHd
9701190- 6	SS-4	SOIL	01/26/97	TPHd
9701190- 7	SS-9	SOIL	01/26/97	TPHd
9701190- 8	SS-10	SOIL	01/26/97	TPHd
9701190- 5	SS-5	SOIL	01/26/97	TPHg
9701190- 6	SS-4	SOIL	01/26/97	TPHg
9701190- 7	SS-9	SOIL	01/26/97	TPHg
9701190- 8	SS-10	SOIL	01/26/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as diesel for sample SS-5 and G-5 are due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.
- The concentration reported as motor oil for samples SS-5, SS-4, SS-9 and SS-10 are due to the presence of motor oil and discrete peaks not indicative of motor oil.
- The surrogate was diluted out for SS-5.
- Due to insufficient sample volume, a laboratory control sample and laboratory control sample duplicate were extracted for the diesel water matrix sample instead of a matrix spike and spike duplicate.

M. Hesse 2/12/97
Department Supervisor Date

CRPct 2/12/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701190	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/30/97
Date Extracted:	1/28/97	Concentration Unit	mg/Kg
Instrument ID:	HP29		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701190-05	SS-5	1/26/97	1/29/97	100	1000	3100	0%
9701190-06	SS-4	1/26/97	1/29/97	1	10	ND	93%
9701190-07	SS-9	1/26/97	1/29/97	50	500	ND	99%
9701190-08	SS-10	1/26/97	1/29/97	1	10	ND	93%
BJ28H1F1	Method Blank	N/A	1/30/97	1	10	ND	101%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID
(modified EPA Method 8015) following sample extraction by EPA Method 3550.
Surrogate recovery quality control limits for o-terphenyl are 75-117%.
All testing procedures follow California Department of Health Services

TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701190	Client Project ID:	961163NB
Matrix:	SOIL	Date Released:	1/30/97
Date Extracted:	1/28/97	Concentration Unit	mg/Kg
Instrument ID:	HP29		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701190-05	SS-5	1/26/97	1/29/97	100	1000	5700	0%
9701190-06	SS-4	1/26/97	1/29/97	1	10	33	93%
9701190-07	SS-9	1/26/97	1/29/97	50	500	1900	99%
9701190-08	SS-10	1/26/97	1/29/97	1	10	71	93%
BJ28H1F1	Method Blank	N/A	1/30/97	1	10	ND	101%

ND: Not detected at or above the reporting limit for the method.

TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3550.

Surrogate recovery quality control limits for o-terphenyl are 75-117%.

All testing procedures follow California Department of Health Services

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
 (408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701190	Client Project ID:	961163NB
Matrix:	WATER	Date Released:	1/30/97
Date Extracted:	1/28/97	Concentration Units:	ug/L
Instrument ID:	HP29		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701190-01	G-5	1/26/97	1/29/97	1	50	660	102%
BJ2811F1	Method Blank	N/A	1/29/97	1	50	ND	90%

ND: Not detected at or above the reporting limit for the method.
 TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID
 (modified EPA Method 8015) following sample extraction by EPA Method 3510.
 Surrogate recovery quality control limits for o-terphenyl are 65-122%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	DACW05-97-P-0201	Laboratory ID:	9701183-06
Client Sample ID:	SS-6-97	Date Released:	1/31/97
Date Sampled:	12/22/96	Instrument ID:	HP23
Date Extracted:	12/28/96	Matrix:	SOIL
Date Analyzed:	12/30/96	Concentration Units:	mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Diesel	62.5	41.5	92.1	81%	120	126%	26%
o-Terphenyl				86%		91%	

Quality control limits for MS/MSD recovery are 34-143%

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID: 961163NB	Laboratory ID: M/NJ28H1F1
Matrix: SOIL	Date Released: 1/30/97
Date Extracted: 1/28/97	Instrument ID: HP29
Date Analyzed: 1/29/97	Concentration Units: mg/Kg

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	62.5	58.0	93%	62.6	100%	8%
o-Terphenyl			92%		104%	

Quality control limits for LCS/LCSD recovery are 58-118%.

Quality control limits for RPD(relative percent difference) are +/- 30%.

Quality control limits for o-terphenyl recovery are 75-117%.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	M/NJ2811F1
Matrix:	WATER	Date Released:	1/30/97
Date Extracted:	1/28/97	Instrument ID:	HP29
Date Analyzed:	1/29/97	Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	1250	1230	98%	1220	98%	-1%
o-Terphenyl			109%		110%	

Quality control limits for LCS/LCSD recovery are 34-111%.

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 65-122%.

INCHCAPE TESTING SERVICES, SAN JOSE LABORATORIES

REPORT DESCRIPTION - INORGANICS

Analytical Data Report (ADR)

The ADR contains tabulated results for inorganic analytes. All field samples, QC samples and blanks were prepared and analyzed according to procedures in the following references:

- "Test Methods for Evaluating Solid Waste," SW-846, EPA, 3rd Edition, 1994.
- "Methods for Chemical Analysis of Water and Wastes," EPA, 3rd Edition, 1983.
- CCR Title 22, Section 66261, Appendix II, California Waste Extraction Test.
- CCR Title 22, Section 66261, Appendix XI, Organic Lead.
- "Standard Methods for the Examination of Water and Wastewater," APHA, AWWA, WEF, 18th Edition, 1992.
- USEPA Contract Laboratory Program Statement of Work for Inorganic Analyses, ILM02.1, ILM03.0, ILM04.0, 1991-1995.

Matrix Spike Report (MSR)

The MSR summarizes the percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. MSRs may not be provided with all analytical reports.

Laboratory Control Sample Report (LCSR)

The LCSR summarizes percent recovery information for laboratory control spikes on reagent water or soil. This information is a statement of performance for the method, i.e., the samples are properly prepared and analyzed according to the applicable methods.

Method Blank Report (MBR)

The MBR summarizes quality control information for reagents used in preparing samples. The absolute value of each analyte measured in the method blank should be below the method reporting limit (PQL) for that analyte.

Post Digestion Spike Report (PDSR)

The PDSR summarizes percent recovery information for post digestion spikes. A post digestion spike is performed for a particular analyte if the matrix spike recovery is outside of established control limits. Any percent recovery for a post digestion spike outside of established limits for an analyte indicates probable matrix effects and interferences for that analyte.

Qualifiers (Q)

ITS-SJ uses several data qualifiers in inorganic reports. These qualifiers give additional information on the analytes reported. The following is a list of qualifiers and their meanings:

- I - Sample was analyzed at the stated dilution due to interferences.
- U - Analyte concentration was below the applicable reporting limit. For matrix and post digestion spike reports, a value of "0.0" is entered for calculation of the percent recovery.
- B - Sample concentration was below the reporting limit but above the instrument detection limit. Result is entered for calculation of the percent recovery only.
- H - Spike percent recovery is not calculated due to possible interferences from relatively high concentration level of the analyte in the unspiked sample.

Comment Codes

In addition to qualifiers, the following codes are used in the comment section of all reports to give additional information about sample preparation methods:

- A - Sample was prepared for silver based on the silver digestion method developed by the Southern California Laboratory, Department of Health Services, "Acid Digestion for Sediments, Sludges, Soils and Solid Wastes. A Proposed Alternative to EPA SW846, Method 3050." Environmental Science and Technology, 1989, 23, 898-900.
- C - Spikes were prepared after extraction by the California Waste Extraction Test (CWET) method.
- D - Reported results are dissolved, not total, metals. Spikes were prepared after filtration.

Reporting Conventions

Analytical values reported are gross values, i.e., not corrected for method blank contamination. Solid matrices are reported on a wet weight basis, unless noted.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701190- 9	SS-11	SOIL	01/26/97	6010
9701190- 5	SS-5	SOIL	01/26/97	T 22-MET
9701190- 6	SS-4	SOIL	01/26/97	T 22-MET
9701190- 7	SS-9	SOIL	01/26/97	T 22-MET
9701190- 8	SS-10	SOIL	01/26/97	T 22-MET

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

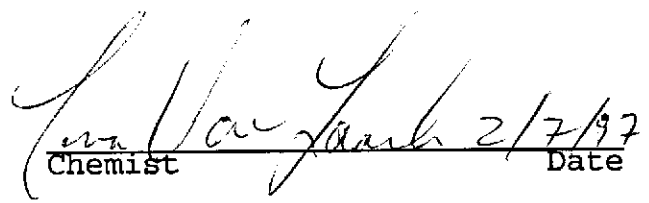
MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701190
Date Received : 01/27/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- Matrix spike and matrix spike recoveries for sample SS-4 were outside Inchcape Testing Services-San Jose control limits for antimony. A post digestion spike analysis was performed, and the results were within control limits, indicating no spectral interferences.


Department Supervisor Date


Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701190-05
Client Sample ID: SS-5
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/26/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	2.8	
Barium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	48.3	
Beryllium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	30.5	
Cobalt	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	5.1	
Copper	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	2.5	21.9	
Lead	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.30	31.5	
Mercury	7471A	15578	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.033	0.070	
Molybdenum	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	4.0	25.1	
Selenium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Silver	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	20.4	
Zinc	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	49.7	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701190-06
Client Sample ID: SS-4
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/26/97
Analyst: *J*
Supervisor: *J*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	3.5	
Barium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	58.6	
Beryllium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	33.4	
Cobalt	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	7.3	
Copper	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	2.5	27.5	
Lead	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.30	26.1	
Mercury	7471A	15578	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.033	0.047	
Molybdenum	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	4.0	36.9	
Selenium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Silver	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	26.7	
Zinc	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	65.2	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701190-07
Client Sample ID: SS-9
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Date Sampled: 01/26/97
Analyst: JTV
Supervisor: JTV

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	5.1	
Barium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	88.1	
Beryllium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	0.57	
Chromium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	46.4	
Cobalt	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	9.6	
Copper	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	2.5	54.3	
Lead	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.30	310	
Mercury	7471A	15578	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.033	0.17	
Molybdenum	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Nickel	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	4.0	41.6	
Selenium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Silver	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	37.0	
Zinc	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	122	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701190-08
Client Sample ID: SS-10
Client Project Number: 961163NB
Matrix: SOIL



SDG #: N/A
Date Sampled: 01/26/97
Analyst: TV
Supervisor: S

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	10.3	
Barium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	60.4	
Beryllium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Chromium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	34.0	
Cobalt	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	6.1	
Copper	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	2.5	48.7	
Lead	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.30	45.3	
Mercury	7471A	15578	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.033	0.47	
Molybdenum	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	1.1	
Nickel	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	4.0	27.9	
Selenium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Silver	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Thallium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	18.6	
Zinc	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	179	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

Analyte-Method: **Lead-6010A**
Client Project Number: **961163NB**
Matrix - Units: **SOIL - mg/Kg**

SDG #: **N/A**
Prep. Batch: **15577**
Analyst: 
Supervisor: 

ITS-SJ Sample ID	Client Sample ID	Prep. Method	Instr. ID	Date Sampled	Date Prepared	Date Analyzed	D.F.	Reporting Limit	Results	Q
9701190-09	SS-11	3050A	ICP3	01/26/97	01/28/97	02/04/97	100	30.0	43000	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ287SE**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701190**
 Client Project Number: **961163NB**
 Matrix: **SOIL**

SDG #: **N/A**
 Prep. Batch: **15577**
 Analyst: *T*
 Supervisor: *D*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	6.0	ND	
Arsenic	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Barium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	ND	
Beryllium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Cadmium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.50	ND	
Chromium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Cobalt	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	ND	
Copper	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	2.5	ND	
Lead	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	0.30	ND	
Molybdenum	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Nickel	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	4.0	ND	
Selenium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Silver	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Thallium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	1.0	ND	
Vanadium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	ND	
Zinc	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ287SA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701190**
Client Project Number: **961163NB**
Matrix: **SOIL**



SDG #: **N/A**
Prep. Batch: **15578**
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Mercury	7471A	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.033	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701190-06D
Client Sample ID: SS-4
Client Project Number: 961163NB
Matrix: SOIL



SDG #: N/A
Analyst: 
Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Antimony	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Arsenic	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	3.5	3.3	5.9	
Barium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	58.6	64.1	9.0	
Beryllium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Cadmium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Chromium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	33.4	35.0	4.7	
Cobalt	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	7.3	7.7	5.3	
Copper	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	27.5	35.4	25.1	
Lead	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	26.1	27.6	5.6	
Mercury	7471A	15578	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.047	0.051	8.2	
Molybdenum	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Nickel	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	36.9	38.4	4.0	
Selenium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Silver	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Thallium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	ND	ND	N/A	
Vanadium	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	26.7	29.2	8.9	
Zinc	3050A	15577	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	65.2	67.9	4.1	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9701190-06MS,MD
Client Sample ID: SS-4
Client Proj. Number: 961163NB
Matrix: SOIL



SDG #: N/A
Analyst: 
Supervisor: 

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.	Matrix Sp. Dup. Conc.	% Rec.	RPD	Q
Antimony	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	0.0	16.1	32.2	13.9	27.8	14.7	U
Arsenic	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	10.0	3.5	12.8	93.0	13.3	98.0	3.8	
Barium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	200	58.6	251	96.2	272	107	8.0	
Beryllium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	5.0	0.0	4.7	94.0	4.7	94.0	0.0	U
Cadmium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	5.0	0.0	4.5	90.0	4.5	90.0	0.0	U
Chromium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	20.0	33.4	52.6	96.0	56.3	115	6.8	
Cobalt	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	7.3	55.4	96.2	56.5	98.4	2.0	
Copper	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	25.0	27.5	50.0	90.0	53.6	104	6.9	
Lead	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	26.1	78.6	105	79.6	107	1.3	
Mercury	15578	7471A	HGA2	01/28/97	01/30/97	mg/Kg	0.17	0.047	0.25	119	0.23	108	8.3	
Molybdenum	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	10.0	0.0	9.4	94.0	9.4	94.0	0.0	U
Nickel	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	36.9	86.0	98.2	88.5	103	2.9	
Selenium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	5.0	0.0	4.9	98.0	4.5	90.0	8.5	U
Silver	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	5.0	0.0	4.8	96.0	4.9	98.0	2.1	U
Thallium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	10.0	0.0	8.7	87.0	8.7	87.0	0.0	U
Vanadium	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	26.7	73.1	92.8	76.2	99.0	4.2	
Zinc	15577	6010A	ICP3	01/28/97	02/04/97	mg/Kg	50.0	65.2	120	110	120	110	0.0	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
POST DIGESTION SPIKE REPORT**

ITS-SJ Sample ID: 9701190-06PDS
Client Sample ID: SS-4
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: 
Supervisor: 

Analyte	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	D.F.	Units	Spike Amount	Sample Conc.	PDS Conc.	% Rec.	Q
Antimony	6010A	ICP3	02/04/97	02/04/97	1	mg/Kg	12.0	0.0	11.5	95.8	U

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192**

LABORATORY CONTROL SAMPLE REPORT

ITS-SJ Sample ID: LJ287SE
 Client Sample ID: N/A
 ITS-SJ WO #: 9701190
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15577
 Analyst: *JV*
 Supervisor: *J*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Antimony	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	49.7	99.4	
Arsenic	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	9.9	99.0	
Barium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	200	204	102	
Beryllium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	4.7	94.0	
Cadmium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	4.5	90.0	
Chromium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	20.0	20.3	102	
Cobalt	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	50.9	102	
Copper	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	25.0	25.6	102	
Lead	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	50.9	102	
Molybdenum	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	10.0	100	
Nickel	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	50.7	101	
Selenium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	5.1	102	
Silver	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	5.0	5.0	100	
Thallium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	10.0	9.9	99.0	
Vanadium	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	50.2	100	
Zinc	3050A	6010A	ICP3	01/28/97	02/04/97	1	mg/Kg	50.0	52.9	106	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ287SA
 Client Sample ID: N/A
 ITS-SJ WO #: 9701190
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15578
 Analyst: *T*
 Supervisor: *J*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Mercury	7471A	7471A	HGA2	01/28/97	01/30/97	1	mg/Kg	0.17	0.20	118	

COMMENTS:

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. **961163 NB**

SAMPLERS: (Signature)
Jeannie Lebeque

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

DATE	TIME	SAMPLE NUMBER	Sample Matrix (Soil, Water, Air)	ANALYSES								Number of Containers	
				EPA Method 8260	EPA Method 8270	EPA Method 8081	EPA Method 8150	EPA 805 TPA 900	EPA 805 TPA 900	EPA 805 TPA 1000	PA 22 TPA 2000		Dr. Wet & TCE/PAHs
1/24/97		G-5	W						X				1
		G-6	W				X						1
		G-8	W								X		1
		G-11	S			X					X		2
		SS-5	S	X	X	X	X	X	X	X	X	X	
		SS-4	S	X	X	X	X	X	X	X	X	X	
		SS-9	S	X	X	X	X	X	X	X	X	X	
		SS-10	S	X	X	X	X	X	X	X	X	X	
		SS-11	S								X	X	

** Please
DET WET & TCEP
Metals (Pb only)
on hold depending
on the results of the
soil*

*G-8 - CANCEL FOR 9122 - METALS
PER AIR WET 1/27/97 RL*

*** Filter &
preserve*

*Question:
AP Rodby (510) 874 3125*

1 cooler TOTAL NUMBER OF CONTAINERS **5**

RELINQUISHED BY: (Signature) <i>Jeannie Lebeque</i>	DATE/TIME <i>1/24/97 17:00</i>	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
---	---------------------------------------	-----------------------------	---------------------------------	-----------	-----------------------------

METHOD OF SHIPMENT:	SHIPPED BY: (Signature) FEDEX	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
	<i>2560515322</i>		<i>Hmg</i>	<i>1/27/97 09:00</i>



SAMPLE RECEIVING CHECKLIST			
Workorder Number: 9701190	Client Project ID: 761103NB	Quote Number:	
Cooler			
Shipping documentation present? If YES, enter Carrier and Airbill #: <u>FEDEx 2560515322</u>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
Custody Seal on the outside of cooler? <i>Condition:</i> Intact <input type="checkbox"/> Broken <input type="checkbox"/>	<input type="radio"/> YES	<input type="radio"/> NO	<input checked="" type="radio"/> N/A
Temperature of sample(s) within range? List temperatures of cooler(s): <u>10°</u> Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<input type="radio"/> YES	<input checked="" type="radio"/> NO	<input type="radio"/> N/A
	IR <u>-1</u>	Temp Blank	_____
Samples			
Chain of custody seal present for each container? <i>Condition:</i> Intact <input type="checkbox"/> Broken <input type="checkbox"/>	<input type="radio"/> YES	<input type="radio"/> NO	<input checked="" type="radio"/> N/A
Samples arrived within holding time?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
Samples in proper containers for methods requested? <i>Condition of containers:</i> Intact <input type="checkbox"/> Broken <input checked="" type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
VOA containers received with zero headspace or bubbles < 6 mm?	<input type="radio"/> YES	<input type="radio"/> NO	<input checked="" type="radio"/> N/A
Container labels complete? (ID, date, time, preservative)	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> N/A
pH check of samples required at time of receipt?(volatiles checked at analysis) If YES, pH checked and recorded by: <u>AH</u>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Field blanks received with sample batch?	<input type="radio"/> YES	<input type="radio"/> NO	<input checked="" type="radio"/> N/A
Trip blanks received with sample batch?	<input type="radio"/> YES	<input type="radio"/> NO	<input checked="" type="radio"/> N/A
Chain of Custody			
Chain of custody form received with samples?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Has it been filled out completely and in ink?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Sample IDs on chain of custody form agree with labels?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Number of containers on chain agree with number received?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Analysis methods specified?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Sampling date and time indicated?	<input type="radio"/> YES	<input checked="" type="radio"/> NO	
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
Turnaround time? Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: H. Wang Date: 01/27/97 Project Manager: [Signature] Date: 1/27/97



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701199
Date Received : 01/28/97
Project ID : 961163NB
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

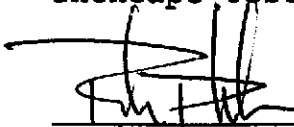
ANAMETRIX ID	CLIENT SAMPLE ID
9701199- 1	DCA96-1
9701199- 2	DCA96-2
9701199- 3	DCA96-3
9701199- 4	DCA96-4
9701199- 5	LEAD96-1
9701199- 6	LEAD96-2
9701199- 7	ADD1
9701199- 8	OLDDCA-1
9701199- 9	OLDDCA-2
9701199-10	OLDDCA-3
9701199-11	OLDDCA-4
9701199-12	OLDDCA-5
9701199-13	OLDDCA-6
9701199-14	ADD2
9701199-15	ADD3
9701199-16	G-8

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.



Project Manager

2/11/97

Date

This report consists of 23 pages.



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U** - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B** - Indicates that the compound was detected in the associated method blank.
- J** - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E** - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D** - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A** - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701199
Date Received : 01/28/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701199-16	G-8	WATER	01/27/97	S8260

CASE NARRATIVE

S.D.G. No. N/A

WORKORDER No. 9701199

QUALITY CONTROL PROBLEMS:

Volatiles

- All holding times have been met for the analyses reported in this section.
- No batch matrix spike and matrix spike duplicate analyses were performed. Batch laboratory control sample and laboratory control sample duplicate analyses were performed instead.

Vicki L. Knight *fn*
Vicki L. Knight
GC/MS - Pesticides Supervisor

2-11-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : G-8
 Matrix : WATER
 Date Sampled : 01/27/97
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Anamatrix ID : 9701199-16
 Lab File ID : MRJ19916
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	42	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKAM
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Anamatrix ID : BF0401A2
 Lab File ID : BF0401A2
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID
 Matrix

: 961163NB
 : WATER

Anamatrix ID : 9701199

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKAM	111	106	96		0
02	VLCSAM	109	105	94		0
03	VLCSAM	110	105	94		0
04	G-8	111	105	94		0
05						
06						
07						
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30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (86-128)
 SMC2 (BFB) = Bromofluorobenzene (80-128)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (80-129)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKAM
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 01f04a2a
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Lab File ID : MF0401A2/NF0401A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	53	106	72-145
Trichloroethene	50	0.0	52	104	61-140
Benzene	50	0.0	50	100	83-125
Toluene	50	0.0	52	104	82-123
Chlorobenzene	50	0.0	50	100	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	50	53	106	0	25 72-145
Trichloroethene	50	53	106	2	25 61-140
Benzene	50	51	102	2	25 83-125
Toluene	50	52	104	0	25 82-123
Chlorobenzene	50	50	100	0	25 82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701199
Date Received : 01/28/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701199-16	G-8	WATER	01/27/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701199
Date Received : 01/28/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

H. Hesse 1/31/97
Department Supervisor Date

[Signature] 01/31/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory ID:	9701199-16	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	G-8
Date Sampled:	1/27/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	71%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory ID:	BJ2901E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/29/97	Surrogate Recovery:	90%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ2901E1
Matrix:	WATER	Date Released:	1/30/97
Date Analyzed:	1/29/97	Instrument ID:	HP8
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	390	98%
p-Bromofluorobenzene			103%

Quality control limits for gasoline LCS recovery are 67-127%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	961163NB	Laboratory ID:	9701185-13
Client Sample ID:	NSW-02	Date Released:	1/30/97
Date Sampled:	1/24/97	Instrument ID:	HP8
Date Analyzed:	1/29/97	Matrix:	WATER
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	400	0	400	100%	410	103%	2%
p-Bromofluorobenzene				103%		106%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

REPORT SUMMARY
 INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
 WOODWARD-CLYDE CONSULTANTS
 500 12TH STREET, SUITE 100
 OAKLAND, CA 94607-4014

Workorder # : 9701199
 Date Received : 01/28/97
 Project ID : 961163NB
 Purchase Order: N/A
 Department : METALS
 Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701199- 1	DCA96-1	SOIL	01/27/97	6010
9701199- 2	DCA96-2	SOIL	01/27/97	6010
9701199- 3	DCA96-3	SOIL	01/27/97	6010
9701199- 4	DCA96-4	SOIL	01/27/97	6010
9701199- 5	LEAD96-1	SOIL	01/27/97	6010
9701199- 6	LEAD96-2	SOIL	01/27/97	6010
9701199- 7	ADD1	SOIL	01/27/97	6010
9701199- 8	OLDDCA-1	SOIL	01/27/97	6010
9701199- 9	OLDDCA-2	SOIL	01/27/97	6010
9701199-10	OLDDCA-3	SOIL	01/27/97	6010
9701199-11	OLDDCA-4	SOIL	01/27/97	6010
9701199-12	OLDDCA-5	SOIL	01/27/97	6010
9701199-13	OLDDCA-6	SOIL	01/27/97	6010
9701199-14	ADD2	SOIL	01/27/97	6010
9701199-15	ADD3	SOIL	01/27/97	6010

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701199
Date Received : 01/28/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

Neil A. Hill 2/10/97
Department Supervisor Date

Mma Kael 02/10/97
Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

Analyte-Method: **Lead-6010A**
Client Project Number: **961163NB**
Matrix - Units: **SOIL - mg/Kg**

SDG #: **N/A**
Prep. Batch: **15610**
Analyst: *MW*
Supervisor: *AA*

ITS-SJ Sample ID	Client Sample ID	Prep. Method	Instr. ID	Date Sampled	Date Prepared	Date Analyzed	D.F.	Reporting Limit	Results	Q
9701199-01	DCA96-1	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	9.4	
9701199-02	DCA96-2	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	15.1	
9701199-03	DCA96-3	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	19.6	
9701199-04	DCA96-4	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	12.8	
9701199-05	LEAD96-1	3050A	ICP3	01/27/97	01/31/97	02/10/97	100	30.0	3070	
9701199-06	LEAD96-2	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	426	
9701199-07	ADD1	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	14.6	
9701199-08	OLDDCA-1	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	18.5	
9701199-09	OLDDCA-2	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	31.9	
9701199-10	OLDDCA-3	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	62.7	
9701199-11	OLDDCA-4	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	21.8	
9701199-12	OLDDCA-5	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	28.1	
9701199-13	OLDDCA-6	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	45.0	
9701199-14	ADD2	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	14.1	
9701199-15	ADD3	3050A	ICP3	01/27/97	01/31/97	02/04/97	1	0.30	21.1	

COMMENTS:

M
Aug 21, 1996
Fate & Tramp
M. del...
July 29, 1996
Results of 5 samples

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ317SC**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701199**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15610**
Analyst: *Mh*
Supervisor: *At*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead	3050A	6010A	ICP3	01/31/97	02/04/97	1	mg/Kg	0.30	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701199-01D
Client Sample ID: DCA96-1
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: *MW*
Supervisor: *AA*

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Lead	3050A	15610	6010A	ICP3	01/31/97	02/04/97	1	mg/Kg	9.4	8.3	12.4	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9701199-01MS,MD
Client Sample ID: DCA96-1
Client Proj. Number: 961163NB
Matrix: SOIL

SDG #: N/A
Analyst: *TD*
Supervisor: *MW*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.	Matrix Sp. Dup. Conc.	% Rec.	RPD	Q
Lead	15610	6010A	ICP3	01/31/97	02/04/97	mg/Kg	50.0	9.4	60.5	102	55.2	91.6	9.2	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ317SC
 Client Sample ID: N/A
 ITS-SJ WO #: 9701199
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15610
 Analyst: *Mh*
 Supervisor: *NA*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead	3050A	6010A	ICP3	01/31/97	02/04/97	1	mg/Kg	50.0	50.4	101	

COMMENTS:

9701199 (33) (16) (18)

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. **961163NB**

SAMPLERS: (Signature) *J. Lebeque*

DATE	TIME	SAMPLE NUMBER	Sample Matrix (Soil, Water, Air)	ANALYSES				Number of Containers	REMARKS (Sample preservation, handling procedures, etc.)
				EPA Method Total Pb	EPA Method 60511 Pb/gal	EPA Method 8260 VOCs	EPA Method		
11/23/97		DCA 96-1	S	X				4	Please composite 4 → 1 Thanks Question/Result BP. Buckley (510) 374-3333
		DCA 96-2	S	X				4	
		DCA 96-3	S	X				4	
		DCA 96-4	S	X				4	
		LEAD 96-1	S	X				4	
		LEAD 96-2	S	X				4	
		ADD1	S	X				4	
		OLD DCA-1	S	X				4	
		OLD DCA-2	S	X				4	
		OLD DCA-3	S	X				4	
		OLD DCA-4	S	X				4	
		OLD DCA-5	S	X				4	
		OLD DCA-6	S	X				4	
		ADD 2	S	X				4	
		ADD 3	S	X				4	
		G-8	W	XX				4	

RELINQUISHED BY: *J. Lebeque* DATE/TIME: **11/23/97 17:00** RECEIVED BY: _____ TOTAL NUMBER OF CONTAINERS: **60**

METHOD OF SHIPMENT: _____ SHIPPED BY: **Fed Ex** COURIER: _____ RECEIVED FOR LAB BY: *Hlmj* DATE/TIME: **01/20/98 1000**

SHIPMENT NUMBER: **1455914013**

SAMPLE RECEIVING CHECKLIST		
Workorder Number: 9701199	Client Project ID: 961163NB	Quote Number:
Cooler		
Shipping documentation present? If YES, enter Carrier and Airbill #: <u>FED Ex 455914013</u>	<input checked="" type="radio"/> YES	NO N/A
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <input checked="" type="radio"/> N/A
Temperature of sample(s) within range? List temperatures of cooler(s): <u>6°</u> Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<input checked="" type="radio"/> YES	NO N/A
Samples		
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <input checked="" type="radio"/> N/A
Samples arrived within holding time?	<input checked="" type="radio"/> YES	NO N/A
Samples in proper containers for methods requested? Condition of containers: Intact <input type="checkbox"/> Broken <input checked="" type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO
VOA containers received with zero headspace or bubbles < 6 mm?	<input checked="" type="radio"/> YES	NO N/A
Container labels complete? (ID, date, time, preservative)	<input checked="" type="radio"/> YES	NO N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO N/A
pH check of samples required at time of receipt?(volatiles checked at analysis) If YES, pH checked and recorded by:	YES	<input checked="" type="radio"/> NO
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO
Field blanks received with sample batch?	YES	NO <input checked="" type="radio"/> N/A
Trip blanks received with sample batch?	YES	NO <input checked="" type="radio"/> N/A
Chain of Custody		
Chain of custody form received with samples?	<input checked="" type="radio"/> YES	NO
Has it been filled out completely and in ink?	<input checked="" type="radio"/> YES	NO
Sample IDs on chain of custody form agree with labels?	<input checked="" type="radio"/> YES	NO
Number of containers on chain agree with number received?	<input checked="" type="radio"/> YES	NO
Analysis methods specified?	<input checked="" type="radio"/> YES	NO
Sampling date and time indicated?	<input checked="" type="radio"/> YES	NO
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="radio"/> YES	NO
Turnaround time? Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: Hlwang Date: 01/28/97 Project Manager: R Date: 1/29/97



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

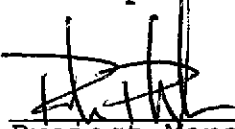
ANAMETRIX ID	CLIENT SAMPLE ID
9701226- 1	G-1
9701226- 2	G-4
9701226- 3	G-5
9701226- 4	G-6
9701226- 5	G-7
9701226- 6	G-8
9701226- 7	G-9
9701226- 8	G-10
9701226- 9	G-11
9701226-10	G-12
9701226-11	G-13
9701226-12	G-14
9701226-13	G-15
9701226-14	G-16
9701226-15	DG-13

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.


Project Manager

2/19/97
Date

This report consists of 64 pages.



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226- 6	G-8	WATER	01/28/97	8270
9701226-15	DG-13	WATER	01/28/97	8270
9701226-15	DG-13	WATER	01/28/97	S8260

CASE NARRATIVE

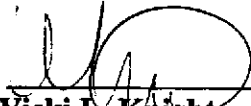
S.D.G. No. N/A

WORKORDER No. 9701226

QUALITY CONTROL PROBLEMS:

Semivolatiles

- All holding times have been met for the analyses reported in this section.
- No QA\QC problems were encountered.



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-10-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-8
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701226-06
 Lab File ID : MPJ22606
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	58	
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-8
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701226-06
 Lab File ID : MPJ22606
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : DG-13
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701226-15
 Lab File ID : MPJ22615
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : DG-13
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : 9701226-15
 Lab File ID : MPJ22615
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	U
86-30-6	N-nitrosodiphenylamine (1)	10	ND	U
101-55-3	4-Bromophenyl-phenylether	10	ND	U
118-74-1	Hexachlorobenzene	10	ND	U
87-86-5	Pentachlorophenol	10	ND	U
85-01-8	Phenanthrene	10	ND	U
120-12-7	Anthracene	10	ND	U
84-74-2	Di-n-butylphthalate	10	ND	U
206-44-0	Fluoranthene	10	ND	U
129-00-0	Pyrene	10	ND	U
85-68-7	Butylbenzylphthalate	10	ND	U
91-94-1	3,3'-Dichlorobenzidine	20	ND	U
56-55-3	Benzo(a)anthracene	10	ND	U
218-01-9	Chrysene	10	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	U
117-84-0	Di-n-octylphthalate	10	ND	U
205-99-2	Benzo(b)fluoranthene	10	ND	U
207-08-9	Benzo(k)fluoranthene	10	ND	U
50-32-8	Benzo(a)pyrene	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	U
53-70-3	Dibenz(a,h)anthracene	10	ND	U
191-24-2	Benzo(g,h,i)perylene	10	ND	U
100-51-6	Benzyl Alcohol	10	ND	U
65-85-0	Benzoic Acid	50	ND	U
62-75-9	N-Nitrosodimethylamine	10	ND	U
103-33-3	Azobenzene	10	ND	U
92-87-5	Benzidine	10	ND	U
4165-61-1	Aniline	10	ND	U

(1) - Cannot be separated from Diphenylamine

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKF2
 Matrix : WATER
 Date Sampled :
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BF0211B1
 Lab File ID : BF0211B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	Phenol	10	ND	U
111-44-4	bis(-2-Chloroethyl) Ether	10	ND	U
95-57-8	2-Chlorophenol	10	ND	U
541-73-1	1,3-Dichlorobenzene	10	ND	U
106-46-7	1,4-Dichlorobenzene	10	ND	U
95-50-1	1,2-Dichlorobenzene	10	ND	U
95-48-7	2-Methylphenol	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	ND	U
106-44-5	4-Methylphenol	10	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10	ND	U
67-72-1	Hexachloroethane	10	ND	U
98-95-3	Nitrobenzene	10	ND	U
78-59-1	Isophorone	10	ND	U
88-75-5	2-Nitrophenol	10	ND	U
105-67-9	2,4-Dimethylphenol	10	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10	ND	U
120-83-2	2,4-Dichlorophenol	10	ND	U
120-82-1	1,2,4-Trichlorobenzene	10	ND	U
91-20-3	Naphthalene	10	ND	U
106-47-8	4-Chloroaniline	10	ND	U
87-68-3	Hexachlorobutadiene	10	ND	U
59-50-7	4-Chloro-3-Methylphenol	10	ND	U
91-57-6	2-Methylnaphthalene	10	ND	U
77-47-4	Hexachlorocyclopentadiene	10	ND	U
88-06-2	2,4,6-Trichlorophenol	10	ND	U
95-95-4	2,4,5-Trichlorophenol	50	ND	U
91-58-7	2-Chloronaphthalene	10	ND	U
88-74-4	2-Nitroaniline	50	ND	U
131-11-3	Dimethylphthalate	10	ND	U
208-96-8	Acenaphthylene	10	ND	U
606-20-2	2,6-Dinitrotoluene	10	ND	U
99-09-2	3-Nitroaniline	50	ND	U
83-32-9	Acenaphthene	10	ND	U
51-28-5	2,4-Dinitrophenol	50	ND	U
100-02-7	4-Nitrophenol	50	ND	U
132-64-9	Dibenzofuran	10	ND	U
121-14-2	2,4-Dinitrotoluene	10	ND	U
84-66-2	Diethylphthalate	10	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10	ND	U
86-73-7	Fluorene	10	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : SBLKF2
 Matrix : WATER
 Date Sampled :
 Date Extracted : 02/02/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i
 Volume of Final Extract: 1 ml

Anamatrix ID : BF0211B1
 Lab File ID : BF0211B1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
100-01-6	4-Nitroaniline	50	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50	ND	UU
86-30-6	N-nitrosodiphenylamine (1)	10	ND	UUU
101-55-3	4-Bromophenyl-phenylether	10	ND	UUU
118-74-1	Hexachlorobenzene	10	ND	UUU
87-86-5	Pentachlorophenol	10	ND	UUU
85-01-8	Phenanthrene	10	ND	UUU
120-12-7	Anthracene	10	ND	UUU
84-74-2	Di-n-butylphthalate	10	ND	UUU
206-44-0	Fluoranthene	10	ND	UUU
129-00-0	Pyrene	10	ND	UUU
85-68-7	Butylbenzylphthalate	10	ND	UUU
91-94-1	3,3'-Dichlorobenzidine	20	ND	UUU
56-55-3	Benzo(a)anthracene	10	ND	UUU
218-01-9	Chrysene	10	ND	UUU
117-81-7	bis(2-Ethylhexyl)phthalate	20	ND	UUU
117-84-0	Di-n-octylphthalate	10	ND	UUU
205-99-2	Benzo(b)fluoranthene	10	ND	UUU
207-08-9	Benzo(k)fluoranthene	10	ND	UUU
50-32-8	Benzo(a)pyrene	10	ND	UUU
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	UUU
53-70-3	Dibenz(a,h)anthracene	10	ND	UUU
191-24-2	Benzo(g,h,i)perylene	10	ND	UUU
100-51-6	Benzyl Alcohol	10	ND	UUU
65-85-0	Benzoic Acid	50	ND	UUU
62-75-9	N-Nitrosodimethylamine	10	ND	UUU
103-33-3	Azobenzene	10	ND	UUU
92-87-5	Benzidine	10	ND	UUU
4165-61-1	Aniline	10	ND	UUU

(1) - Cannot be separated from Diphenylamine

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701226

	EPA SAMPLE NO.	S1 (2CP) #	S2 (DCB) #	S3 (NBZ) #	S4 (FBP) #	S5 (TPH) #	S6 (PHL) #	S7 (2FP) #	S8 (TBP) #	TOT OUT
01	SBLKF2	81	90	82	84	78	78	61	70	0
02	SLCSF2	85	95	84	81	77	86	73	74	0
03	SLCSDF2	85	89	79	79	71	85	71	72	0
04	G-8	78	81	72	78	47	81	59	75	0
05	DG-13	87	86	76	86	69	90	68	82	0
06										
07										
08										
09										
10										
11										
12										
13										
14										
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17										
18										
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22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S2 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)
 S3 (NBZ) = Nitrobenzene-d5 (35-114)
 S4 (FBP) = 2-Fluorobiphenyl (43-116)
 S5 (TPH) = Terphenyl-d14 (33-141)
 S6 (PHL) = Phenol-d5 (10- 94)
 S7 (2FP) = 2-Fluorophenol (21-100)
 S8 (TBP) = 2,4,6-Tribromophenol (10-123)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8270B
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : SBLKF2
 Matrix : WATER
 Date Sampled :
 Date Extracted : 02/02/97
 Prep. Batch ID : 1sf02x21
 Date Analyzed : 02/04/97
 Instrument ID : msd4.i

Lab File ID : MF0211B1/NF0211B1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75	0.0	65	87	56-107
2-Chlorophenol	75	0.0	62	83	57-109
1,4-Dichlorobenzene	50	0.0	42	84	45-109
N-Nitroso-di-n-prop. (1)	50	0.0	44	88	51-123
1,2,4-Trichlorobenzene	50	0.0	42	84	50-118
4-Chloro-3-Methylphenol	75	0.0	63	84	48-131
Acenaphthene	50	0.0	43	86	62-122
4-Nitrophenol	75	0.0	49	65	37-152
2,4-Dinitrotoluene	50	0.0	44	88	60-141
Pentachlorophenol	75	0.0	67	89	55-138
Pyrene	50	0.0	42	84	68-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.	
Phenol	75	66	88	1	30	56-107
2-Chlorophenol	75	62	83	0	30	57-109
1,4-Dichlorobenzene	50	39	78	7	30	45-109
N-Nitroso-di-n-prop. (1)	50	46	92	4	30	51-123
1,2,4-Trichlorobenzene	50	38	76	10	30	50-118
4-Chloro-3-Methylphenol	75	61	81	4	30	48-131
Acenaphthene	50	42	84	2	30	62-122
4-Nitrophenol	75	50	67	3	30	37-152
2,4-Dinitrotoluene	50	43	86	2	30	60-141
Pentachlorophenol	75	63	84	6	30	55-138
Pyrene	50	39	78	7	30	68-130

(1) N-Nitroso-di-n-propylamine
 # Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS:



GC/MS REPORT DESCRIPTION

Method Deviation

For the 25 mL purge analysis of water samples by Method 8260A, the minimum acceptable response factor for the calibration check compound, 1,1,2,2-tetrachloroethane, has been changed from 0.300 to 0.100. If data quality objectives do not permit this deviation, it should be addressed prior to sample submission.

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing ITS ID Number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected by GC/MS. TICs must be requested at the time samples are submitted to ITS. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality control data. They will list surrogate percent recoveries for all samples and any method blanks. Any recovery outside the established limits will be flagged with an "*" and the total number outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)

MSR forms contain quality control data. They summarize percent recovery and relative percent difference (RPD) information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or RPD outside established limits will be flagged with an "*" and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

ITS uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.

Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226- 6	G-8	WATER	01/28/97	8270
9701226-15	DG-13	WATER	01/28/97	8270
9701226-15	DG-13	WATER	01/28/97	S8260

CASE NARRATIVE


S.D.G. No. N/A

WORKORDER No. 9701226

QUALITY CONTROL PROBLEMS:

Volatiles

- All holding times have been met for the analyses reported in this section.
- No batch matrix spike and matrix spike duplicate analyses were performed. Batch laboratory control sample and laboratory control sample duplicate analyses were performed instead.



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-12-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : DG-13
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Anamatrix ID : 9701226-15
 Lab File ID : MRJ22615
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : VBLKAM
 Matrix : WATER
 Date Sampled :
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Anamatrix ID : BF0401A2
 Lab File ID : BF0401A2
 % Moisture : _____
 Dilution Factor : _____ 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID
 Matrix

: 961163NB
 : WATER

Anamatrix ID : 9701226

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLKAM	111	106	96		0
02	VLCSAM	109	105	94		0
03	VLCSAM	110	105	94		0
04	DG-13	110	104	93		0
05						
06						
07						
08						
09						
10						
11						
12						
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25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (86-128)
 SMC2 (BFB) = Bromofluorobenzene (80-128)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (80-129)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8260
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : VBLKAM
 Matrix : WATER
 Date Sampled :
 Prep. Batch ID : 01f04a2a
 Date Analyzed : 02/04/97
 Instrument ID : msd1.i

Lab File ID : MF0401A2/NF0401A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	53	106	72-145
Trichloroethene	50	0.0	52	104	61-140
Benzene	50	0.0	50	100	83-125
Toluene	50	0.0	52	104	82-123
Chlorobenzene	50	0.0	50	100	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	53	106	0	25	72-145
Trichloroethene	50	53	106	2	25	61-140
Benzene	50	51	102	2	25	83-125
Toluene	50	52	104	0	25	82-123
Chlorobenzene	50	50	100	0	25	82-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____



GC/PESTICIDE REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing Inchcape Testing Services ID Number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*" and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery, Laboratory Control Sample Forms

These forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes, laboratory control samples and their duplicates. This information is a statement of accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "**".

Qualifiers

Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed, but not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- P - Indicates that the value reported for this compound differed by more than 25% between the two columns. When this occurs, the lower value is reported.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages do display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226- 6	G-8	WATER	01/28/97	8080
9701226-15	DG-13	WATER	01/28/97	8080

CASE NARRATIVE


S.D.G. No. N/A

WORKORDER No. 9701226

QUALITY CONTROL PROBLEMS:

Pesticides

- All holding times have been met for the analyses reported in this section.
- Insufficient sample volume was available to perform matrix spike and matrix spike duplicate analyses for this batch of samples. Batch laboratory control sample and laboratory control sample duplicate analyses were performed instead.
- The continuing calibration standard SF07X8P1 had responses for alpha-BHC that was outside the acceptance criteria for both columns. Also, delta-BHC was outside the acceptance criteria on the confirmation column for this standard. Since the detector was becoming more sensitive for these analytes, and no peaks were detected within the retention time window, the analytes were reported as "ND."
- Sample DG-13 was extracted using 685 milliliters due to insufficient sample volume.



Vicki L. Knight
GC/MS - Pesticides Supervisor

2-11-97
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : G-8
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 01/31/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701226-06
 Lab File ID : EPJ22606
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : DG-13
 Matrix : WATER
 Date Sampled : 01/28/97
 Date Extracted : 01/31/97
 Amount Extracted : 685 mL
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : 9701226-15
 Lab File ID : EPJ22615
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.073	ND	U
319-85-7	beta-BHC	0.073	ND	U
319-86-8	delta-BHC	0.073	ND	U
58-89-9	gamma-BHC (Lindane)	0.073	ND	U
76-44-8	Heptachlor	0.073	ND	U
309-00-2	Aldrin	0.073	ND	U
1024-57-3	Heptachlor epoxide	0.073	ND	U
959-98-8	Endosulfan I	0.073	ND	U
60-57-1	Dieldrin	0.14	ND	U
72-55-9	4,4'-DDE	0.14	ND	U
72-20-8	Endrin	0.14	ND	U
33213-65-9	Endosulfan II	0.14	ND	U
72-54-8	4,4'-DDD	0.14	ND	U
1031-07-8	Endosulfan sulfate	0.14	ND	U
50-29-3	4,4'-DDT	0.14	ND	U
72-43-5	Methoxychlor	0.73	ND	U
53494-70-5	Endrin ketone	0.14	ND	U
7421-93-4	Endrin aldehyde	0.14	ND	U
5103-71-9	alpha-Chlordane	0.073	ND	U
5103-74-2	gamma-Chlordane	0.073	ND	U
8001-35-2	Toxaphene	1.4	ND	U
12789-03-6	Technical chlordane	1.4	ND	U
12674-11-2	Aroclor-1016	1.4	ND	U
11104-28-2	Aroclor-1221	1.4	ND	U
1114-11-65	Aroclor-1232	1.4	ND	U
53469-21-9	Aroclor-1242	1.4	ND	U
12672-29-6	Aroclor-1248	1.4	ND	U
11097-69-1	Aroclor-1254	1.4	ND	U
11096-82-5	Aroclor-1260	1.4	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Sample ID : PBLKI7
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/31/97
 Amount Extracted : 1000 mL
 Date Analyzed : 02/08/97
 Instrument ID : hp10 1.i
 Volume of Final Extract: 10 ml

Anamatrix ID : BJ3111P1
 Lab File ID : BJ3111P1
 % Moisture : _____
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	0.050	ND	U
319-85-7	beta-BHC	0.050	ND	U
319-86-8	delta-BHC	0.050	ND	U
58-89-9	gamma-BHC (Lindane)	0.050	ND	U
76-44-8	Heptachlor	0.050	ND	U
309-00-2	Aldrin	0.050	ND	U
1024-57-3	Heptachlor epoxide	0.050	ND	U
959-98-8	Endosulfan I	0.050	ND	U
60-57-1	Dieldrin	0.10	ND	U
72-55-9	4,4'-DDE	0.10	ND	U
72-20-8	Endrin	0.10	ND	U
33213-65-9	Endosulfan II	0.10	ND	U
72-54-8	4,4'-DDD	0.10	ND	U
1031-07-8	Endosulfan sulfate	0.10	ND	U
50-29-3	4,4'-DDT	0.10	ND	U
72-43-5	Methoxychlor	0.50	ND	U
53494-70-5	Endrin ketone	0.10	ND	U
7421-93-4	Endrin aldehyde	0.10	ND	U
5103-71-9	alpha-Chlordane	0.050	ND	U
5103-74-2	gamma-Chlordane	0.050	ND	U
8001-35-2	Toxaphene	1.0	ND	U
12789-03-6	Technical chlordane	1.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	1.0	ND	U
1114-11-65	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408)432-8192

Project ID : 961163NB
 Matrix : WATER

Anamatrix ID : 9701226

GC Column(1) : RTX-1701 ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX %REC #	DCB %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	PBLKI7	96	101					0
02	PLCSCP	98	105					0
03	PLCSDUP	98	108					0
04	G-8	97	54					0
05	DG-13	100	71					0
06								
07								
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ADVISORY
 QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-140)
 S2 (DCB) = Decachlorobiphenyl (33-126)

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out

LABORATORY CONTROL SPIKE RECOVERY FORM -- EPA METHOD 8081
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
 (408) 432-8192

Project ID : 961163NB
 Sample ID : PLCSCP/PLCSDUP
 Matrix : WATER
 Date Sampled :
 Date Extracted : 01/31/97
 Date Analyzed : 02/08/97
 Instrument ID : hp10_1.i

Anamatrix ID : M/NJ3111P1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.25	0.00	0.28	112	47-120
Heptachlor	0.25	0.00	0.26	104	44-125
Aldrin	0.25	0.00	0.27	108	41-125
Dieldrin	0.50	0.00	0.57	114	53-133
Endrin	0.50	0.00	0.61	122	51-134
4,4'-DDT	0.50	0.00	0.51	102	49-134

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
gamma-BHC (Lindane)	0.25	0.28	112	0	25	47-120
Heptachlor	0.25	0.27	108	4	25	44-125
Aldrin	0.25	0.28	112	4	25	41-125
Dieldrin	0.50	0.59	118	3	25	53-133
Endrin	0.50	0.63	126	3	25	51-134
4,4'-DDT	0.50	0.56	112	9	25	49-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226-15	DG-13	WATER	01/28/97	TPHd
9701226-15	DG-13	WATER	01/28/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: tph

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

M. Hesse 1/31/97
Department Supervisor Date

[Signature] 01/31/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory ID:	9701226-15	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	DG-13
Date Sampled:	1/28/97	Instrument ID:	HP8
Date Analyzed:	1/30/97	Surrogate Recovery:	89%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>
Gasoline	1	50	50

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory ID:	BJ3002E1	Client Project ID:	961163NB
Matrix:	WATER	Client Sample ID:	METHOD BLANK
Date Sampled:	N/A	Instrument ID:	HP8
Date Analyzed:	1/30/97	Surrogate Recovery:	98%
Date Released:	1/31/97	Concentration Units:	ug/L

<u>COMPOUND</u>	<u>Dilution</u> <u>Factor</u>	<u>Reporting</u> <u>Limit</u>	<u>Amount</u> <u>Found</u>
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	MJ3001E1
Matrix:	WATER	Date Released:	1/31/97
Date Analyzed:	1/30/97	Instrument ID:	HP8
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>%REC</u> <u>LCS</u>
Gasoline	400	380	95%
p-Bromofluorobenzene			104%

Quality control limits for gasoline LCS recovery are 67-127%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	961163NB	Laboratory ID:	9701226-15
Client Sample ID:	DG-13	Date Released:	1/31/97
Date Sampled:	1/28/97	Instrument ID:	HP8
Date Analyzed:	1/30/97	Matrix:	WATER
		Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>SAMPLE</u> <u>CONC</u>	<u>MS</u> <u>CONC</u>	<u>% REC</u> <u>MS</u>	<u>MSD</u> <u>CONC</u>	<u>%REC</u> <u>MSD</u>	<u>RPD</u>
Gasoline	400	50	400	88%	410	90%	2%
p-Bromofluorobenzene				103%		93%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226-15	DG-13	WATER	01/28/97	TPHd
9701226-15	DG-13	WATER	01/28/97	TPHg

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as diesel for sample DG-13 is due to the presence of a combination of diesel, motor oil and discrete peaks not indicative of diesel fuel.

M. Horne 2/4/97
Department Supervisor Date

Doshi 1/31/97
Chemist Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

DATA SUMMARY FORM

Laboratory Workorder	9701226	Client Project ID:	961163NB
Matrix:	WATER	Date Released:	1/31/97
Date Extracted:	1/30/97	Concentration Units:	ug/L
Instrument ID:	HP29		

<u>Laboratory ID</u>	<u>Client ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Dilution Factor</u>	<u>Reporting Limit</u>	<u>Amount Found</u>	<u>Surrogate Recovery</u>
9701226-15	DG-13	1/28/97	1/30/97	1	50	260	111%
BJ3012F1	Method Blank	N/A	1/30/97	1	50	ND	101%

ND: Not detected at or above the reporting limit for the method.
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3510. Surrogate recovery quality control limits for o-terphenyl are 65-122%. All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS DIESEL
INCHCAPE TESTING SERVICES/ ENVIRONMENTAL LABORATORIES
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	961163NB	Laboratory ID:	M/NJ3012F1
Matrix:	WATER	Date Released:	1/31/97
Date Extracted:	1/30/97	Instrument ID:	HP29
Date Analyzed:	1/30/97	Concentration Units:	ug/L

<u>COMPOUND</u> <u>NAME</u>	<u>SPIKE</u> <u>AMT</u>	<u>LCS</u> <u>CONC</u>	<u>% REC</u> <u>LCS</u>	<u>LCSD</u> <u>CONC</u>	<u>%REC</u> <u>LCSD</u>	<u>RPD</u>
Diesel	1250	1220	98%	1330	106%	9%
o-Terphenyl			111%		110%	

Quality control limits for LCS/LCSD recovery are 34-111%.

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 65-122%.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9701226- 1	G-1	WATER	01/28/97	T 22-MET
9701226- 2	G-4	WATER	01/28/97	T 22-MET
9701226- 3	G-5	WATER	01/28/97	T 22-MET
9701226- 4	G-6	WATER	01/28/97	T 22-MET
9701226- 5	G-7	WATER	01/28/97	T 22-MET
9701226- 6	G-8	WATER	01/28/97	T 22-MET
9701226- 7	G-9	WATER	01/28/97	T 22-MET
9701226- 8	G-10	WATER	01/28/97	T 22-MET
9701226- 9	G-11	WATER	01/28/97	T 22-MET
9701226-10	G-12	WATER	01/28/97	T 22-MET
9701226-11	G-13	WATER	01/28/97	T 22-MET
9701226-12	G-14	WATER	01/28/97	T 22-MET
9701226-13	G-15	WATER	01/28/97	T 22-MET
9701226-14	G-16	WATER	01/28/97	T 22-MET
9701226-15	DG-13	WATER	01/28/97	T 22-MET

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9701226
Date Received : 01/29/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :



- All holding times have been met for the analyses reported in this section.

Tracey Johnson for 2/14/97
Department Supervisor Date

[Signature] 2/13/97
Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-01
Client Sample ID: G-1
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: 
Supervisor: 

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	163	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	244	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	53.3	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-02
Client Sample ID: G-4
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-03
Client Sample ID: G-5
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	6.0	
Mercury	7470A	15730	7470A	HGA2	02/13/97	02/13/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-04
Client Sample ID: G-6
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *JK*
Supervisor: *TD*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	15.0	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	12.8	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	0.48	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-05
Client Sample ID: G-7
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *B*
Supervisor: *TD*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	22.7	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	0.48	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-06
Client Sample ID: G-8
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *J*
Supervisor: *TR*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-07
Client Sample ID: G-9
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *Q*
Supervisor: *W*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	20.0	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	4.9	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	61.3	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	2	ug/L	10.0	ND	I
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	2	ug/L	20.0	ND	I
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	57.8	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-08
Client Sample ID: G-10
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	10.7	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	7.2	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	140	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	2	ug/L	10.0	ND	I
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	106	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-09
Client Sample ID: G-11
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	9.6	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	212	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	8.3	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	1920	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	2	ug/L	20.0	ND	I
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	429	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-10
Client Sample ID: G-12
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *ES*
Supervisor: *TD*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	66.3	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	138	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	74.2	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-11
Client Sample ID: G-13
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *S*
Supervisor: *TD*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	17.6	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	322	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-12
Client Sample ID: G-14
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *GF*
Supervisor: *TD*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	62.7	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-13
Client Sample ID: G-15
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *SP*
Supervisor: *W*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-14
Client Sample ID: G-16
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *AS*
Supervisor: *TW*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	11.2	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	111	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

ITS-SJ Sample ID: 9701226-15
Client Sample ID: DG-13
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Date Sampled: 01/28/97
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Prep. Batch	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	17.4	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	226	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Mercury	7470A	15597	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ307WZ**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701226**
Client Project Number: **961163NB**
Matrix: **WATER**

SDG #: **N/A**
Prep. Batch: **15590**
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date FILTERED	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Antimony	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	60.0	ND	
Arsenic	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Barium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	100	ND	
Beryllium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Cadmium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Chromium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Cobalt	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Copper	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	25.0	ND	
Lead	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	3.0	ND	
Molybdenum	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Nickel	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	40.0	ND	
Selenium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	5.0	ND	
Silver	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Thallium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	10.0	ND	
Vanadium	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	
Zinc	N/A	6010A	ICP3	01/30/97	02/03/97	1	ug/L	50.0	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BJ307WB**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701226**
Client Project Number: **961163NB**
Matrix: **WATER**



SDG #: **N/A**
Prep. Batch: **15597**
Analyst: *S*
Supervisor: *UP*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Mercury	7470A	7470A	HGA2	01/30/97	02/04/97	1	ug/L	0.20	ND	

COMMENTS: "D"

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT

ITS-SJ Sample ID: BF137WA
Client Sample ID: N/A
ITS-SJ WO #: 9701226
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Prep. Batch: 15730
Analyst: 
Supervisor: 

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Mercury	7470A	7470A	HGA2	02/13/97	02/13/97	1	ug/L	0.20	ND	

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9701226-03DU
Client Sample ID: G-5
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Analyst: *ES*
Supervisor: *W*

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Antimony	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Arsenic	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Barium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Beryllium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Cadmium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Chromium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Cobalt	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Copper	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Lead	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	6.0	6.0	0.0	
Mercury	7470A	15730	7470A	HGA2	01/30/97	02/13/97	1	ug/L	0.10	0.23	78.8	
Molybdenum	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Nickel	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Selenium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Silver	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Vanadium	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	
Zinc	N/A	15590	6010A	ICP3	01/30/97	02/03/97	1	ug/L	ND	ND	N/A	

COMMENTS: "D"

The RPD for mercury is out of the ITS-San Jose control limits. The samples were reprepared and re-analyzed with similar results. The second preparation is reported.

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9701226-03MS
Client Sample ID: G-5
Client Project Number: 961163NB
Matrix: WATER

SDG #: N/A
Analyst: *EB*
Supervisor: *VJ*

Analyte	Prep. Batch	Analyt. Meth.	Instr. I.D.	Date Prepared	Date Analyzed	D.F.	Units	Spike Amt.	Samp Conc.	Matrix Spike Conc.	% Rec.	Matrix Sp. Dup. Conc.	% Rec.	RPD	Q
Antimony	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	914	91.4				U
Arsenic	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	1020	102				U
Barium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	945	94.5				U
Beryllium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	906	90.6				U
Cadmium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	904	90.4				U
Chromium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	893	89.3				U
Cobalt	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	946	94.6				U
Copper	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	926	92.6				U
Lead	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	6.0	922	91.6				
Mercury	15730	7470A	HGA2	02/13/97	02/13/97	1	ug/L	1.0	0.0	1.2	120	1.2	120	0.0	U
Molybdenum	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	886	88.6				U
Nickel	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	929	92.9				U
Selenium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	1140	114				U
Silver	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	924	92.4				U
Thallium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	932	93.2				U
Vanadium	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	924	92.4				U
Zinc	15590	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	0.0	943	94.3				U

COMMENTS: "D"

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: **LF307WE**
 Client Sample ID: **N/A**
 ITS-SJ WO #: **9701226**
 Client Project Number: **961163NB**
 Matrix: **WATER**

SDG #: **N/A**
 Prep. Batch: **15590**
 Analyst: *[Signature]*
 Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Antimony	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	982	98.2	
Arsenic	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	996	99.6	
Barium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1010	101	
Beryllium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	984	98.4	
Cadmium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1010	101	
Chromium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1020	102	
Cobalt	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1020	102	
Copper	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1030	103	
Lead	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1010	101	
Molybdenum	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	996	100	
Nickel	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1030	103	
Selenium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	996	100	
Silver	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1020	102	
Thallium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1000	100	
Vanadium	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	1010	101	
Zinc	N/A	6010A	ICP3	02/03/97	02/03/97	1	ug/L	1000	993	99.3	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: **LF137WA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9701226**
Client Project Number: **961163NB**
Matrix: **WATER**

SDG #: **N/A**
Prep. Batch: **15730**
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Mercury	7470A	7470A	HGA2	02/13/97	02/13/97	1	ug/L	1.0	1.10	110	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LJ307WB
 Client Sample ID: N/A
 ITS-SJ WO #: 9701226
 Client Project Number: 961163NB
 Matrix: WATER

SDG #: N/A
 Prep. Batch: 15597
 Analyst: *[Signature]*
 Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Mercury	7470A	7470A	HGA2	01/30/97	02/04/97	1	ug/L	1.0	0.85	85.0	

COMMENTS:

Woodward-Clyde Consultants

500 12th Street, Suite 200 • Oakland, CA 94612-4014
(510) 893-3600

Chain of Custody Record

97012268 ^{10/5} ¹⁶ ¹⁸

PROJECT NO. **961163NB**

SAMPLERS: (Signature) *J. Lebeque*

Title 22 Tables
(1.80 head)

8270 SubGs
8150 Includes

ANALYSES

EPA Method 8270 SubGs
EPA Method 8150 Includes
EPA 806 TPHgas
EPA 8015 THG
EPA 8080 PCBES
EPA 8260 VOCs

Number of Containers

REMARKS
(Sample preservation, handling procedures, etc.)

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩
- ⑪
- ⑫
- ⑬
- ⑭
- ⑮

DATE	TIME	SAMPLE NUMBER	Sample Matrix (Soil, Water, Air)	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	Number of Containers
1/23/97	①	G-1	W	X								1
		G-2	W									
		G-3	W									
	②	G-4	W	X								1
	③	G-5	W	X								1
	④	G-6	W	X		X						2
	⑤	G-7	W	X								1
	⑥	G-8	W	X		X		X				3
	⑦	G-9	W	X								1
	⑧	G-10	W	X								1
	⑨	G-11	W	X								1
	⑩	G-12	W	X								1
	⑪	G-13	W	X								1
	⑫	G-14	W	X								1
	⑬	G-15	W	X								1
	⑭	G-16	W	X								1
✓	⑮	DG-13	W	X		X	X	X	X	X		7

* Please
Filter &
Preserve

Thanks

Questions/Results
AP. Ridley (510) 874-3125

2 coolers

TOTAL NUMBER OF CONTAINERS **24**

RELINQUISHED BY: (Signature) <i>J. Lebeque</i>	DATE/TIME 1/29/97 16:00	RECEIVED BY: (Signature) <i>Laura Dean</i>	RELINQUISHED BY: (Signature) <i>Laura Dean</i>	DATE/TIME 1-29-97 18:20	RECEIVED BY: (Signature)
METHOD OF SHIPMENT: INCHCAPE PICK-UP		SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY (Signature) <i>R</i>	DATE/TIME 1/29/97 18:20



SAMPLE RECEIVING CHECKLIST		
Workorder Number: 9701226	Client Project ID: 961163NB	Quote Number:
Cooler		
Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO <u>N/A</u>
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>N/A</u>
Temperature of sample(s) within range? List temperatures of cooler(s): 4°C, 4°C Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<u>YES</u>	NO N/A
Samples		
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>N/A</u>
Samples arrived within holding time?	<u>YES</u>	NO N/A
Samples in proper containers for methods requested? Condition of containers: Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
VOA containers received with zero headspace or bubbles < 6 mm?	<u>YES</u>	NO N/A
Container labels complete? (ID, date, time, preservative)	<u>YES</u>	NO N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	YES	<u>NO</u> N/A
pH check of samples required at time of receipt? (volatiles checked at analysis) If YES, pH checked and recorded by:	YES	<u>NO</u>
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
Field blanks received with sample batch?	YES	NO <u>N/A</u>
Trip blanks received with sample batch?	YES	NO <u>N/A</u>
Chain of Custody		
Chain of custody form received with samples?	<u>YES</u>	NO
Has it been filled out completely and in ink?	<u>YES</u>	NO
Sample IDs on chain of custody form agree with labels?	<u>YES</u>	NO
Number of containers on chain agree with number received?	YES	<u>NO</u>
Analysis methods specified?	<u>YES</u>	NO
Sampling date and time indicated?	YES	<u>NO</u>
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
Turnaround time? Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: JP Date: 129-97 Project Manager: [Signature] Date: 1/30/97



Inchcape Testing Services

Environmental Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9702063
Date Received : 02/10/97
Project ID : 961163NB
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

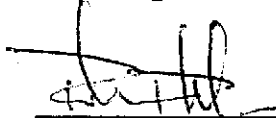
ANAMETRIX ID	CLIENT SAMPLE ID
9702063- 1	SG-12
9702063- 2	SS-9
9702063- 3	SS-11

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.



Project Manager

2/18/97
Date

This report consists of 17 pages.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9702063
Date Received : 02/10/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9702063- 1	SG-12	SOIL	01/21/97	1311-INORG
9702063- 2	SS-9	SOIL	01/26/97	1311-INORG
9702063- 3	SS-11	SOIL	01/26/97	1311-INORG
9702063- 1	SG-12	SOIL	01/21/97	1312-INORG
9702063- 2	SS-9	SOIL	01/26/97	1312-INORG
9702063- 1	SG-12	SOIL	01/21/97	CWETMETALS
9702063- 2	SS-9	SOIL	01/26/97	CWETMETALS
9702063- 3	SS-11	SOIL	01/26/97	CWETMETALS

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. AL RIDLEY
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4014

Workorder # : 9702063
Date Received : 02/10/97
Project ID : 961163NB
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

Mona Kanel for 02/18/97
Department Supervisor Date

[Signature] 2/18/97
Chemist Date

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

Analyte-Method: Lead-6010A STLC
Client Project Number: 961163NB
Matrix - Units: SOIL - mg/L

SDG #: N/A
Prep. Batch: 15697
Analyst: *Mh*
Supervisor: *KA*

ITS-SJ Sample ID	Client Sample ID	Prep. Method	Instr. ID	Date Sampled	Date Prepared	Date Analyzed	D.F.	Reporting Limit	Results	Q
9702063-01	SG-12	CWET	ICP3	01/21/97	02/12/97	02/14/97	5	0.015	0.12	
9702063-02	SS-9	CWET	ICP3	01/26/97	02/12/97	02/14/97	5	0.015	3.0	
9702063-03	SS-11	CWET	ICP3	01/26/97	02/12/97	02/18/97	50	0.15	44.4	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

Analyte-Method: **Lead-6010A TCLP**
Client Project Number: **961163NB**
Matrix - Units: **SOIL - mg/L**

SDG #: **N/A**
Prep. Batch: **15703**
Analyst: *MW*
Supervisor: *for*

ITS-SJ Sample ID	Client Sample ID	Prep. Method	Instr. ID	Date Sampled	Date Prepared	Date Analyzed	D.F.	Reporting Limit	Results	Q
9702063-01	SG-12	3010A	ICP3	01/21/97	02/11/97	02/13/97	5	0.015	ND	
9702063-02	SS-9	3010A	ICP3	01/26/97	02/11/97	02/13/97	5	0.015	0.072	
9702063-03	SS-11	3010A	ICP3	01/26/97	02/11/97	02/13/97	5	0.015	8.6	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
DATA REPORT**

Analyte-Method: **Lead-6010A SPLP**
Client Project Number: **961163NB**
Matrix - Units: **SOIL - mg/L**

SDG #: **N/A**
Prep. Batch: **15721**
Analyst: *MW*
Supervisor: *At*

ITS-SJ Sample ID	Client Sample ID	Prep. Method	Instr. ID	Date Sampled	Date Prepared	Date Analyzed	D.F.	Reporting Limit	Results	Q
9702063-01	SG-12	3010A	ICP3	01/21/97	02/12/97	02/13/97	5	0.015	0.017	
9702063-02	SS-9	3010A	ICP3	01/26/97	02/12/97	02/13/97	5	0.015	0.11	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BF127EA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9702063**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15697**
Analyst: *M*
Supervisor: *J*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead STLC	CWET	6010A	ICP3	02/12/97	02/14/97	5	mg/L	0.015	ND	

COMMENTS:

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SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT**

ITS-SJ Sample ID: **BF117TA**
Client Sample ID: **N/A**
ITS-SJ WO #: **9702063**
Client Project Number: **961163NB**
Matrix: **SOIL**

SDG #: **N/A**
Prep. Batch: **15703**
Analyst: *[Signature]*
Supervisor: *[Signature]*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead TCLP	3010A	6010A	ICP3	02/11/97	02/13/97	5	mg/L	0.015	ND	

COMMENTS:

INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
METHOD BLANK REPORT

ITS-SJ Sample ID: BF127PA
Client Sample ID: N/A
ITS-SJ WO #: 9702063
Client Project Number: 961163NB
Matrix: SOIL

SDG #: N/A
Prep. Batch: 15721
Analyst: *M*
Supervisor: *AS*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Reporting Limit	Results	Q
Lead SPLP	3010A	6010A	ICP3	02/12/97	02/13/97	5	mg/L	0.015	ND	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 SAMPLE DUPLICATE REPORT**

ITS-SJ Sample ID: 9702063-02DU
 Client Sample ID: SS-9
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: *MM*
 Supervisor: *AA*

Analyte	Prep. Method	Prep. Batch	Analyt. Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Sample Conc.	Sample Duplicate Conc.	RPD	Q
Lead STLC	CWET	15697	6010A	ICP3	02/12/97	02/14/97	5	mg/L	3.0	3.0	0.0	
Lead TCLP	CWET	15703	6010A	ICP3	02/11/97	02/13/97	5	mg/L	0.072	0.074	2.7	
Lead SPLP	CWET	15721	6010A	ICP3	02/12/97	02/13/97	5	mg/L	0.11	0.13	16.7	

COMMENTS:

**INCHCAPE TESTING SERVICES
SAN JOSE LABORATORIES
(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9702063-02MS
Client Sample ID: SS-9
Client Proj. Number: 961163NB
Matrix: **SOIL**

SDG #: N/A
Analyst: *M*
Supervisor: *AA*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.	
Lead STLC	15697	6010A	ICP3	02/12/97	02/14/97	mg/L	1.0	3.0	4.0	100	

COMMENTS: "C"

**INCHCAPE TESTING SERVICES
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(408) 432-8192
MATRIX SPIKE REPORT**

ITS-SJ Sample ID: 9702063-02MS
 Client Sample ID: SS-9
 Client Proj. Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Analyst: *[Signature]*
 Supervisor: *[Signature]*

Analyte	Prep. Batch	Analyt. Method	Instr. I.D.	Date Prepared	Date Analyzed	Units	Spike Amt.	Sample Conc.	Matrix Spike Conc.	% Rec.
Lead TCLP	15703	6010A	ICP3	02/11/97	02/13/97	mg/L	5.0	0.072	4.8	94.6
Lead SPLP	15721	6010A	ICP3	02/12/97	02/13/97	mg/L	5.0	0.11	4.6	89.8

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LF147WE
 Client Sample ID: N/A
 ITS-SJ WO #: 9702063
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15697
 Analyst: *MU*
 Supervisor: *AA*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead STLC	CWET	6010A	ICP3	02/14/97	02/14/97	5	mg/L	1.0	1.1	110	

COMMENTS: "C"

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LF117TA
 Client Sample ID: N/A
 ITS-SJ WO #: 9702063
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15703
 Analyst: *M*
 Supervisor: *A*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead TCLP	3010A	6010A	ICP3	02/11/97	02/13/97	5	mg/L	5.0	4.7	94.0	

COMMENTS:

**INCHCAPE TESTING SERVICES
 SAN JOSE LABORATORIES
 (408) 432-8192
 LABORATORY CONTROL SAMPLE REPORT**

ITS-SJ Sample ID: LF127PA
 Client Sample ID: N/A
 ITS-SJ WO #: 9702063
 Client Project Number: 961163NB
 Matrix: SOIL

SDG #: N/A
 Prep. Batch: 15721
 Analyst: *Mh*
 Supervisor: *AA*

Analyte	Prep. Method	Analytical Method	Instr. ID	Date Prepared	Date Analyzed	Dil. Factor	Units	Spike Amount	LCS Results	% Recovery	Q
Lead SPLP	3010A	6010A	ICP3	02/12/97	02/13/97	5	mg/L	5.0	4.8	96.0	

COMMENTS:

500 12th Street, Suite 100
Oakland, CA 94607-4014
PH: 1 (510) 874-3184
FAX: (510) 874-3268



9702063 (33)

FACSIMILE TRANSMITTAL

Transmitted By:

Name: Jerome Lebegue Date: 2/10/97
Number of Pages (including cover sheet): 1

Please Deliver To:

Name: Rich Phaler
Company: ITS
Fax No.: 1 (408) 432-8198 Office PH: 1 (408) 432-8192
Subject: Soil analysis - Wind River Project No.: 961163NB

Remarks:

Rich,

could you please analyze soil samples SG-15, SS-9, and SS-11 for lead only, with the following methods:

970117B-09

9701190-07-D
-09

- ① ~~SG-15 for: TCLP 1312 and CWET~~
 - ② SS-9 for: TCLP 1312, TCLP 1311, and CWET
 - ③ SS-11 for TCLP 1311 and CWET
 - ④ SG-12 FOR TCLP 1312, TCLP 1311, CWET
- Thanks a lot,

> ON 5-DAY RUSH !!

Jerome Lebegue

RELOG-IN AS A NEW WORK ORDER

We are transmitting from Fax. No. (510) 874-3268.
If you do not receive all pages or if the transmission is not legible,
please contact the sender at your earliest convenience.

SAMPLE RECEIVING CHECKLIST		
Workorder Number: 9702063	Client Project ID: 961163NB	Quote Number:
Cooler		
Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO <u>N/A</u>
Custody Seal on the outside of cooler? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>N/A</u>
Temperature of sample(s) within range? List temperatures of cooler(s): SAMPLES TAKEN FROM (R) 33 Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	<u>YES</u>	NO N/A IR <u>NA</u> Temp Blank <u>NA</u>
Samples		
Chain of custody seal present for each container? Condition: Intact <input type="checkbox"/> Broken <input type="checkbox"/>	YES	NO <u>N/A</u>
Samples arrived within holding time?	<u>YES</u>	NO N/A
Samples in proper containers for methods requested? Condition of containers: Intact <input checked="" type="checkbox"/> Broken <input type="checkbox"/> If NO, were samples transferred to proper container(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
VOA containers received with zero headspace or bubbles < 6 mm?	YES	NO <u>N/A</u>
Container labels complete? (ID, date, time, preservative)	<u>YES</u>	NO N/A
Samples properly preserved? If NO, was the preservative added at time of receipt? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO N/A
pH check of samples required at time of receipt?(volatiles checked at analysis) If YES, pH checked and recorded by:	YES	<u>NO</u>
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified? Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
Field blanks received with sample batch?	YES	NO <u>N/A</u>
Trip blanks received with sample batch?	YES	NO <u>N/A</u>
Chain of Custody		
Chain of custody form received with samples?	<u>YES</u>	NO
Has it been filled out completely and in ink?	<u>YES</u>	NO
Sample IDs on chain of custody form agree with labels?	<u>YES</u>	NO
Number of containers on chain agree with number received?	<u>YES</u>	NO
Analysis methods specified?	<u>YES</u>	NO
Sampling date and time indicated?	<u>YES</u>	NO
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>YES</u>	NO
Turnaround time? Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 5 DAY		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: [Signature] Date: 02/10/97 Project Manager: [Signature] Date: 2/18/97



Inchcape Testing Services

Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

ANALYTICAL REPORT

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler
PROJECT : 9701179 961163NB

Included in this data package are the analytical results for the sample group which you have submitted to Inchcape Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.

Martin Jeffus
General Manager



Inchcape Testing Services

Environmental Laboratories

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 Fax 972-238-5592

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-1
 REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
 ID MARKS : #4 G-1
 PROJECT : 9701179 961163NB
 DATE SAMPLED : 22-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : HCS
 PREPARED ON : 29-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 7-FEB-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 10
 QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1103-1
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		146 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-2

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #5 G-5
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1103-2
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		126 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-3

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
 ID MARKS : #6 G-14
 PROJECT : 9701179 961163NB
 DATE SAMPLED : 22-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : HCS
 PREPARED ON : 29-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 8-FEB-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 10
 QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1103-3
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		86.5 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-4

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
 ID MARKS : #7 G-13
 PROJECT : 9701179 961163NB
 DATE SAMPLED : 22-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : HCS
 PREPARED ON : 29-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 8-FEB-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 10
 QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



Inchcape Testing Services

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REPORT NUMBER : D97-1103-4
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		108 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-5
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #8 G-16
PROJECT : 9701179 961163NB
DATE SAMPLED : 23-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES			
TEST REQUESTED	DETECTION LIMIT	RESULTS	
2,4-D	1.00 µg/L	<	1.00 µg/L
2,4-DB	1.00 µg/L	<	1.00 µg/L
2,4,5-T	0.200 µg/L	<	0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	<	0.200 µg/L
Dalapon	4.00 µg/L	<	4.00 µg/L
Dicamba	0.300 µg/L	<	0.300 µg/L
Dichlorprop	0.700 µg/L	<	0.700 µg/L
Dinoseb	0.100 µg/L	<	0.100 µg/L
MCPA	100 µg/L	<	100 µg/L
MCPP	100 µg/L	<	100 µg/L



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REPORT NUMBER : D97-1103-5
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		144 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-6
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #13 G-10
PROJECT : 9701179 961163NB
DATE SAMPLED : 23-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1103-6
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		120 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-7
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #15 G-9
PROJECT : 9701179 961163NB
DATE SAMPLED : 23-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



Inchcape Testing Services

Environmental Laboratories

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REPORT NUMBER : D97-1103-7
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		102 %



Inchcape Testing Services

Environmental Laboratories

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Richardson, TX 75081
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Fax 972-238-5592

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-8

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #1 SS-6
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 30-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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Environmental Laboratories

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REPORT NUMBER : D97-1103-8
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		129 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-8
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #1 SS-6
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.7 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-9
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #2 SS-7
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 30-JAN-1997
DILUTION FACTOR : 2
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
2,4-DB	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
2,4,5-T	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
2,4,5-TP(Silvex)	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
Dalapon	400 $\mu\text{g}/\text{Kg}$	< 400 $\mu\text{g}/\text{Kg}$
Dicamba	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
Dichlorprop	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
Dinoseb	40.0 $\mu\text{g}/\text{Kg}$	< 40.0 $\mu\text{g}/\text{Kg}$
MCPA	40000 $\mu\text{g}/\text{Kg}$	< 40000 $\mu\text{g}/\text{Kg}$
MCPP	40000 $\mu\text{g}/\text{Kg}$	< 40000 $\mu\text{g}/\text{Kg}$



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REPORT NUMBER : D97-1103-9
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		96.2 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-9
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #2 SS-7
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.4 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-10
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #3 SS-8
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 30-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-10
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		110 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-10

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #3 SS-8
PROJECT : 9701179 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.0 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-11

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #17 SG-2
PROJECT : 9701179 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 31-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-11
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		104 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-11

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #17 SG-2
PROJECT : 9701179 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	90.9 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-12
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #5 SS-5
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 31-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-12
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		111 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-12
REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #5 SS-5
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	89.7 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-13

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #6 SS-4
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 6-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-13
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		125 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-13

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #6 SS-4
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	87.3 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-14

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #7 SS-9
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 31-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-14
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		111 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-14

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #7 SS-9
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	91.0 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-15

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #8 SS-10
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 31-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1103-15
ANALYSIS METHOD : EPA 8151 /1

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QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		90.2 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-15

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #8 SS-10
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	98.3 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-16

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #9 SS-11
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : CLT
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 31-JAN-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	9.72 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-16
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		100 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-16

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #9 SS-11
PROJECT : 9701179 961163NB
DATE SAMPLED : 24-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	89.7 %
Analyzed using ASTM D2216 mod. on 3-FEB-1997 by SAB QC Batch No : 983060E		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-17

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
 ID MARKS : Method Blank
 PROJECT : 9701179 961163NB
 DATE SAMPLED : 28-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : CLT
 PREPARED ON : 29-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 30-JAN-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 1
 QC BATCH NO : AC011-18

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1103-17
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		113 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1103-18

REPORT DATE : 10-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : Method Blank
PROJECT : 9701179 961163NB
DATE SAMPLED : 28-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Datapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1103-18
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		122 %



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REPORT DATE : 10-FEB-1997

REPORT NUMBER : D97-1103

SAMPLE SUBMITTED BY : ITS/San Jose
ATTENTION : Rich Phaler
PROJECT : 9701179 961163NB

LABORATORY QUALITY CONTROL REPORT

ANALYTE	2,4-D	2,4,5-T	2,4,5-TP	2,4-D	2,4,5-T
BATCH NO.	AC011-24	AC011-24	AC011-24	AC011-18	AC011-18
LCS LOT NO.	AB988-14	AB988-14	AB988-14	AB868-21	AB868-21
PREP METHOD	EPA 8151	EPA 8151	EPA 8151	EPA 8151	EPA 8151
PREPARED BY	HCS	HCS	HCS	CLT	CLT
ANALYSIS METHOD	EPA 8151	EPA 8151	EPA 8151	EPA 8151	EPA 8151
ANALYZED BY	MAK	MAK	MAK	MAK	MAK
UNITS	µg/L	µg/L	µg/L	µg/Kg	µg/Kg
METHOD BLANK	< 1.00	< 0.200	< 0.200	< 50.0	< 5.00
SPIKE LEVEL	8.00	0.800	0.800	133	13.3
SPK REC LIMITS	40.0 - 140	40.0 - 140	40.0 - 140	40.0 - 140	40.0 - 140
SPK RPD LIMITS	25.0	25.0	25.0	25.0	25.0
MS RESULT	7.15	0.691	0.641	145	14.9
MS RECOVERY %	89.4	86.4	80.1	109	112
MSD RESULT	7.69	0.720	0.677	130	14.1
MSD RECOVERY %	96.1	90.0	84.6	97.7	106
MS/MSD RPD %	7.28	4.11	5.46	10.9	5.52
BS RESULT	NA	NA	NA	146	15.4
BS RECOVERY %	NA	NA	NA	110	116
BSD RESULT	NA	NA	NA	143	14.8
BSD RECOVERY %	NA	NA	NA	108	111
BS/BSD RPD %	NA	NA	NA	2.08	3.97
DUP RPD LIMITS	---	---	---	---	---
DUPLICATE RPD %	NA	NA	NA	NA	NA
LCS LEVEL	4.00	0.400	0.400	133	13.3
LCS REC LIMITS	40.0 - 140	40.0 - 140	40.0 - 140	60.0 - 140	60.0 - 140
LCS RESULT	4.07	0.339	0.381	SEE_BS	SEE_BS
LCS RECOVERY %	102	84.8	95.3	SEE_BS	SEE_BS
SPIKE SAMPLE ID	1104-3	1104-3	1104-3	1025-3	1025-3
SAMPLE VALUE	< 1.00	< 0.200	< 0.200	< 50.0	< 5.00
DUP SAMPLE ID	---	---	---	---	---
DUP SAMPLE VAL/1	---	---	---	---	---
DUP SAMPLE VAL/2	---	---	---	---	---

NA Not applicable
SEE_BS LCS and LCS Duplicate reported as BS and BSD.



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REPORT DATE : 10-FEB-1997

REPORT NUMBER : D97-1103

SAMPLE SUBMITTED BY : ITS/San Jose
ATTENTION : Rich Phaler
PROJECT : 9701179 961163NB

LABORATORY QUALITY CONTROL REPORT

ANALYTE	2,4,5-TP
BATCH NO.	AC011-18
LCS LOT NO.	AB868-21
PREP METHOD	EPA 8151
PREPARED BY	CLT
ANALYSIS METHOD	EPA 8151
ANALYZED BY	MAK
UNITS	#g/Kg
METHOD BLANK	< 5.00
SPIKE LEVEL	13.3
SPK REC LIMITS	40.0 - 140
SPK RPD LIMITS	25.0
MS RESULT	13.1
MS RECOVERY %	98.5
MSD RESULT	12.0
MSD RECOVERY %	90.2
MS/MSD RPD %	8.76
BS RESULT	13.2
BS RECOVERY %	99.2
BSD RESULT	12.9
BSD RECOVERY %	97.0
BS/BSD RPD %	2.30
DUP RPD LIMITS	---
DUPLICATE RPD %	NA
LCS LEVEL	13.3
LCS REC LIMITS	60.0 - 140
LCS RESULT	SEE_BS
LCS RECOVERY %	SEE_BS
SPIKE SAMPLE ID	1025-3
SAMPLE VALUE	< 5.00
DUP SAMPLE ID	---
DUP SAMPLE VAL/1	---
DUP SAMPLE VAL/2	---

SEE_BS LCS and LCS Duplicate reported as BS and BSD.
NA Not applicable



CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME				Number of Cntrs	Type of Containers	Type of Analysis				Initial	
9701179		961163NB						SCREENED FOR RADIOACTIVITY					
Send Report Attention of:			Report Due	Verbal Due		of	of	Condition of Samples					
Rich Phaler			Std	/ /				COOLER TEMPERATURE WHEN RECEIVED _____ °C					
Sample Number	Date	Time	Comp	Matrix	Station Location								
4	1-22-97			H ₂ O	G-1	1	LITER AMBER	X				1103	-1
5	↓				G-5	↓							2
6	↓				G-14	↓							3
7	↓				G-13	2							4
8	1-23-97				G-16	1							5
13	↓				G-10	2							6
15	↓			↓	G-9	↓	↓		ORIGINAL				
1	1-22-97			SOL	SS-6	1	100ml JAR						
2	↓				SS-7	↓							9
3	↓				SS-8	↓							10
17	1-21-97			↓	SG-2	↓	↓	↓					11

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Remarks: MS/MSD REQ. NO BATCH MS/MSD. PLS HOLD SAMPLES 45 SUBBED TO ITS DALLAS DAYS AFTER REPORT IS MAILED. COMPANY: ADDRESS: PHONE : FAX :
<i>[Signature]</i>	01/27/97	<i>[Signature]</i>	1-28-97	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Date/Time	Received by Lab:	Date/Time	



CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME				Number of Cntrs	Type of Containers	Type of Analysis								Condition of Samples	Initial	
9701190		961163NB																
Send Report Attention of:				Report Due		Verbal Due												
Rich Phaler				7/21		/ /												
Sample Number	Date	Time	Comp	Matrix	Station Location													
5	1/24/97			Soil	SS-5		1	120mL Jar	X							1103	-12	
6	↓				SS-4		↓										13	
7	↓				SS-9		↓										14	
8	↓				SS-10		↓										15	
9	↓			↓	SS-11		↓	↓	↓								16	
Method Blank																soil	17	
Method Blank																liquid	18	
					COOLER TEMPERATURE WHEN RECEIVED		4 °C		SCREENED FOR RADIOACTIVITY									
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Remarks: ANALYST USE - NO BATCH MS/MSD. TJS FIELD SAMPLES 45 PASS INITIAL REPORT IS MAILED. SHIPPED TO NE-DALLAS.										
Hh		01/27/97 1603																
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time												
Relinquished by: (Signature)		Date/Time		Received by Lab:		Date/Time		COMPANY: ADDRESS: PHONE : FAX :										
				B. Wilson		1-25-97 1130												



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DATE RECEIVED: 28-Jan-1997

REPORT NUMBER: D97-1104

REPORT DATE: 11-Feb-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste E
San Jose, CA 95131
ATTENTION : Mr. Rich Phaler
DATE SAMPLED : 21-Jan-1997

CASE NARRATIVE COMMENTS:

The EPA 8151 analysis of samples D97-1104-3 and 7 were performed outside the recommended EPA holding time, as the samples were received after the holding time had expired on this test.

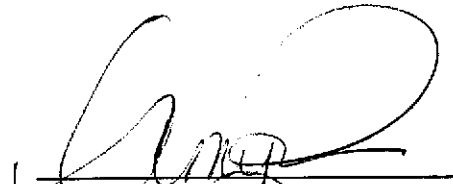
EPA 8150 analysis

Due to the heavy organic nature of the sample matrix, D97-1104-1,9, and 7 were prepared at a reduced sample volume. The reduced volume yielded a method factor, raising the reporting limits according.

The surrogate recovery of samples D97-1104-2,9,10 and 11 were outside control limits. The samples were re-extracted, however, the surrogate recoveries remained outside control limits. Matrix interference has been attributed to the loss of the surrogate recoveries.

No further issues were noted during the sample analysis of this job.

If you have any questions, please call Mr. John Todd at (972) 238-5591.



Amy Pence
Data Review/QC



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ANALYTICAL REPORT

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104

REPORT DATE : 11-FEB-1997

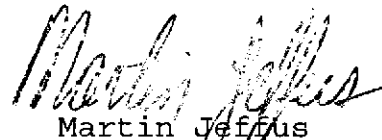
SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler
PROJECT : 9701178 961163NB

Included in this data package are the analytical results for the sample group which you have submitted to Inchcape Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.


Martin Jeffus
General Manager



Inchcape Testing Services

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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-1
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #1 SG-1
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 9-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-1
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		81.9 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-1
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #1 SG-1
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	96.4 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-2
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #2 SG-4
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 10-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 2
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4-DB	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4,5-T	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dalapon	400 $\mu\text{g/Kg}$	< 400 $\mu\text{g/Kg}$
Dicamba	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dichlorprop	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
Dinoseb	40.0 $\mu\text{g/Kg}$	< 40.0 $\mu\text{g/Kg}$
MCPA	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$
MCPP	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-2
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		0.0 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-2
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #2 SG-4
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	96.5 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-3

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #3 G-4
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



Inchcape Testing Services

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Tel. 972-238-5591
Fax 972-238-5592

REPORT NUMBER : D97-1104-3
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		104 %



Inchcape Testing Services

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 Tel. 972-238-5591
 Fax 972-238-5592

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-4
 REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
 ID MARKS : #4 SG-5
 PROJECT : 9701178 961163NB
 DATE SAMPLED : 21-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : JMR
 PREPARED ON : 31-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 8-FEB-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 1
 QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-4
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		120 %



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REPORT NUMBER : D97-1104-4

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #4 SG-5
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	93.1 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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REPORT NUMBER : D97-1104-5
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #5 SG-6
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-5
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		133 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-5
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #5 SG-6
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	87.1 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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REPORT NUMBER : D97-1104-6

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #6 SG-7
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-6
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		134 %



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REPORT NUMBER : D97-1104-6
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #6 SG-7
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	83.9 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-7

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #7 G-7
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 20
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	2.00 µg/L	< 2.00 µg/L
2,4-DB	2.00 µg/L	< 2.00 µg/L
2,4,5-T	0.400 µg/L	< 0.400 µg/L
2,4,5-TP(Silvex)	0.400 µg/L	< 0.400 µg/L
Dalapon	8.00 µg/L	< 8.00 µg/L
Dicamba	0.600 µg/L	< 0.600 µg/L
Dichlorprop	1.40 µg/L	< 1.40 µg/L
Dinoseb	0.200 µg/L	< 0.200 µg/L
MCPA	200 µg/L	< 200 µg/L
MCPP	200 µg/L	< 200 µg/L



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REPORT NUMBER : D97-1104-7
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		68.0 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-8
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #8 SG-9
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 2
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
2,4-DB	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
2,4,5-T	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
2,4,5-TP(Silvex)	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
Dalapon	400 $\mu\text{g}/\text{Kg}$	< 400 $\mu\text{g}/\text{Kg}$
Dicamba	10.0 $\mu\text{g}/\text{Kg}$	< 10.0 $\mu\text{g}/\text{Kg}$
Dichlorprop	100 $\mu\text{g}/\text{Kg}$	< 100 $\mu\text{g}/\text{Kg}$
Dinoseb	40.0 $\mu\text{g}/\text{Kg}$	< 40.0 $\mu\text{g}/\text{Kg}$
MCPA	40000 $\mu\text{g}/\text{Kg}$	< 40000 $\mu\text{g}/\text{Kg}$
MCPP	40000 $\mu\text{g}/\text{Kg}$	< 40000 $\mu\text{g}/\text{Kg}$



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REPORT NUMBER : D97-1104-8
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		94.7 %



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REPORT NUMBER : D97-1104-8
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #8 SG-9
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.5 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-9
 REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
 ID MARKS : #9 SG-15
 PROJECT : 9701178 961163NB
 DATE SAMPLED : 21-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : JMR
 PREPARED ON : 31-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 9-FEB-1997
 DILUTION FACTOR : 1
 METHOD FACTOR : 2
 QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4-DB	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4,5-T	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dalapon	400 $\mu\text{g/Kg}$	< 400 $\mu\text{g/Kg}$
Dicamba	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dichlorprop	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
Dinoseb	40.0 $\mu\text{g/Kg}$	< 40.0 $\mu\text{g/Kg}$
MCPA	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$
MCPP	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-9
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		38.9 %



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REPORT NUMBER : D97-1104-9

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #9 SG-15
PROJECT : 9701178 961163NB
DATE SAMPLED : 21-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	96.1 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-10
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #10 SG-14
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 10-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-10
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		0.0 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-10

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #10 SG-14
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	93.4 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-11

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #11 SG-13
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 10-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-11
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		0.0 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-11

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #11 SG-13
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.7 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-12

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #12 SG-8
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-12
ANALYSIS METHOD : EPA 8151 /1

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QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		122 %



Inchcape Testing Services

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Fax 972-238-5592

DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-12

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #12 SG-8
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	98.4 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983061F		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-13

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
 ADDRESS : 1961 Concourse Dr., Ste. E
 : San Jose, CA 95131
 ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
 ID MARKS : #13 SG-10
 PROJECT : 9701178 961163NB
 DATE SAMPLED : 22-JAN-1997
 PREPARATION METHOD : EPA 8151
 PREPARED BY : JMR
 PREPARED ON : 31-JAN-1997
 ANALYSIS METHOD : EPA 8151 /1
 ANALYZED BY : MAK
 ANALYZED ON : 8-FEB-1997
 DILUTION FACTOR : 2
 METHOD FACTOR : 1
 QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4-DB	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
2,4,5-T	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dalapon	400 $\mu\text{g/Kg}$	< 400 $\mu\text{g/Kg}$
Dicamba	10.0 $\mu\text{g/Kg}$	< 10.0 $\mu\text{g/Kg}$
Dichlorprop	100 $\mu\text{g/Kg}$	< 100 $\mu\text{g/Kg}$
Dinoseb	40.0 $\mu\text{g/Kg}$	< 40.0 $\mu\text{g/Kg}$
MCPA	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$
MCPP	40000 $\mu\text{g/Kg}$	< 40000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-13
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		78.2 %



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REPORT NUMBER : D97-1104-13
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #13 SG-10
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	92.3 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983062G		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-14

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #14 SG-12
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	94.8 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983062G		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-15

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #15 SG-11
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-15
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		130 %



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REPORT NUMBER : D97-1104-15

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #15 SG-11
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	90.1 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983062G		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-16

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #16 G-12
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	1.00 µg/L	< 1.00 µg/L
2,4-DB	1.00 µg/L	< 1.00 µg/L
2,4,5-T	0.200 µg/L	< 0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	< 0.200 µg/L
Dalapon	4.00 µg/L	< 4.00 µg/L
Dicamba	0.300 µg/L	< 0.300 µg/L
Dichlorprop	0.700 µg/L	< 0.700 µg/L
Dinoseb	0.100 µg/L	< 0.100 µg/L
MCPA	100 µg/L	< 100 µg/L
MCPP	100 µg/L	< 100 µg/L



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REPORT NUMBER : D97-1104-16
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		122 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-17

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #17 SG-16
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-17
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		127 %



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REPORT NUMBER : D97-1104-17

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #17 SG-16
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	89.5 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983062G		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-18

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #18 SS-2
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 9-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-18
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		76.7 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-18

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #18 SS-2
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	97.9 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 9830626		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-19
REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #19 SS-3
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 8-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 µg/Kg	< 50.0 µg/Kg
2,4-DB	50.0 µg/Kg	< 50.0 µg/Kg
2,4,5-T	5.00 µg/Kg	< 5.00 µg/Kg
2,4,5-TP(Silvex)	5.00 µg/Kg	< 5.00 µg/Kg
Dalapon	200 µg/Kg	< 200 µg/Kg
Dicamba	5.00 µg/Kg	< 5.00 µg/Kg
Dichlorprop	50.0 µg/Kg	< 50.0 µg/Kg
Dinoseb	20.0 µg/Kg	< 20.0 µg/Kg
MCPA	20000 µg/Kg	< 20000 µg/Kg
MCPP	20000 µg/Kg	< 20000 µg/Kg



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REPORT NUMBER : D97-1104-19
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		127 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-19

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : #19 SS-3
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	89.8 %
Analyzed using ASTM D2216 mod. on 4-FEB-1997 by SAB QC Batch No : 983062G		



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-20

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : #20 G-15
PROJECT : 9701178 961163NB
DATE SAMPLED : 22-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES			
TEST REQUESTED	DETECTION LIMIT	RESULTS	
2,4-D	1.00 µg/L	<	1.00 µg/L
2,4-DB	1.00 µg/L	<	1.00 µg/L
2,4,5-T	0.200 µg/L	<	0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	<	0.200 µg/L
Dalapon	4.00 µg/L	<	4.00 µg/L
Dicamba	0.300 µg/L	<	0.300 µg/L
Dichlorprop	0.700 µg/L	<	0.700 µg/L
Dinoseb	0.100 µg/L	<	0.100 µg/L
MCPA	100 µg/L	<	100 µg/L
MCPP	100 µg/L	<	100 µg/L



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REPORT NUMBER : D97-1104-20
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		107 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-21

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Water
ID MARKS : Method Blank
PROJECT : 9701178 961163NB
DATE SAMPLED : 28-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : HCS
PREPARED ON : 29-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 7-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : AC011-24

CHLORINATED HERBICIDES			
TEST REQUESTED	DETECTION LIMIT	RESULTS	
2,4-D	1.00 µg/L	<	1.00 µg/L
2,4-DB	1.00 µg/L	<	1.00 µg/L
2,4,5-T	0.200 µg/L	<	0.200 µg/L
2,4,5-TP(Silvex)	0.200 µg/L	<	0.200 µg/L
Dalapon	4.00 µg/L	<	4.00 µg/L
Dicamba	0.300 µg/L	<	0.300 µg/L
Dichlorprop	0.700 µg/L	<	0.700 µg/L
Dinoseb	0.100 µg/L	<	0.100 µg/L
MCPA	100 µg/L	<	100 µg/L
MCPP	100 µg/L	<	100 µg/L



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REPORT NUMBER : D97-1104-21
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		122 %



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DATE RECEIVED : 28-JAN-1997

REPORT NUMBER : D97-1104-22

REPORT DATE : 11-FEB-1997

SAMPLE SUBMITTED BY : ITS/San Jose
ADDRESS : 1961 Concourse Dr., Ste. E
: San Jose, CA 95131
ATTENTION : Rich Phaler

SAMPLE MATRIX : Soil
ID MARKS : Method Blank
PROJECT : 9701178 961163NB
DATE SAMPLED : 28-JAN-1997
PREPARATION METHOD : EPA 8151
PREPARED BY : JMR
PREPARED ON : 31-JAN-1997
ANALYSIS METHOD : EPA 8151 /1
ANALYZED BY : MAK
ANALYZED ON : 6-FEB-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC011-36

CHLORINATED HERBICIDES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
2,4-D	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4-DB	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
2,4,5-T	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
2,4,5-TP(Silvex)	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dalapon	200 $\mu\text{g/Kg}$	< 200 $\mu\text{g/Kg}$
Dicamba	5.00 $\mu\text{g/Kg}$	< 5.00 $\mu\text{g/Kg}$
Dichlorprop	50.0 $\mu\text{g/Kg}$	< 50.0 $\mu\text{g/Kg}$
Dinoseb	20.0 $\mu\text{g/Kg}$	< 20.0 $\mu\text{g/Kg}$
MCPA	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$
MCPP	20000 $\mu\text{g/Kg}$	< 20000 $\mu\text{g/Kg}$



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REPORT NUMBER : D97-1104-22
ANALYSIS METHOD : EPA 8151 /1

PAGE 2

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
2,4-Dichlorophenyl acetic acid (SS)		116 %



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REPORT DATE : 11-FEB-1997

REPORT NUMBER : D97-1104

SAMPLE SUBMITTED BY : ITS/San Jose
ATTENTION : Rich Phaler
PROJECT : 9701178 961163NB

LABORATORY QUALITY CONTROL REPORT

ANALYTE	2,4-D	2,4,5-T	2,4,5-TP	2,4-D	2,4,5-T
BATCH NO.	AC011-24	AC011-24	AC011-24	AC011-36	AC011-36
LCS LOT NO.	AB988-14	AB988-14	AB988-14	AB988-14	AB988-14
PREP METHOD	EPA 8151	EPA 8151	EPA 8151	EPA 8151	EPA 8151
PREPARED BY	HCS	HCS	HCS	JMR	JMR
ANALYSIS METHOD	EPA 8151	EPA 8151	EPA 8151	EPA 8151	EPA 8151
ANALYZED BY	MAK	MAK	MAK	MAK	MAK
UNITS	µg/L	µg/L	µg/L	µg/Kg	µg/Kg
METHOD BLANK	< 1.00	< 0.200	< 0.200	< 50.0	< 5.00
SPIKE LEVEL	8.00	0.800	0.800	133	13.3
SPK REC LIMITS	40.0 - 140	40.0 - 140	40.0 - 140	40.0 - 140	40.0 - 140
SPK RPD LIMITS	25.0	25.0	25.0	25.0	25.0
MS RESULT	7.15	0.691	0.641	NS	NS
MS RECOVERY %	89.4	86.4	80.1	NS	NS
MSD RESULT	7.69	0.720	0.677	NS	NS
MSD RECOVERY %	96.1	90.0	84.6	NS	NS
MS/MSD RPD %	7.28	4.11	5.46	NS	NS
BS RESULT	NA	NA	NA	138	8.83
BS RECOVERY %	NA	NA	NA	104	66.4
BSD RESULT	NA	NA	NA	138	10.2
BSD RECOVERY %	NA	NA	NA	104	76.7
BS/BSD RPD %	NA	NA	NA	0.00	14.4
DUP RPD LIMITS	---	---	---	---	---
DUPLICATE RPD %	NA	NA	NA	NA	NA
LCS LEVEL	4.00	0.400	0.400	133	13.3
LCS REC LIMITS	40.0 - 140	40.0 - 140	40.0 - 140	60.0 - 140	60.0 - 140
LCS RESULT	4.07	0.339	0.381	SEE_BS	SEE_BS
LCS RECOVERY %	102	84.8	95.3	SEE_BS	SEE_BS
SPIKE SAMPLE ID	1104-3	1104-3	1104-3	---	---
SAMPLE VALUE	< 1.00	< 0.200	< 0.200	---	---
DUP SAMPLE ID	---	---	---	---	---
DUP SAMPLE VAL/1	---	---	---	---	---
DUP SAMPLE VAL/2	---	---	---	---	---

NA Not applicable
NS Insufficient sample available for MS/MSD. BS/BSD used.
SEE_BS LCS and LCS Duplicate reported as BS and BSD.



Inchcape Testing Services

Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

REPORT DATE : 11-FEB-1997

REPORT NUMBER : D97-1104

SAMPLE SUBMITTED BY : ITS/San Jose
ATTENTION : Rich Phaler
PROJECT : 9701178 961163NB

LABORATORY QUALITY CONTROL REPORT

ANALYTE	2,4,5-TP
BATCH NO.	AC011-36
LCS LOT NO.	AB988-14
PREP METHOD	EPA 8151
PREPARED BY	JMR
ANALYSIS METHOD	EPA 8151
ANALYZED BY	MAK
UNITS	µg/Kg
METHOD BLANK	< 5.00
SPIKE LEVEL	13.3
SPK REC LIMITS	40.0 - 140
SPK RPD LIMITS	25.0
MS RESULT	NS
MS RECOVERY %	NS
MSD RESULT	NS
MSD RECOVERY %	NS
MS/MSD RPD %	NS
BS RESULT	11.7
BS RECOVERY %	88.0
BSD RESULT	12.9
BSD RECOVERY %	97.0
BS/BSD RPD %	9.76
DUP RPD LIMITS	---
DUPLICATE RPD %	NA
LCS LEVEL	13.3
LCS REC LIMITS	60.0 - 140
LCS RESULT	SEE_BS
LCS RECOVERY %	SEE_BS
SPIKE SAMPLE ID	---
SAMPLE VALUE	---
DUP SAMPLE ID	---
DUP SAMPLE VAL/1	---
DUP SAMPLE VAL/2	---

NS Insufficient sample available for MS/MSD. BS/BSD used.
SEE_BS LCS and LCS Duplicate reported as BS and BSD.
NA Not applicable



CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME				Number of Cntrns	Type of Containers	Type of Analysis					Initial
9701178		961162NPB											
Send Report Attention of:			Report Due		Verbal Due		SCREENED FOR RADIOACTIVITY					Condition of Samples	
Rich Phaler			9/14		/ /		COOLER TEMPERATURE WHEN RECEIVED					°C	
Sample Number	Date	Time	Comp	Matrix	Station Location								
1	11/21/97	0815		Soil	SG-1	1	100 mL JAR	X				1104	-1
2		0930		↓	SG-4	↓	↓						2
3		1050		H2O	G-4	2	LITEL AMBER						3
4		1200		Soil	SG-5	1	100 mL JAR						4
5		1215		↓	SG-6	1	↓						5
6		1245		↓	SG-7	↓	↓						6
7		1500		H2O	G-7	2	LITEL AMBER						7
8		1600		Soil	SG-9	1	100 mL JAR						8
9	↓	1700			SG-10	1							9
10	11/22/97	0730			SG-14	1							10
11	↓	0815			SG-13	1							11
12	↓	0900		↓	SG-8	↓	↓	↓					12

ORIGINAL

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Remarks: M-1150 REQ - NO BATCH MS/MSD. DLS HOLD SAMPLES 45 SUBBED TO ITS-DALLAS DAYS AFTER REPORT IS MADE
<i>[Signature]</i>	01/27/97	<i>B. Wilson</i>	1-28-97 1130	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Date/Time	Received by Lab:	Date/Time	COMPANY: ADDRESS: PHONE : FAX :

CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME				Number of Cntrs	Type of Containers	Type of Analysis						Initial
9701178		961163NB						COOLER TEMPERATURE WHEN RECEIVED						
Send Report Attention of:		Report Due	Verbal Due		of	of	SCREENED FOR RADIOACTIVITY						Condition of Samples	
Rich Pinner		7/27	/ /				X							
Sample Number	Date	Time	Comp	Matrix	Station Location									
13	11/22/97	1000		Soil	59-10	1	1000	X						1104-13
14		1030		↓	59-12	↓	↓							14
15		1100		↓	59-11	↓	↓							15
16		1130		H2O	61-12	2	1000							16
17		1200		Soil	59-16	1	1000							17
18		1500		↓	55-2	↓	↓							18
19		1530		↓	55-3	↓	↓							19
20		1500		H2O	61-15	2	1000	✓						20
Method Blank														Liquid 21
Method Blank														soil 22
														23
														(10)
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	Remarks: THE/HST REC. NO BATCHING/REQ. THE HOLD SAMPLES AS UNK AFTER REPORT IS MADE. SUBMIT TO HIS DALLAS								
JL		11/24/97												
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time	COMPANY:								
						ADDRESS:								
Relinquished by: (Signature)		Date/Time	Received by Lab:		Date/Time	PHONE :								
			B. Wilson		1-28-97 1130	FAX :								

