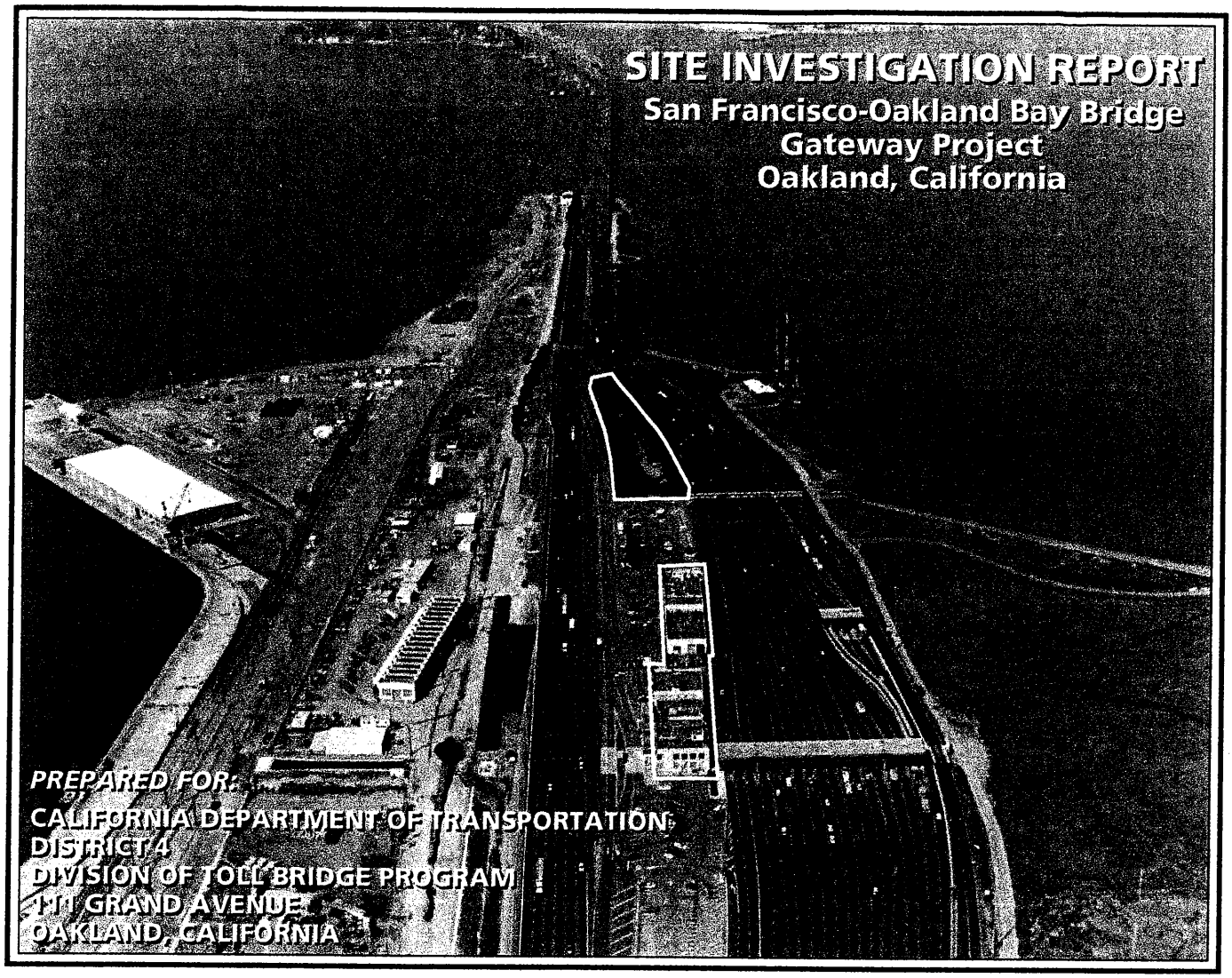

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GEOCON PROJECT NO. S8130-06-99A
TASK ORDER NO. 04-002971-DU

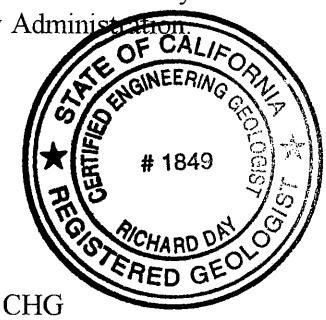
MAY 1999

REPORT LIMITATIONS

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. This report presents our professional judgment based upon data and findings identified in this report and the interpretation of such data based on our experience and background, and no warranty, either expressed or implied, is made. The conclusions presented are based on the current regulatory climate and may require revision if future regulatory changes occur.

The findings identified in this report are predicated on the results of the limited sampling and laboratory testing performed. This report does not address impacts related to sources other than those specified herein.

The contents of this report reflect the views of Geocon Environmental Consultants, Inc., who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.



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LIST OF ACRONYMS

40 CFR	Chapter 40 of the Code of Federal Regulations
ACBM	Asbestos Containing Building Material
AHERA	Asbestos Hazard Emergency Response Act
ATL	Advanced Technology Laboratories
Basin Plan	Water Quality Control Plan for the San Francisco Bay Basin
Caltrans	California Department of Transportation
CCR	California Code of Regulations
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
Geocon	Geocon Environmental Consultants, Inc.
HB&T	HB&T Environmental, Inc.
I-80	Interstate 80
MCL	Maximum Contaminant Level
$\mu g/m^3$	Micrograms per cubic meter
mg/cm^2	Milligrams per square centimeter
mg/kg	Milligrams per Kilogram
mg/l	Milligrams per Liter
ppt	Parts per Thousand
QA/QC	Quality Assurance/Quality Control
RCRA	Resource, Conservation, and Recovery Act
SFOBB	San Francisco-Oakland Bay Bridge
STLC	Soluble Threshold Limit Concentration
SVOCs	Semi-volatile Organic Compounds
TCLP	Toxicity Characteristics Leaching Procedure
TO	Task Order
TPHd	Total Petroleum Hydrocarbons as diesel
TPHg	Total Petroleum Hydrocarbons as gasoline
TSI	Thermal System Insulation
TTLC	Total Threshold Limit Concentration
USCS	Unified Soil Classification System
VOCs	Volatile Organic Compounds
WET	Waste Extraction Test
WQOs	Water Quality Objectives
XRF	X-ray Florescence

EXECUTIVE SUMMARY

In accordance with California Department of Transportation (Caltrans) Contract No. 43Y097 and Task Order No. 04-002971-DU, Geocon Environmental Consultants, Inc. (Geocon) has performed environmental engineering services for the San Francisco – Oakland Bay Bridge (SFOBB) Gateway Project. The areas investigated included the Toll Operations Building, the Maintenance Garage/Storage Building, and an undeveloped western portion of the median. The existing east span of the SFOBB is scheduled for replacement and proposed construction activities include a new toll operations building in the SFOBB Toll Plaza median area and demolition of the existing buildings.

The purpose of the investigation was to attempt to characterize soil and groundwater beneath the site and to confirm the presence or absence of asbestos containing building material (ACBM) and lead-based paint in the two on-site buildings. The investigative results will be used by Caltrans to evaluate health and safety issues, soil re-use issues, and appropriate soil and groundwater disposal measures.

Soil samples collected exhibited non-hazardous concentrations of Title 22 metals (with the exception of three soil samples collected from the undeveloped median area that exhibited soluble lead concentrations greater than the Soluble Threshold Limit Concentration [STLC]); total petroleum hydrocarbons as diesel (TPHd) concentrations ranging from less than 1.0 mg/kg to 909 mg/kg; and slightly alkaline pH levels. Total petroleum hydrocarbons as gasoline (TPHg), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) were not detected above laboratory-reporting limit.

Groundwater samples collected from eight of the soil probes exhibited relatively low concentrations of TPHd, and concentrations of dissolved antimony, chromium, and lead that exceeded Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) water quality objectives (WQOs) or maximum contaminant level (MCL) thresholds. Groundwater pH ranged from 6.74 to 8.87. TPHg, VOCs, and SVOCs were not detected in the groundwater samples.

The presence of elevated soluble lead levels in surficial soil within the undeveloped median area will likely require the management, treatment and/or disposal of surficial soil generated from excavations during the construction activities as a California-hazardous waste in accordance with the Department of Toxic Substances Control (DTSC) variance.

Based on groundwater analytical data, extracted groundwater may require treatment for elevated metal and/or TPHd concentrations. Geocon recommends that engineering controls be utilized to minimize the volume of extracted groundwater.

The asbestos survey results confirmed the presence of ACBM in 50 of the 171 bulk samples collected. However, the analytical laboratory data showed that only one sample from each of the buildings surveyed contained friable asbestos. Friable asbestos was reported in a small debris pile at the west end of the maintenance building on the top of an air duct in a hallway attic and on the roof of the toll operations building in the thermal system insulation (TSI) located on Chill Waterpump No. 1.

It is recommended that Caltrans obtain a licensed asbestos removal contractor to appropriately remove and dispose of the friable asbestos in these areas. In addition, ACBM that is presently non-friable has the potential to become friable during demolition activities, and appropriate measures to mitigate and/or monitor during demolition should be implemented.

The lead-based paint inspection results indicated that lead-based paint, defined as paint or other surface coating that contains an amount of lead equal to, or greater than 1.0 milligram per cubic centimeter (mg/cm^2), is present throughout the toll operations building and the maintenance garage/storage building. According to the lead-based paint investigation report, detectable levels of lead require worker safety precautions until measurements of air-borne lead dust at the workers' breathing zone has been determined to be less than 50 micrograms per cubic meter ($\mu g/m^3$) for an 8-hour time-weighted-average.

It is recommended that if heavy equipment is used during the demolition of the two buildings, deteriorated lead-based paint should be removed or stabilized prior to the demolition activities. For more information, it is recommended that reference be made to DTSC Document No. 33, Revision No. 2, dated June 13, 1994 and CCR Section No. 60201.24.

SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Site Investigation Report presents the results of a limited subsurface soil and groundwater investigation, asbestos survey, and lead-based paint inspection performed in the median of Interstate 80 (I-80) adjacent to the San Francisco-Oakland Bay Bridge (SFOBB) Toll Plaza. The areas investigated included the toll operations building, the maintenance garage/storage building, and an undeveloped western portion of the median. This Site Investigation Report was prepared Geocon Environmental Consultants, Inc. (Geocon) under California Department of Transportation (Caltrans) Contract No. 43Y097 and Task Order (TO) No. 04-002971-DU.

1.1 Project Description and Proposed Improvements

The project site consists of the median area located between the eastbound and westbound lanes of I-80 adjacent to the SFOBB Toll Plaza located in Oakland, California. The median area currently contains parking areas, a toll operations building, a maintenance garage/storage building, and landscaped areas. The existing east span of the SFOBB is scheduled for replacement, and proposed construction activities include a new toll operations building in the SFOBB Toll Plaza median area, and demolition of the existing buildings. The project location is depicted on the attached Vicinity Map, Figure 1.

This site investigation was designed to characterize soil and groundwater that may be encountered during construction/demolition activities. The three areas that were investigated included the toll operations building, the maintenance garage/storage building, and the undeveloped western portion of the median. The areas are depicted on the Site Plan, Figure 2. Soil sampling, groundwater sampling, and a utility survey were performed in all three areas. The asbestos survey and lead-based paint inspection were performed at the toll operations building and maintenance garage/storage building.

1.2 Purpose

The purpose of the scope of work outlined in TO No. 04-002971-DU was to attempt to characterize soil and groundwater beneath the site and to confirm the presence or absence of asbestos containing building material (ACBM) and lead-based paint in the two on-site buildings. This work was accomplished through the advancement of direct-push soil probes, the collection of soil and groundwater samples, the performance of laboratory analyses, the performance of an asbestos survey, and the performance of a lead-based paint inspection. The investigative results will be used by Caltrans to evaluate health and safety issues; soil re-use issues, and appropriate soil and groundwater disposal measures.

2.0 BACKGROUND

The existing SFOBB was constructed in the mid-1930's. The east span of the SFOBB is scheduled for replacement as part of a significant statewide seismic retrofit effort by Caltrans. The existing median and associated structures are planned to undergo modifications as part of the overall SFOBB east span replacement project. According to Caltrans, improvements to the subject site were conceived prior to the SFOBB retrofit/replacement project. While proposed improvements to the subject site are not officially part of the retrofit work, the aesthetic look of the proposed buildings and area and the project schedules are being coordinated with the SFOBB retrofit project.

Potential contaminants of concern at the site include heavy metals, total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). The potential presence of ACBM and lead-based paint is also a potential concern for the toll operations and maintenance buildings that are scheduled for demolition.

2.1 Hazardous Waste Determination Criteria

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the *California Code of Regulations (CCR)*, Title 22, Division 4.5, Chapter 11, Article 3, §66261.24. Criteria to classify a waste as "Resource, Conservation, and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For a waste containing metals, the waste is classified as "California hazardous" when its: 1) total metal content exceeds the Total Threshold Limit Concentration (TTLC); or 2) soluble metal content exceeds the Soluble Threshold Limit Concentration (STLC) based on Waste Extraction Test (WET) analysis. A material is classified as "RCRA hazardous" when its soluble metal content exceeds the Federal Regulatory Level based on Toxicity Characteristic Leaching Procedure (TCLP) testing.

State and federal regulatory levels have also been established for select VOC and SVOCs. There are no readily available established regulatory criteria for the classification of wastes containing petroleum hydrocarbons.

The above regulatory criteria are based on toxicity. Wastes may also be classified as hazardous based on other criteria such as corrosivity and ignitability. However, for the purposes of this investigation, toxicity (i.e., concentration) is the primary factor considered for waste classification.

Waste that is classified as either "California hazardous" or "RCRA hazardous", requires management as a hazardous waste and disposal to an approved disposal facility.

3.0 SCOPE OF SERVICES

Geocon performed the following scope of services, which included site meetings, on-site fieldwork, laboratory analyses and preparation of this Site Investigation Report.

3.1 Pre-Field Activities

- Conducted a pre-work site visit on February 10, 1999 to locate and inspect the work areas and to mark the direct-push probe locations.
- Prepared a Health and Safety Plan, dated February 10, 1999, to provide guidelines on the use of personal protective equipment and health and safety procedures during the field activities.
- Obtained Caltrans encroachment permit No. 0498-NSV-2229 to perform the field activities within the state right-of-way. A copy of the permit is included in Appendix A.
- Obtained a County of Alameda Public Works Agency Drilling Permit dated February 17, 1999. A copy of the permit is included in Appendix A.
- Provided 48-hour notification to Underground Service Alert (Ticket No. 374514), reviewed available project utility plans, and retained the services of Detecht, a Caltrans-approved private underground utility locating subcontractor, to attempt to identify the locations of subsurface structures and utilities in proximity to the proposed soil boring locations.
- Retained the services of HB&T Environmental, Inc. (HB&T), a Caltrans-approved subcontractor located in Sacramento, California, to perform the asbestos survey and lead-based paint inspection.
- Retained the services of Vironex, a California-licensed (Lic. No. C57-705927) and Caltrans-approved subcontractor, to perform the direct-push sampling activities.
- Retained the services of Advanced Technology Laboratories (ATL), a California-licensed (ELAP No. 1838) and Caltrans-approved subcontractor, located in Signal Hill, California, to perform the analytical testing services.

3.2 Field Activities

The fieldwork for this project was performed under the direct supervision of Geocon's field supervisor and/or project manager.

Soil and groundwater investigation fieldwork began on February 18, 1998 with the performance of the underground utility location survey (utility survey). The utility survey was conducted in the vicinity of the proposed sampling locations and was completed in 8 hours.

Fifteen soil probes were advanced and sampled on February 22 and 23, 1999 at the locations shown on Figure 2. Six probes were advanced adjacent to the toll operations building (ADMIN1 through ADMIN6); six probes were advanced adjacent to the maintenance garage/storage building (MNTNC1 through MNTNC6); and three probes were advanced along the center of the undeveloped portion of the median near the western site boundary (MED1 through MED3). In addition four surficial soil samples were also collected from the undeveloped portion of the median (MED4 through MED7).

The soil probes advanced adjacent to the toll operations building and maintenance garage/storage building were advanced to depths of approximately 26 feet (7.9 meters) below the ground surface. Soil samples were collected at the soil surface and from depths of approximately 5, 10, 15, 20 and 25 feet (1.5, 3, 4.5, 6, and 7.5 meters) below the ground surface, with the exception of soil probes ADMIN2 and ADMIN4 where refusal was encountered at depths of approximately 3½ feet (1 meter) and 11 feet (3.4 meters), respectively. In addition, one sample could not be recovered from a depth of approximately 25 feet (7.5 meters) at probe MNTNC5.

The soil probes advanced along the center of the undeveloped portion of the median were advanced to depths of approximately 8 feet (2.4 meters) below the ground surface. Soil samples were collected from depths of approximately 2, 4, 6, and 8 feet (0.6, 1.2, 1.8, and 2.4 meters) below the ground surface with the exception of MED1 where a sample could not be recovered from a depth of approximately 8 feet (2.4 meters).

Direct-push soil samples were collected in plastic sleeves, labeled, capped, placed in a chilled cooler, and shipped to ATL via overnight courier for chemical analyses. Chain-of-custody documentation for each sample was established in the field and accompanied the shipment of the samples to the laboratory.

Groundwater samples were collected from ADMIN1, ADMIN3, ADMIN5, ADMIN6, MNTNC1, MNTNC3, MNTNC6, and MED2. The eight groundwater samples were collected with disposable flexible plastic tubing placed through the probe driving rod. Water was drawn through the plastic tubing using a peristaltic pump. The groundwater samples were transferred to appropriate laboratory-provided containers, capped, labeled, placed in a chilled cooler, and shipped to ATL via overnight courier for chemical analyses. Chain-of-custody documentation for each sample was established in the field and accompanied the shipment of the samples to the laboratory.

The direct-push probes were logged under the supervision of a Certified Engineering Geologist following the Unified Soil Classification System (USCS). The direct-push borings were backfilled with bentonite/cement slurry and capped with an asphalt patch, where appropriate.

Sampling equipment was cleaned between each soil boring location by washing the equipment with an Alconox solution followed by a double rinse with deionized water. Rinseate and soil waste generated during the sampling activities was stored on-site in three 10-gallon Department of Transportation (DOT)-approved drums. On March 26, 1999 Ecologix, Inc. removed the drums from the site for disposal in accordance with applicable local, state, and federal regulations.

The asbestos survey and lead-based paint inspection were performed within the toll operations building and the maintenance garage/storage building. The lead-based paint inspection was performed from March 11 to 16, 1999. The asbestos survey was performed on October 5 and 6, 1998. The building locations are depicted on Figure 2.

4.0 INVESTIGATIVE METHODS

The rationale and method of investigation for the soil probe advancement, sampling procedures and protocols, laboratory analyses, asbestos survey, and lead-based paint inspection are discussed below.

4.1 Soil Sampling

The TO provided by Caltrans specified the direct-push boring locations, the soil and groundwater sampling intervals, and the analytical program. Caltrans selected the boring locations in areas under consideration for future construction activities within the project boundaries.

The soil samples from the direct-push soil probes (ADMIN1 through ADMIN6, MNTNC1 through MNTNC6, and MED1 through MED3) were collected using a Geoprobe hydraulic sampling system. The direct-push soil sampling system consisted of a truck-mounted percussion hammer to drive a driving rod attached to an approximately one-meter-long by five-centimeter-diameter sample barrel equipped with a pre-cleaned plastic sleeve. As the sample barrel was pushed into freshly exposed soil, soil entered the sample tube. The sample barrel was then pulled from the ground and the sample tube was removed from the sample barrel. The sample tube was then cut into a section at the depth corresponding to the designated sample interval, sealed with Teflon sheets and plastic caps, labeled, placed in a cooler chilled with ice, and transported to ATL under standard chain-of-custody procedures. The direct-push borings were logged according to the USCS. Boring logs are included as Appendix B.

The surficial soil samples from locations MED4 through MED7 were collected utilizing a stainless-steel handauger. The soil samples were transferred from the handauger to 4-ounce glass jars, labeled, placed in a cooler chilled with ice and transported to ATL under standard chain-of-custody procedures.

4.2 Groundwater Sampling

Groundwater samples were collected from probes ADMIN1, ADMIN3, ADMIN5, ADMIN6, MNTNC1, MNTNC3, MNTNC6, and MED2. The groundwater samples were collected from the direct-push borings by advancing a hydropunch sampling apparatus attached to the end of the driving rod to approximately 2 feet (0.6 meter) below the water table. The sampler was then raised 2 feet (0.6 meters) to expose the screen and allow groundwater to infiltrate into the interior of the driving rod. The sample was drawn from within the driving rod using disposable flexible tubing attached to a peristaltic pump. The groundwater samples were transferred to laboratory-provided containers and preserved as appropriate. The sample containers were labeled, placed in a cooler chilled with ice, and transported to ATL under standard chain-of-custody procedures.

4.3 Laboratory Analyses

Soil and groundwater samples were submitted to the laboratory for the following analyses under standard 10-day turn-around-time:

- Title 22 metals following United States Environmental Protection Agency (EPA) Test Method 6010.
- VOCs following EPA Test Method 8260.
- SVOCs following EPA Test Method 8270.
- TPHg following EPA Test Method 8015.
- TPHd following modified EPA Test Method 8015.
- Soil and water pH following EPA Test Methods 9045 and 150.1, respectively.

In addition to the above analyses, soil samples that exhibited a total metal concentration greater than ten times a respective STLC value were subsequently analyzed for the appropriate soluble metal via the TCLP and/or WET.

Quality assurance/quality control (QA/QC) procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples, or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples, or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples, or type of matrix, whichever was more frequent, with the spike made at ten times the detection limit or at the analyte level.

Prior to submitting the soil and groundwater samples to the laboratory, the chain-of-custody documentation was reviewed for accuracy and completeness. The laboratory reports were also reviewed for accuracy and consistency with the chain-of-custody documentation. In addition, the laboratory QA/QC summary reports were reviewed to determine if the laboratory results are within tolerance control limits. Based upon this review process, the data quality appears to be adequate.

4.4 Asbestos Survey

The asbestos survey was performed by an Asbestos Hazard Emergency Response Act (AHERA) trained professional and included the identification and evaluation of suspect ACBM. The ACBM survey was performed for both the toll operations building and the maintenance garage/storage building and covered the accessible portions of the buildings interior and exterior. Suspect ACBM was grouped into homogeneous areas and a representative number of samples were collected from each area.

In addition, each ACBM was evaluated for condition (i.e., evidence of deterioration, physical damage, and water damage) friability, accessibility, and proximity to air plenum or direct airstream. Bulk samples were analyzed for the presence of asbestos in accordance with EPA Test Method 600/M4-82-020, polarized light microscopy.

4.5 Lead-Based Paint Inspection

The lead-based paint inspection was performed by two California Department of Health Services-certified lead inspectors/assessors. During the inspection, approximately 1,100 x-ray florescence (XRF) readings were taken of painted surfaces within the toll operations building and the maintenance garage/storage building. The XRF readings were taken using a Niton XL 309 Spectrum Analyzer with a 15-month-old, 10-millicurle, radioactive cadmium 109 source in conformance with protocol outlined in the *HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards*.

5.0 INVESTIGATION RESULTS AND FIELD OBSERVATIONS

The investigation results from the soil and groundwater sampling, asbestos survey, and lead-based paint inspection are discussed below along with observations made in the field.

5.1 Soil and Groundwater Probes

For the soil samples, a summary of the analytical laboratory test results for total and soluble Title 22 metals is presented as Table I. A summary of the analytical laboratory test results for VOCs, SVOCs, TPHg, TPHd, and pH is presented as Table II. Copies of the laboratory reports and chain-of-custody documentation for the soil samples are included in Appendix C

For the groundwater samples, a summary of the analytical laboratory test results for dissolved Title 22 metals is presented as Table III. A summary of the analytical laboratory test results for VOCs, SVOCs, TPHg, TPHd, and pH is presented as Table IV. Copies of the laboratory reports and chain-of-custody documentation for the groundwater samples are also included in Appendix C.

Asphalt/concrete pavement was present at all soil sampling location except MED1, MED2, and MED4 through MED7. Subsurface soil encountered generally consisted of fill material overlying recent Bay Mud deposits to the maximum explored depth of approximately 26 feet (7.9 meters) below the ground surface. The fill material was primarily comprised of dry to moist, fine to coarse sand with traces of gravel. Bay Mud deposits consisting of saturated, gray to black clay were encountered in most of the deeper borings at depths ranging from approximately 17 feet (5.2 meters) to the termination depth of approximately 26 feet (7.9 meters) below the ground surface.

Groundwater was encountered beneath the site at depths ranging from approximately 8 to 9 feet (2.4 to 2.7 meters) below the ground surface. The water samples collected for dissolved Title 22 metals analyses were filtered by the analytical laboratory upon receipt, prior to preservation.

5.1.1 Toll Operations Building - Soil Analytical Results

One soil sample exhibited a total lead concentration greater than ten times the STLC. This sample was subsequently analyzed for soluble lead via the WET and exhibited a soluble lead concentration of 1.1 milligrams per liter (mg/l), less than the STLC of 5.0 mg/l. Other Title 22 metals were not detected at total concentrations greater than their respective TTLC values or greater than ten times their respective STLC values.

TPHd concentrations ranged from less than 1.0 milligram per kilogram (mg/kg) to 664 mg/kg. While concentrations were reported as TPHd, the laboratory indicated that the samples exhibiting concentrations of TPHd contained either hydrocarbons of an unknown pattern or single peak hydrocarbons that did not match the diesel pattern. Quantitation was based on the diesel standard.

TPHg, VOCs, and SVOCs were not detected above respective method detection limits. Soil pH values ranged from 7.8 to 10.4, with a mean of 9.2.

5.1.2 Toll Operations Building – Groundwater Analytical Results

Groundwater samples were collected from four of the probes advanced adjacent to the toll operations building.

For dissolved metals, the most stringent primary or secondary maximum contaminant levels (MCLs) listed for either state or federal drinking water standards are presented in Table III. The groundwater samples collected from probes ADMIN1 and ADMIN3 exhibited dissolved antimony concentrations of 0.006 and 0.009 mg/l, respectively, that exceeded or equaled the listed MCL of 0.006 mg/l. No other dissolved metals were detected above their respective MCLs.

The Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan), adopted by the California Regional Water Quality Control Board - San Francisco Bay Region on June 21, 1995, is the master policy document governing water quality regulation in the San Francisco Bay region. Water Quality Objectives (WQOs) for surface waters containing toxic pollutants discharged to the Bay are presented in Section 3, Water Quality Objectives, of the Basin Plan. The objectives are divided into two categories, one for surface waters with salinities greater than 5 parts per thousand (ppt), presented in Table 3-3 of the Basin Plan, and one for surface waters with salinities less than 5 ppt, presented in Table 3-4 of the Basin Plan. Since the subject site is located adjacent to the San Francisco bay, it is assumed that the receiving waters for discharge from construction activities at the SFOBB Gateway Project would exceed a salinity of 5 ppt. The corresponding WQOs for dissolved metals in Table 3-3 of the Basin Plan are listed in Table III of this report. No dissolved metals were detected above the 4-day or 1-hour average WQOs.

VOCs, SVOCs, and TPHg were not detected in groundwater samples at concentrations greater than respective laboratory reporting limits. The groundwater sample collected from probe ADMIN6 exhibited a TPHd concentration of 0.2 mg/l. The laboratory indicated that this sample contained hydrocarbons that did not match the diesel pattern and suggested that the hydrocarbons were possibly motor oil. Other groundwater samples did not exhibit detectable concentrations of TPHd greater than the laboratory reporting limit of 0.05 mg/l. Groundwater samples exhibited pH values ranging from 6.74 to 8.46.

5.1.3 Maintenance Garage/Storage Building - Soil Analytical Results

Two soil samples exhibited total chromium concentrations greater than ten times its STLC. These samples were subsequently analyzed for soluble chromium via the WET and exhibited soluble chromium concentrations less than the STLC of 5.0 mg/l. Other total Title 22 metals were not detected at concentrations greater than their respective TTLC values or greater than ten times their respective STLC values.

TPHd concentrations ranged from less than 1.0 mg/kg to 909 mg/kg. While concentrations were reported as TPHd, the laboratory indicated that the samples exhibiting concentrations of TPHd contained either hydrocarbons of an unknown pattern or hydrocarbons that did not match the diesel pattern, possibly motor oil. Quantitation was based on the diesel standard.

TPHg, VOCs, and SVOCs were not detected above respective method detection limits. Soil pH values ranged from 8.6 to 9.9, with a mean of 9.2.

5.1.4 Maintenance Garage/Storage Building - Groundwater Analytical Results

Groundwater samples were collected from probes MNTNC1, MNTNC3, and MNTNC6 and exhibited dissolved antimony concentrations of 0.013, 0.009, and 0.14 mg/l, respectively, which exceed the listed MCL of 0.006 mg/l. In addition, the groundwater sample collected from probe MNTNC3 exhibited dissolved chromium, lead, and thallium concentrations of 0.087, 0.031, and 0.20 mg/l, respectively which exceeded the listed MCLs of 0.05, 0.015, and 0.002, respectively. No other dissolved metals were detected above their respective MCLs.

The groundwater sample collected from probe MNTNC6 exhibited a dissolved arsenic concentration of 0.048 mg/l that exceeded the 4-day average WQO of 0.036 mg/l. The groundwater sample collected from probe MNTNC3 exhibited dissolved chromium and lead concentrations of 0.087 and 0.031 mg/l, respectively that exceeded the 4-day average WQOs of 0.05 and 0.0056 mg/l, respectively. Other dissolved metals were not detected above the listed WQOs.

VOCs, SVOCs, and TPHg were not detected in groundwater samples at concentrations greater than respective laboratory reporting limits. The groundwater sample collected from probe MNTNC3 exhibited a TPHd concentration of 0.7 mg/l. The laboratory indicated that this sample contained hydrocarbons that did not match the diesel pattern and suggested that the hydrocarbons were possibly motor oil. Other groundwater samples did not exhibit detectable concentrations of TPHd greater than the laboratory reporting limit of 0.05 mg/l. The groundwater samples exhibited pH values ranging from 7.44 to 8.87.

5.1.5 Undeveloped Median Area – Soil Analytical Results

Two soil samples collected from the ground surface and one soil sample collected from a depth of approximately 2 feet (0.6 meter) below the ground surface exhibited total lead concentrations greater than ten times its STLC. These samples were subsequently analyzed for soluble lead via the WET and exhibited soluble lead concentrations greater than the STLC of 5.0 mg/l. These three soil samples were further analyzed for soluble lead via the TCLP and exhibited soluble lead concentrations less than the regulatory threshold of 5 mg/l. Other total Title 22 metals were not detected at concentrations greater than the respective TTLC values or greater than ten times the respective STLC values.

TPHd concentrations ranged from less than 1.0 mg/kg to 118 mg/kg. While concentrations were reported as TPHd, the laboratory indicated that the samples exhibiting concentrations of TPHd contained hydrocarbons of an unknown pattern, hydrocarbons that did not match the diesel pattern, possibly motor oil or weathered diesel, or hydrocarbons heavier than diesel, possible motor oil. Quantitation was based on the diesel standard.

TPHg, VOCs, and SVOCs were not detected above respective method detection limits. Soil pH values ranged from 7.3 to 9.6, with a mean of 8.5.

5.1.6 Undeveloped Median Area – Groundwater Analytical Results

A groundwater sample was collected from probe MED2 at a depth of approximately 10 feet (3 meters) below the ground surface and exhibited a dissolved antimony concentration of 0.019 mg/l that exceeded the listed MCL of 0.006 mg/l. Other dissolved metals were not detected at concentrations above their respective MCLs or listed WQOs.

VOCs, SVOCs, TPHg, and TPHd were not detected in the groundwater sample at concentrations greater than respective laboratory reporting limits. The groundwater sample exhibited a pH value of 7.04.

5.2 Asbestos Survey

The asbestos survey was performed by HB&T, and included assessment of the interiors and exteriors of both the maintenance garage/storage building and the toll operations building. HB&T's Asbestos Survey Report is presented in Appendix D and summarized below.

One-hundred-seventy-one bulk samples were analyzed during the survey. Ninety bulk samples were collected from the toll operations building, and 81 bulk samples were collected from the maintenance building. Of the 171 bulk ACBM samples collected from the two buildings, the laboratory analyses indicated the presence of asbestos in 50 of the 171 samples. Only one sample from each building was

noted as containing friable asbestos. Friable asbestos is defined as asbestos that is capable of being crushed to dust with normal hand pressure. The ACBMs noted during the survey included: thermal system insulation (TSI); floor tile and mastic; coated corrugated metal siding; silver and black roofing materials; and duct expansion joint cloth.

The general extent of ACBM identified in the first and second floors of the warehouse garage/storage building is shown on Figure 3. As shown on Figure 3, ACBM identified on the first floor of the warehouse garage/storage building included floor tile and associated mastic, TSI, and duct expansion joint cloth. The coated corrugated metal siding on the building exterior was also noted to be an ACBM. ACBM was noted in the floor tile and associated mastic on the second floor and the tower above the second floor. Friable asbestos was noted in an approximate 0.61 square meter debris pile accumulated on the top of an air duct at the west end of the warehouse garage/storage building hallway attic. Friable asbestos was not observed at other locations in the maintenance garage/storage building. Volume estimates for each ACBM identified in the warehouse garage/storage building are included in HB&T's report presented in Appendix D.

The general extent of ACBM identified for the toll operations building interior and roof areas is shown on Figures 4 and 5, respectively. As shown on Figure 4, ACBM identified on the first and second floors of the toll operations building are limited to floor tile and associated mastic. TSI was identified only in the substation office located in the toll operations building basement. The silver and black roofing material was also noted to be an ACBM (Figure 5), and the TSI in one small area of the roof was noted to be an ACBM. The roofing TSI is located on Chill Waterpump No.1, and was noted to be friable and in poor condition. The amount of this material is estimated at approximately one linear meter. Friable asbestos was not noted at other locations in the toll operations building. Volume estimates for each ACBM identified in the toll operations building are included in HB&T's report presented in Appendix D.

5.3 Lead-Based Paint Inspection

The lead-based paint inspection was performed by HB&T. Approximately 1,100 XRF readings were obtained within the toll operations building and the maintenance garage/storage building. Portions of the buildings not accessible during the inspection are noted with an "NA" on the figures included at the end of the HB&T report presented as Appendix E.

According to the lead-based inspection report, lead-based paint is defined as paint or other surface coating that contains an amount of lead equal to, or in excess of, 1 milligram per square centimeter (mg/cm^2) or more than half of one percent (0.5%) by weight. Positive lead-based paint (i.e., > 1.0 mg/cm^2) was detected throughout both of the buildings surveyed.

The lead-based paint inspection report indicated that older portions of the toll operations building and maintenance garage/storage building contained lead-based paint at concentrations greater than 5.0 mg/cm^2. HB&T indicated that the XRF instrument's maximum reporting limit is 5.09 mg/cm^2. Since readings of 5.09 mg/cm^2 were reported within each building, concentrations greater than 5.09 mg/cm^2 are likely. A summary of the locations and condition of materials where lead-based paint was detected at concentrations greater than 5.0 mg/cm^2 is presented in Table V.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The soil samples collected from the 12 probes advanced adjacent to the toll operations building and the maintenance garage/storage building did not exhibit total or soluble metal concentrations greater than federal or state thresholds. The maximum TPHd concentration for soil was reported at 909 mg/kg. Soil pH values were generally alkaline and ranged from 7.8 to 10.4. TPHg, VOCs, and SVOCs were not detected at concentrations greater than the respective laboratory reporting limits.

The soil samples collected from the three probes and four surface locations in the undeveloped center median portion of the site did not exhibit total or soluble metal concentrations greater than federal or state thresholds, with the exception of two surficial soil samples and one soil sample collected from a depth of approximately 2 feet (0.6 meter) below the ground surface that exhibited soluble lead concentrations greater than the STLC. The source of these elevated lead concentrations is likely aerially deposited lead due to historical leaded-gas-powered vehicle emissions. TPHd was detected at a maximum concentration of 118 mg/kg. Soil pH was slightly alkaline and ranged from 7.3 to 9.6. TPHg, VOCs, and SVOCs were not detected at concentrations greater than the respective laboratory reporting limits.

The presence of elevated soluble lead levels in surficial soil within the undeveloped median area will likely require the management, treatment and/or disposal of surficial soil generated from excavations during the construction activities as a California-hazardous waste in accordance with the DTSC variance.

The alkaline condition of the on-site soil is likely due to elevated salinity of groundwater beneath the site. While the laboratory did not measure the salinity of the groundwater beneath the site, elevated salinity would be expected due to the site's proximity to the San Francisco Bay. According to a representative with Vasco Road Sanitary Landfill, landfills typically accept soil with pH values between 2 and 12 as non-hazardous waste.

The analyzed groundwater samples exhibited relatively low concentrations of TPHd, and concentrations of dissolved antimony, chromium, and lead that exceeded Basin Plan WQOs or MCL thresholds. Groundwater pH ranged from 6.74 to 8.87. TPHg, VOCs, and SVOCs were not detected in the groundwater samples.

Based on groundwater analytical data, extracted groundwater may require treatment for elevated metal and/or TPHd concentrations. Geocon recommends that engineering controls be utilized to minimize the volume of extracted groundwater.

If dewatering is to be conducted during construction activities, then it is recommended that confirmation sampling of groundwater from the excavation be performed before dewatering operations commence. If elevated results are confirmed, then the discharge must be managed such that it will conform to Basin Plan WQOs.

The asbestos survey results confirmed the presence of ACBM in 50 of the 171 bulk samples collected. However, only two samples were noted as friable asbestos. Friable asbestos was reported in a small debris pile at the west end of the maintenance building on the top of an air duct in a hallway attic and on the roof of the toll operations building in the TSI located on Chill Waterpump No. 1.

It is recommended that Caltrans obtain a licensed asbestos removal contractor to appropriately remove and dispose of the friable asbestos in these areas. In addition, ACBM that are presently non-friable have the potential to become friable during demolition activities, and appropriate measures to mitigate and/or monitor during demolition should be implemented.

The lead-based paint inspection results indicated that lead-based paint, defined as paint or other surface coating that contains an amount of lead equal to, or greater than 1.0 mg/cm^2, is present throughout the toll operations building and the maintenance garage/storage building. According to the report prepared by HB&T, detectable levels of lead require worker safety precautions until measurements of air-borne lead dust at the workers' breathing zone has been determined to be less than 50 micrograms per cubic meter ($\mu g/m^3$) for an 8-hour time-weighted-average.

It is recommended that if heavy equipment is used during the demolition of the two buildings, deteriorated lead-based paint should be removed or stabilized prior to the demolition activities. For more information, it is recommended that reference be made to Department of Toxic Substances Control (DTSC) document No. 33, revision No. 2, dated June 13, 1994 and CCR Section No. 60201.24.

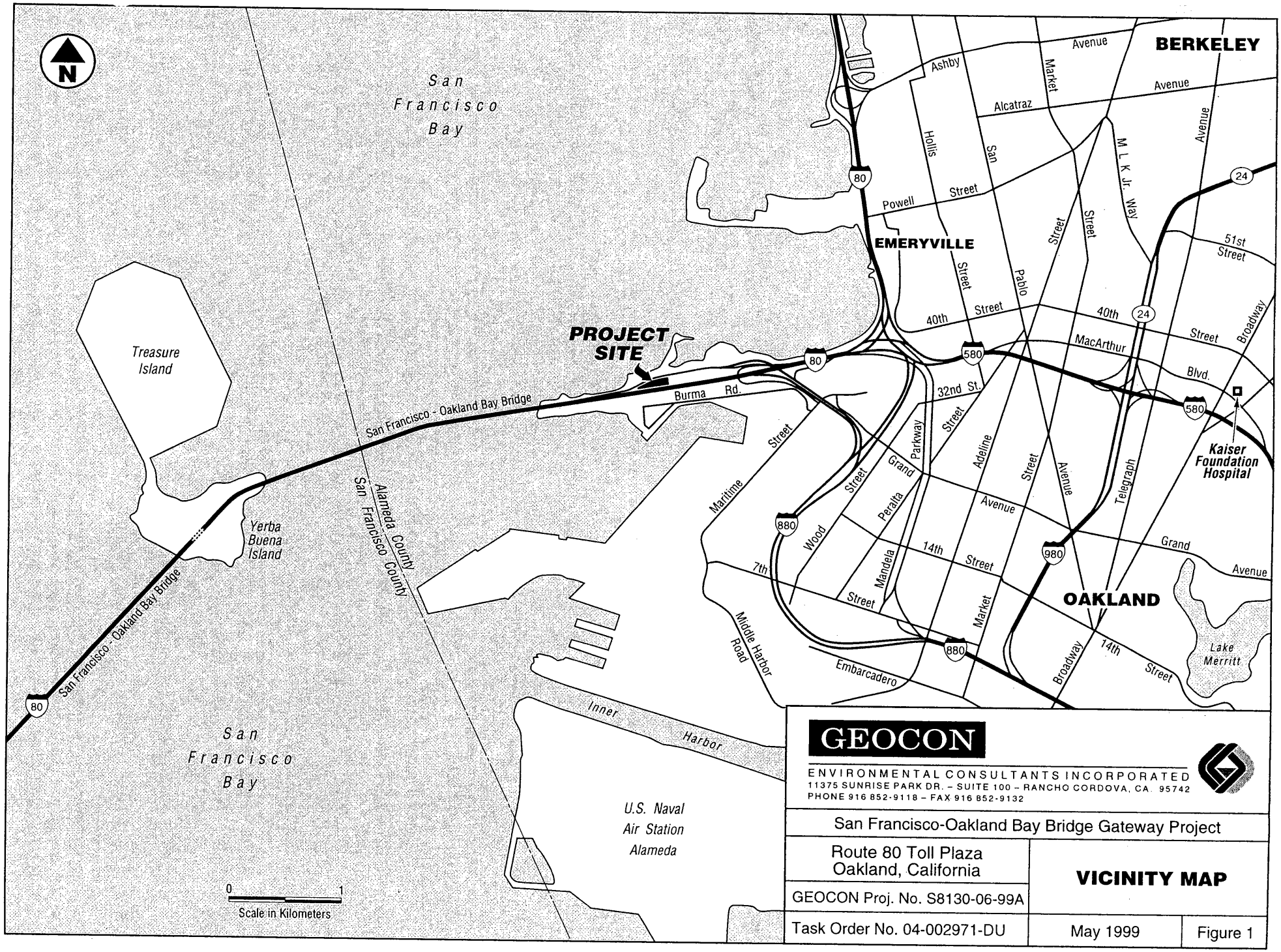
The excavation contractor(s) should prepare a comprehensive health and safety plan for construction activities scheduled to occur within the project boundaries defined in this Site Investigation Report which includes a discussion of the constituents of concern, routes of exposure, permissible exposure limits, and personal protective measures. The health and safety plan should be reviewed and signed by the on-site construction workers prior to any field activities.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The County of Alameda Public Works Agency and/or other regulatory agencies may require additional soil and/or groundwater sampling. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence or consultation either expressed or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



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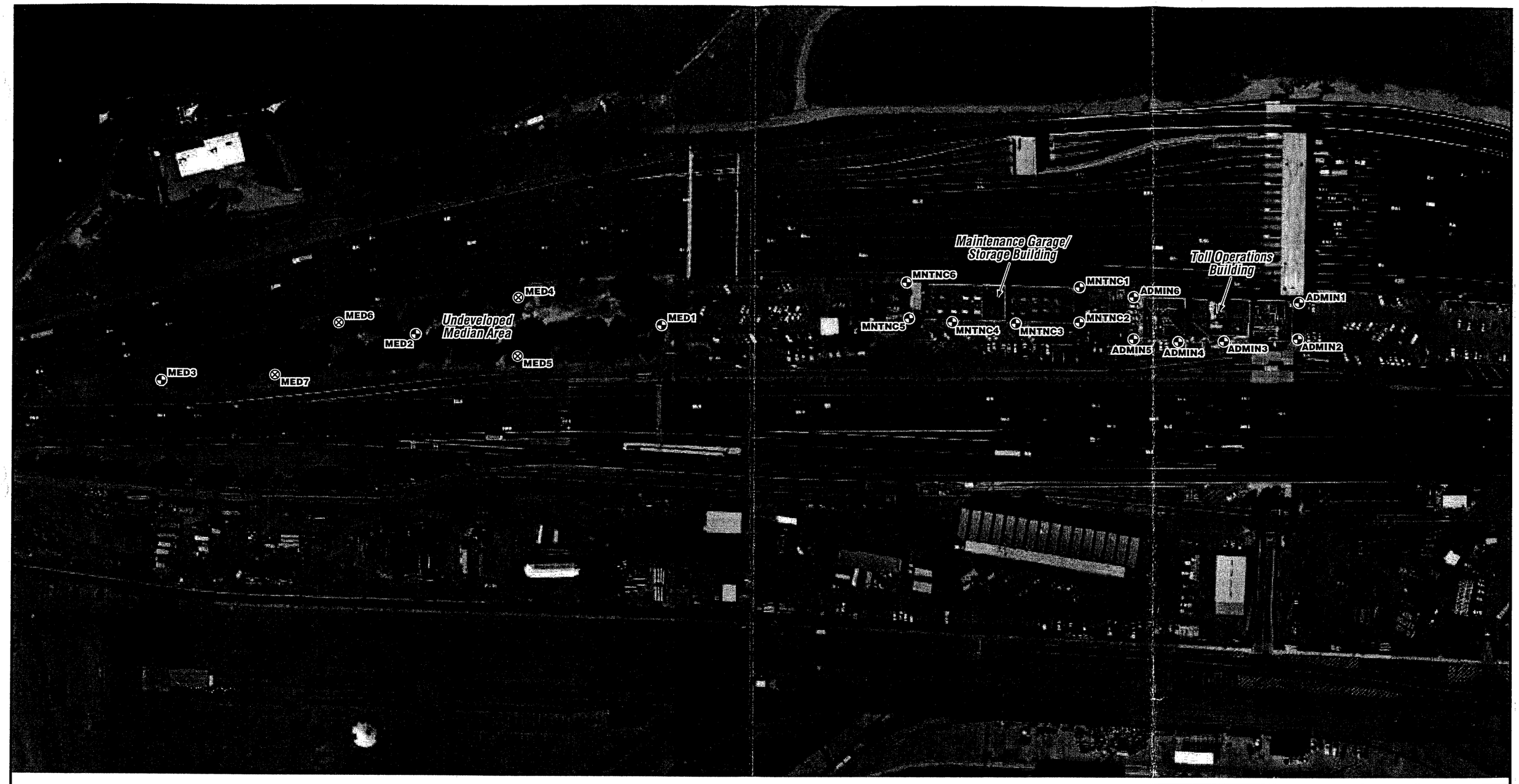
San Francisco-Oakland Bay Bridge Gateway Project

Route 80 Toll Plaza Oakland, California	**VICINITY MAP**	
GEOCON Proj. No. S8130-06-99A		
Task Order No. 04-002971-DU	May 1999	Figure 1



LEGEND:

- ◒ Approximate Probe Location
- ⊗ Approximate Surface Sample Location

N

SCALE: 1 : 2,000

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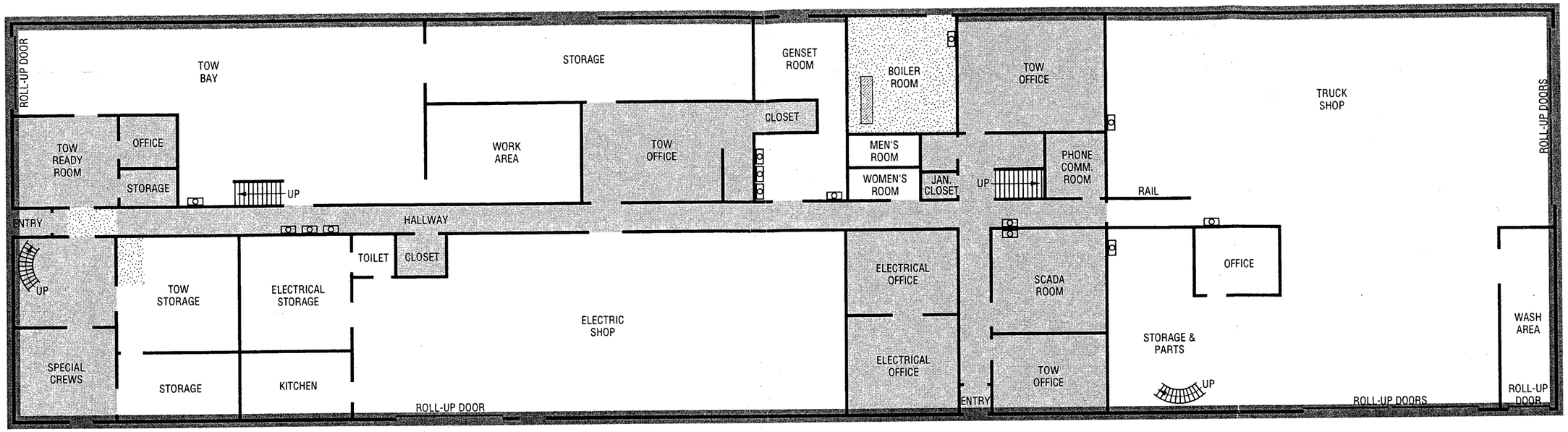
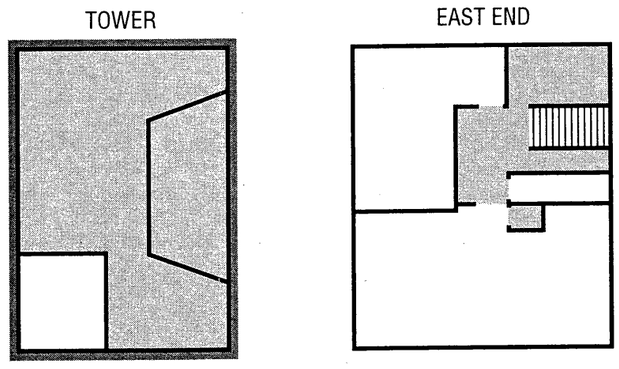
San Francisco-Oakland Bay Bridge Gateway Project

Route 80 Toll Plaza Oakland, California	**SITE PLAN**	
GEOCON Proj. No. S8130-06-99A		
Task Order No. 04-002971-DU	May 1999	Figure 2



FIRST FLOOR

SECOND FLOOR



LEGEND:

- Floor Tile and Mastic
- Thermal System Insulation (TSI)
- Coated Corrugated Metal Siding
- Duct Expansion Jointcloth

NOT TO SCALE

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San Francisco-Oakland Bay Bridge Gateway Project

Route 80 Toll Plaza
Oakland, California

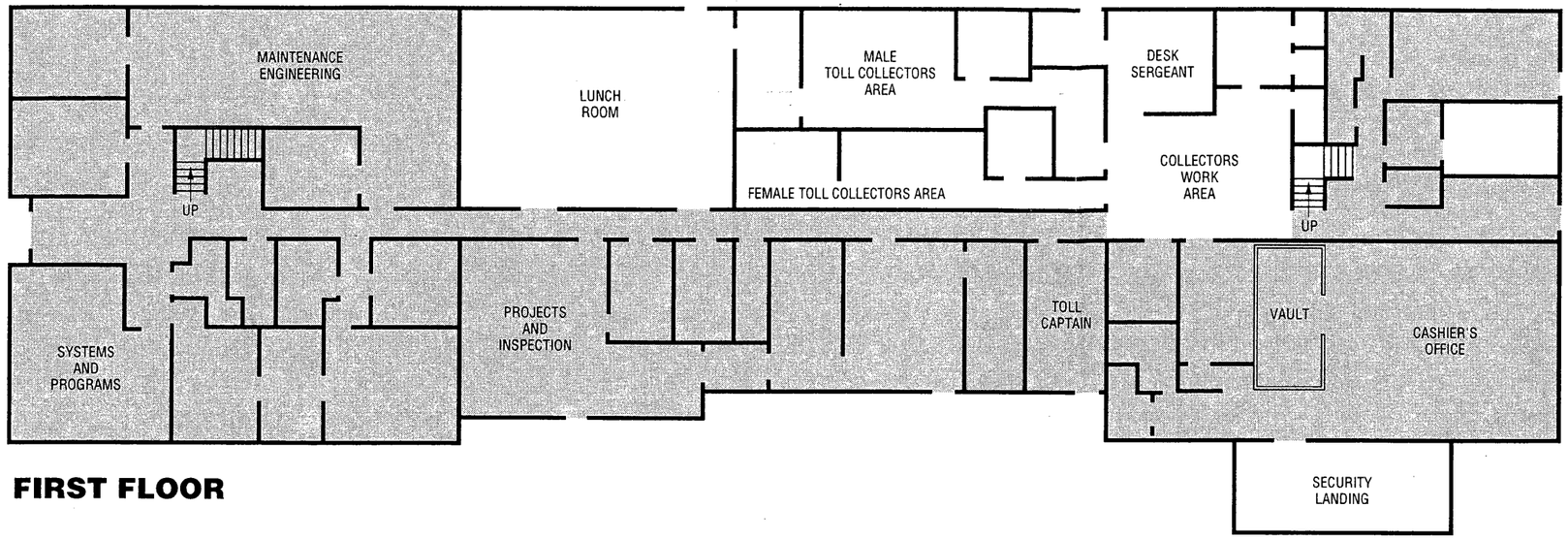
ACBM MAP
MAINTENANCE GARAGE/ STORAGE BUILDING

GEOCON Proj. No. S8130-06-99A

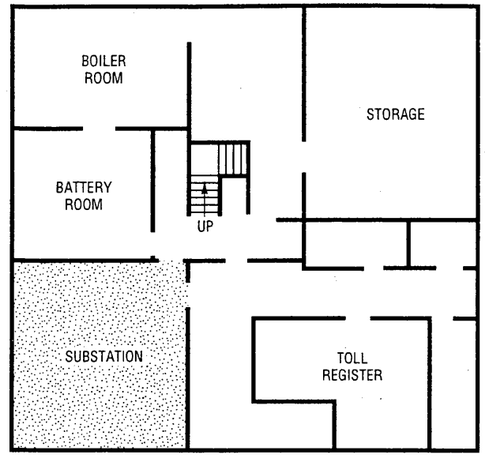
Task Order No. 04-002971-DU

May 1999

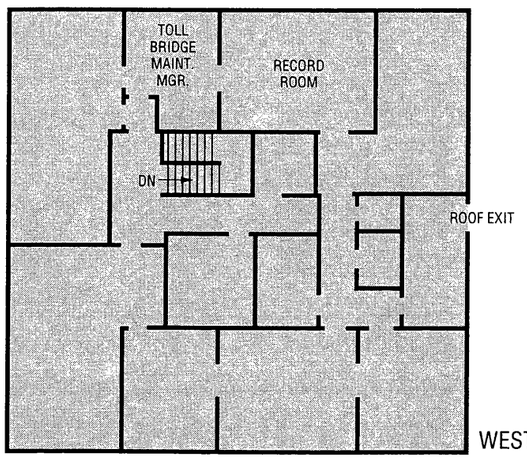
Figure 3



FIRST FLOOR

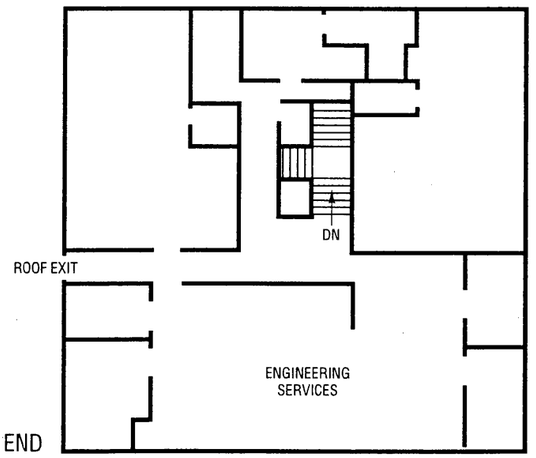


BASEMENT
EAST END



WEST END

SECOND FLOOR



EAST END

LEGEND:

- Floor Tile and Mastic
- Thermal System Insulation (TSI)

NOT TO SCALE

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San Francisco-Oakland Bay Bridge Gateway Project

Route 80 Toll Plaza
Oakland, California

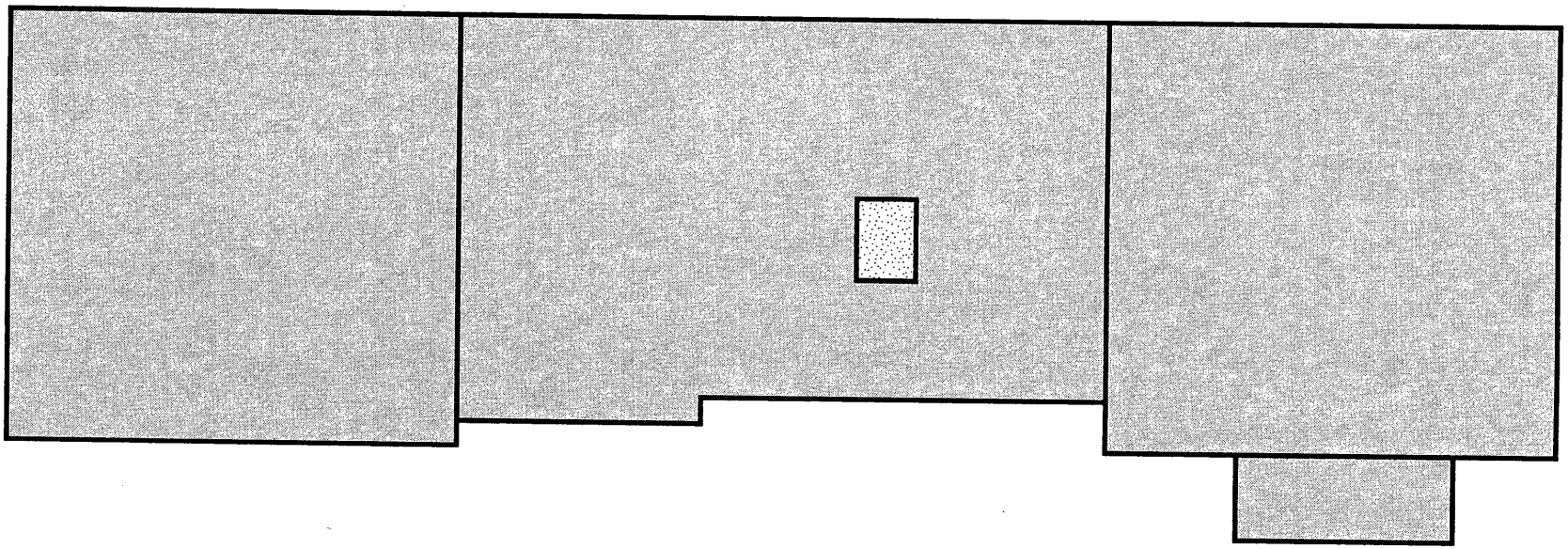
ACBM MAP
TOLL OPERATIONS BUILDING - BASEMENT, FIRST & SECOND FLOOR

GEOCON Proj. No. S8130-06-99A

Task Order No. 04-002971-DU

May 1999

Figure 4



LEGEND:

- Silver and Black Roofing Material
- Thermal System Insulation (TSI)

NOT TO SCALE

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San Francisco-Oakland Bay Bridge Gateway Project

Route 80 Toll Plaza
Oakland, California

ACBM MAP
TOLL OPERATIONS BUILDING - ROOF

GEOCON Proj. No. S8130-06-99A

Task Order No. 04-002971-DU

May 1999

Figure 5

LE I

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

		SAMPLE I.D.	ADMIN1-0	ADMIN1-5	ADMIN1-10	ADMIN1-15	ADMIN1-25	ADMIN2-0
ANALYTE	TTLC	10x STLC						
Antimony	500	150	0.71	0.82	0.48	0.30	0.51	1.3
Arsenic	500	50	4.2	4.5	2.8	2.0	3.4	6.7
Barium	10000	1000	85	87	23	12	47	101
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	14	20	16	13	21	28
Cobalt	8000	800	4.2	4.3	2.9	2.3	4.3	7.1
Copper	2500	250	16	12	5.5	3.2	8.9	42
Lead	1000	50	3.4	4.5	1.5	0.74	3.2	244
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	1.6	1.6	< 0.25	< 0.25	0.50	1.4
Nickel	2000	200	38	30	18	16	26	48
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	9.3	15	10	8.1	13	19
Zinc	5000	2500	15	22	13	9.1	20	66

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

- Sample depth in feet below grade
- Boring number

SOLUBLE METALS

	SAMPLE I.D.	ADMIN1-0	ADMIN1-5	ADMIN1-10	ADMIN1-15	ADMIN1-25	ADMIN2-0
ANALYTE	STLC/Federal threshold						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	1.1

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

TABLE I

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

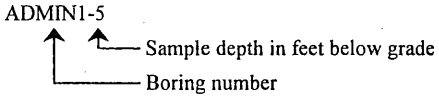
TOTAL METALS

		SAMPLE I.D.	ADMIN3-0	ADMIN3-5	ADMIN3-10	ADMIN3-15	ADMIN3-20	ADMIN3-25	ADMIN4-0	ADMIN4-5	ADMIN4-10
ANALYTE	TTLC	10x STLC									
Antimony	500	150	0.60	0.43	0.71	0.48	< 0.25	< 0.25	0.54	< 0.25	0.26
Arsenic	500	50	2.6	2.6	6.2	8.4	1.4	2.3	4.7	2.1	2.9
Barium	10000	1000	45	16	95	79	12	20	318	31	42
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	0.059	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	3.3	13	27	27	10	15	14	13	19
Cobalt	8000	800	4.0	2.5	6.1	5.9	2.2	3.1	12	2.4	3.8
Copper	2500	250	7.6	4.0	17	18	2.9	3.2	39	3.6	5.4
Lead	1000	50	2.3	1.1	4.3	5.9	1.7	1.7	14	1.3	3.0
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	0.57	< 0.25	0.89	0.69	< 0.25	< 0.25	3.5	0.27	0.43
Nickel	2000	200	2.4	16	42	42	14	19	19	15	23
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.74	< 0.25	< 0.25
Vanadium	2400	240	16	8.6	19	18	6.7	9.5	48	7.8	12
Zinc	5000	2500	20	10	39	38	14	23	41	13	18

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit



SOLUBLE METALS

		SAMPLE I.D.	ADMIN3-0	ADMIN3-5	ADMIN3-10	ADMIN3-15	ADMIN3-20	ADMIN3-25	ADMIN4-0	ADMIN4-5	ADMIN4-10
ANALYTE	STLC/Federal threshold										
Chromium	5		---	---	---	---	---	---	---	---	---
Lead	5		---	---	---	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

...BLE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

	SAMPLE I.D.		ADMIN3-0	ADMIN3-5	ADMIN3-10	ADMIN3-15	ADMIN3-20	ADMIN3-25	ADMIN4-0	ADMIN4-5	ADMIN4-10
ANALYTE	TTLC	10x STLC									
Antimony	500	150	0.60	0.43	0.71	0.48	< 0.25	< 0.25	0.54	< 0.25	0.26
Arsenic	500	50	2.6	2.6	6.2	8.4	1.4	2.3	4.7	2.1	2.9
Barium	10000	1000	45	16	95	79	12	20	318	31	42
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	0.059	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	3.3	13	27	27	10	15	14	13	19
Cobalt	8000	800	4.0	2.5	6.1	5.9	2.2	3.1	12	2.4	3.8
Copper	2500	250	7.6	4.0	17	18	2.9	3.2	39	3.6	5.4
Lead	1000	50	2.3	1.1	4.3	5.9	1.7	1.7	14	1.3	3.0
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	0.57	< 0.25	0.89	0.69	< 0.25	< 0.25	3.5	0.27	0.43
Nickel	2000	200	2.4	16	42	42	14	19	19	15	23
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.74	< 0.25	< 0.25
Vanadium	2400	240	16	8.6	19	18	6.7	9.5	48	7.8	12
Zinc	5000	2500	20	10	39	38	14	23	41	13	18

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

↑ Boring number

↑ Sample depth in feet below grade

SOLUBLE METALS

	SAMPLE I.D.	ADMIN3-0	ADMIN3-5	ADMIN3-10	ADMIN3-15	ADMIN3-20	ADMIN3-25	ADMIN4-0	ADMIN4-5	ADMIN4-10
ANALYTE	STLC/Federal threshold									
Chromium	5	---	---	---	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

TABLE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

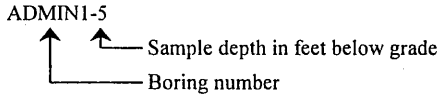
TOTAL METALS

		SAMPLE I.D.	ADMIN5-0	ADMIN5-5	ADMIN5-10	ADMIN5-15	ADMIN5-20	ADMIN5-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	< 0.25	0.26	< 0.25	< 0.25	< 0.25	0.48
Arsenic	500	50	1.5	5.9	8.3	3.6	1.9	1.8
Barium	10000	1000	15	55	110	32	17	18
Beryllium	75	7.5	< 0.050	< 0.050	0.066	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	12	16	29	22	12	11
Cobalt	8000	800	2.4	3.2	6.8	4.8	2.5	2.6
Copper	2500	250	3.1	12	18	6.2	2.3	2.3
Lead	1000	50	1.8	49	9.8	2.9	1.5	0.91
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	< 0.25	0.99	0.90	0.50	< 0.25	< 0.25
Nickel	2000	200	18	20	41	26	15	14
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	7.9	11	19	16	7.5	7.2
Zinc	5000	2500	25	52	53	23	13	9.5

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit



SOLUBLE METALS

		SAMPLE I.D.	ADMIN5-0	ADMIN5-5	ADMIN5-10	ADMIN5-15	ADMIN5-20	ADMIN5-25
ANALYTE	**STLC/Federal threshold**							
Chromium	5		---	---	---	---	---	---
Lead	5		---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

LE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

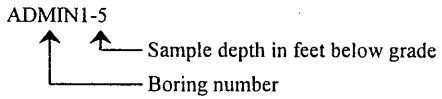
TOTAL METALS

		SAMPLE I.D.	ADMIN6-0	ADMIN6-5	ADMIN6-10	ADMIN6-15	ADMIN6-20	ADMIN6-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	1.2	0.69	0.72	0.77	0.47	0.56
Arsenic	500	50	7.9	2.1	1.8	6.7	1.7	2.5
Barium	10000	1000	63	15	9.7	51	16	24
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	15	23	15	32	16	16
Cobalt	8000	800	13	3.3	2.4	5.3	2.3	2.8
Copper	2500	250	103	3.9	2.8	18	2.6	2.9
Lead	1000	50	1.0	2.5	0.89	18	0.60	2.6
Mercury	20	2	0.31	< 0.10	< 0.10	0.19	< 0.10	< 0.10
Molybdenum	3500	3500	2.5	< 0.25	< 0.25	0.79	< 0.25	< 0.25
Nickel	2000	200	8.3	28	17	31	17	16
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	0.18	< 0.050	< 0.050
Thallium	700	70	0.33	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	78	13	8.8	23	9.8	10
Zinc	5000	2500	79	18	9.1	50	10	11

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit



SOLUBLE METALS

	SAMPLE I.D.	ADMIN6-0	ADMIN6-5	ADMIN6-10	ADMIN6-15	ADMIN6-20	ADMIN6-25
ANALYTE	**STLC/Federal threshold**						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

TABLE I

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

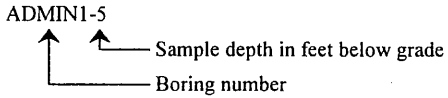
TOTAL METALS

	SAMPLE I.D.		MNTNC1-0	MNTNC1-5	MNTNC1-10	MNTNC1-15	MNTNC1-20	MNTNC1-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	0.85	0.74	0.64	0.61	0.47	0.85
Arsenic	500	50	3.5	2.4	3.0	1.3	1.8	9.2
Barium	10000	1000	33	26	40	8.6	25	33
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.16
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	17	13	37	13	20	44
Cobalt	8000	800	5.9	4.2	5.3	2.6	3.2	7.0
Copper	2500	250	7.4	5.1	5.3	2.8	3.7	27
Lead	1000	50	12	6.6	2.3	1.0	1.6	21
Mercury	20	2	< 0.10	< 0.10	< 0.10	0.20	< 0.10	0.25
Molybdenum	3500	3500	1.0	0.69	0.68	< 0.25	< 0.25	1.4
Nickel	2000	200	21	16	42	18	22	38
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.15
Thallium	700	70	< 0.25	0.26	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	28	15	21	9.0	12	39
Zinc	5000	2500	34	31	18	8.4	12	64

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit



SOLUBLE METALS

	SAMPLE I.D.	MNTNC1-0	MNTNC1-5	MNTNC1-10	MNTNC1-15	MNTNC1-20	MNTNC1-25
ANALYTE	**STLC/Federal threshold**						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

LE I

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

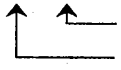
		SAMPLE I.D.	MNTNC2-0	MNTNC2-5	MNTNC2-10	MNTNC2-15	MNTNC2-20	MNTNC2-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	0.41	0.43	0.29	0.50	1.0	0.88
Arsenic	500	50	1.7	2.6	0.52	1.4	11	9.0
Barium	10000	1000	9.3	52	16	16	34	33
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	0.13	0.11
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	3.7	16	19	18	45	40
Cobalt	8000	800	3.8	4.8	3.0	3.0	8.1	6.2
Copper	2500	250	40	8.1	3.0	2.7	29	38
Lead	1000	50	18	5.2	2.1	0.90	25	38
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.68
Molybdenum	3500	3500	0.58	0.83	< 0.25	< 0.25	1.6	1.2
Nickel	2000	200	4.3	21	20	21	45	34
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	0.21	0.60
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	26	15	13	13	40	33
Zinc	5000	2500	16	25	11	12	70	93

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5



Sample depth in feet below grade

Boring number

SOLUBLE METALS

	SAMPLE I.D.	MNTNC2-0	MNTNC2-5	MNTNC2-10	MNTNC2-15	MNTNC2-20	MNTNC2-25
ANALYTE	**STLC/Federal threshold**						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

TABLE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

	SAMPLE I.D.		MNTNC3-0	MNTNC3-5	MNTNC3-10	MNTNC3-15	MNTNC3-20	MNTNC3-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	1.1	0.49	0.81	0.29	0.30	0.76
Arsenic	500	50	6.8	2.2	1.1	1.2	3.4	11
Barium	10000	1000	60	18	14	12	44	29
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.094
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	8.7	18	19	9.0	20	37
Cobalt	8000	800	11	3.3	3.1	2.0	5.2	5.6
Copper	2500	250	66	4.4	2.8	2.3	5.9	34
Lead	1000	50	0.60	2.9	1.6	1.4	2.4	37
Mercury	20	2	0.27	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	2.3	< 0.25	< 0.25	0.37	0.69	1.9
Nickel	2000	200	6.9	23	23	14	25	30
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.47
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	0.34	< 0.25
Vanadium	2400	240	70	12	12	6.1	14	30
Zinc	5000	2500	64	16	11	6.1	18	97

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

Sample depth in feet below grade

Boring number

SOLUBLE METALS

	SAMPLE I.D.	MNTNC3-0	MNTNC3-5	MNTNC3-10	MNTNC3-15	MNTNC3-20	MNTNC3-25
ANALYTE	**STLC/Federal threshold**						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

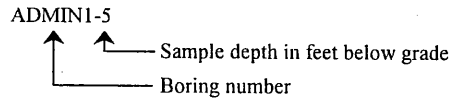
TOTAL METALS

	SAMPLE I.D.		MNTNC4-0	MNTNC4-5	MNTNC4-10	MNTNC4-15	MNTNC4-20	MNTNC4-25
ANALYTE	**TTLC**	**10x STLC**						
Antimony	500	150	0.75	1.1	0.61	0.43	0.33	0.98
Arsenic	500	50	5.6	3.4	1.2	0.86	2.1	10.0
Barium	10000	1000	52	64	15	14	22	43
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.089
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	6.6	79	18	14	16	50
Cobalt	8000	800	11	5.1	2.9	2.4	3.6	7.2
Copper	2500	250	55	11	2.8	2.7	3.9	45
Lead	1000	50	< 0.25	2.7	1.5	0.76	1.7	44
Mercury	20	2	0.37	0.15	< 0.10	< 0.10	< 0.10	0.63
Molybdenum	3500	3500	1.6	32	0.47	< 0.25	0.27	1.6
Nickel	2000	200	3.6	8.1	20	16	19	40
Selenium	100	10	0.53	0.75	< 0.25	< 0.25	< 0.25	0.43
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	1.00
Thallium	700	70	0.53	0.49	< 0.25	< 0.25	< 0.25	0.53
Vanadium	2400	240	57	31	12	9.1	11	36
Zinc	5000	2500	86	54	10	8.3	14	117

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit



SOLUBLE METALS

	SAMPLE I.D.	MNTNC4-0	MNTNC4-5	MNTNC4-10	MNTNC4-15	MNTNC4-20	MNTNC4-25
ANALYTE	**STLC/Federal threshold**						
Chromium	5	---	0.37	---	---	---	0.74
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

LE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

		SAMPLE I.D.	MNTNC5-0	MNTNC5-5	MNTNC5-10	MNTNC5-15	MNTNC5-20
ANALYTE	**TTLC**	**10x STLC**					
Antimony	500	150	0.44	0.36	< 0.25	< 0.25	0.50
Arsenic	500	50	6.1	1.4	1.3	1.4	1.8
Barium	10000	1000	51	8.7	16	21	12
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	17	15	12	16	14
Cobalt	8000	800	5.9	2.7	2.2	2.7	3.0
Copper	2500	250	11	2.7	2.7	2.8	2.8
Lead	1000	50	9.5	2.3	3.0	2.4	1.6
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	1.1	0.37	< 0.25	< 0.25	0.37
Nickel	2000	200	19	18	15	17	16
Selenium	100	10	0.52	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	26	10	8.7	9.0	8.8
Zinc	5000	2500	34	7.1	6.3	8.4	9.6

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

Sample depth in feet below grade

Boring number

SOLUBLE METALS

	SAMPLE I.D.	MNTNC5-0	MNTNC5-5	MNTNC5-10	MNTNC5-15	MNTNC5-20
ANALYTE	**STLC/Federal threshold**					
Chromium	5	---	---	---	---	---
Lead	5	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

	SAMPLE I.D.		MNTNC6-0	MNTNC6-5	MNTNC6-10	MNTNC6-15	MNTNC6-20	MNTNC6-25
ANALYTE	TTLC	10x STLC						
Antimony	500	150	0.84	< 0.25	< 0.25	< 0.25	< 0.25	0.27
Arsenic	500	50	7.6	2.2	1.8	2.8	3.8	0.79
Barium	10000	1000	74	19	15	25	20	13
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	18	21	20	14	17	14
Cobalt	8000	800	12	3.6	3.4	2.5	4.1	2.2
Copper	2500	250	59	3.3	3.0	2.7	4.7	2.8
Lead	1000	50	0.58	1.3	4.9	1.1	4.0	1.0
Mercury	20	2	0.20	< 0.10	0.44	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	2.1	0.28	0.66	0.27	< 0.25	< 0.25
Nickel	2000	200	7.2	25	23	15	17	13
Selenium	100	10	0.80	0.36	0.42	< 0.25	0.28	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	0.29	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	68	13	12	8.8	9.3	8.6
Zinc	5000	2500	69	9.9	9.0	7.1	13	6.6

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

Sample depth in feet below grade

Boring number

SOLUBLE METALS

	SAMPLE I.D.	MNTNC6-0	MNTNC6-5	MNTNC6-10	MNTNC6-15	MNTNC6-20	MNTNC6-25
ANALYTE	STLC/Federal threshold						
Chromium	5	---	---	---	---	---	---
Lead	5	---	---	---	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

TABLE I
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

		SAMPLE I.D.	MED1-2	MED1-4	MED1-6	MED2-2	MED2-4	MED2-6	MED2-8
ANALYTE	**TTLC**	**10x STLC**							
Antimony	500	150	0.46	0.38	0.57	0.49	0.53	0.59	0.50
Arsenic	500	50	2.4	1.7	1.7	2.1	2.3	2.6	1.8
Barium	10000	1000	11	12	9.5	38	27	59	19
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	0.13	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	18	18	12	9.7	14	12	26
Cobalt	8000	800	3.2	2.9	2.4	3.5	4.3	4.4	3.8
Copper	2500	250	4.0	3.2	2.4	13	7.4	7.4	3.6
Lead	1000	50	10	2.8	1.5	153	25	5.3	1.4
Mercury	20	2	< 0.10	< 0.10	< 0.10	0.33	< 0.10	< 0.10	< 0.10
Molybdenum	3500	3500	0.69	0.46	0.27	0.80	0.49	0.83	0.51
Nickel	2000	200	19	22	18	18	23	14	31
Selenium	100	10	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	2400	240	13	12	6.7	17	14	16	15
Zinc	5000	2500	15	9.8	8.2	57	26	22	13

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

Sample depth in feet below grade

Boring number

SOLUBLE METALS

		SAMPLE I.D.	MED1-2	MED1-4	MED1-6	MED2-2	MED2-4	MED2-6	MED2-8
ANALYTE	**STLC/Federal threshold**								
Chromium	5		---	---	---	---	---	---	---
Lead	5		---	---	---	10 (2.0)	---	---	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

Concentrations shown in parentheses are for TCLP

SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Title 22 Metals - EPA Test Method 6010*

TOTAL METALS

	SAMPLE I.D.		MED3-2	MED3-4	MED3-6	MED3-8	MED4-0	MED5-0	MED6-0	MED7-0
ANALYTE	**TTLC**	**10x STLC**								
Antimony	500	150	1.4	0.61	0.31	0.64	0.88	0.80	1.1	0.66
Arsenic	500	50	5.8	1.8	2.2	1.3	7.9	3.5	22	3.1
Barium	10000	1000	80	20	22	22	127	42	127	30
Beryllium	75	7.5	< 0.050	< 0.050	< 0.050	< 0.050	0.18	< 0.050	< 0.050	< 0.050
Cadmium	100	10	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Chromium	2500	50	45	12	13	14	28	13	17	23
Cobalt	8000	800	9.1	3.3	2.7	2.8	8.1	3.7	6.4	4.3
Copper	2500	250	19	4.8	3.8	3.1	23	14	17	8.8
Lead	1000	50	3.3	1.9	1.3	0.82	16	133	234	33
Mercury	20	2	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	0.19	< 0.10
Molybdenum	3500	3500	1.5	< 0.25	< 0.25	< 0.25	2.1	1.3	2.3	0.57
Nickel	2000	200	18	16	14	16	45	22	11	25
Selenium	100	10	< 0.25	< 0.25	< 0.25	0.44	0.46	< 0.25	0.49	< 0.25
Silver	500	50	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thallium	700	70	1.6	< 0.25	0.37	< 0.25	0.35	< 0.25	0.37	< 0.25
Vanadium	2400	240	43	12	8.1	8.7	23	17	22	18
Zinc	5000	2500	56	12	9.3	9.3	48	57	79	25

Notes: Concentrations are in units of milligrams per kilogram (mg/kg)

* Total mercury by EPA Test Method 7471

< = Less than indicated reporting limit

ADMIN1-5

Sample depth in feet below grade

Boring number

SOLUBLE METALS

	SAMPLE I.D.	MED3-2	MED3-4	MED3-6	MED3-8	MED4-0	MED5-0	MED6-0	MED7-0
ANALYTE	**STLC/Federal threshold**								
Chromium	5	---	---	---	---	---	---	---	---
Lead	5	---	---	---	---	---	8.2 (0.45)	16 (0.21)	---

Notes: Concentrations are in units of milligrams per liter (mg/l)

--- Analysis not performed

Concentrations shown in parentheses are for TCLP

TABLE II
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Volatile Organic Compounds (VOCs)
Semi-volatile Organic Compounds (SVOCs)
Total Petroleum Hydrocarbons as Gasoline (TPHg)
Total Petroleum Hydrocarbons as Diesel (TPHd)
Soil pH
EPA Test Methods 8260, 8270, 8015, 8015M, and 9045, respectively

Sample ID	VOCs	SVOCs	TPHg (mg/kg)	TPHd (mg/kg)	pH
ADMIN1-0	ND	ND	< 1.0	< 1.0	9.0
ADMIN1-5	ND	ND	< 1.0	114*	9.5
ADMIN1-10	ND	ND	< 1.0	< 1.0	9.4
ADMIN1-15	ND	ND	< 1.0	< 1.0	9.2
ADMIN1-25	ND	ND	< 1.0	60**	9.9
ADMIN2-0	ND	ND	< 1.0	664**	7.8
ADMIN3-0	ND	ND	< 1.0	22*	8.5
ADMIN3-5	ND	ND	< 1.0	< 1.0	9.2
ADMIN3-10	ND	ND	< 1.0	< 1.0	10.0
ADMIN3-15	ND	ND	< 1.0	< 1.0	10.4
ADMIN3-20	ND	ND	< 1.0	< 1.0	9.5
ADMIN3-25	ND	ND	< 1.0	182*	8.9
ADMIN4-0	ND	ND	< 1.0	< 1.0	8.9
ADMIN4-5	ND	ND	< 1.0	< 1.0	9.1
ADMIN4-10	ND	ND	< 1.0	< 1.0	9.8
ADMIN5-0	ND	ND	< 1.0	< 1.0	8.3
ADMIN5-5	ND	ND	< 1.0	29*	10.0
ADMIN5-10	ND	ND	< 1.0	< 1.0	10.0
ADMIN5-15	ND	ND	< 1.0	< 1.0	9.5
ADMIN5-20	ND	ND	< 1.0	< 1.0	9.6
ADMIN5-25	ND	ND	< 1.0	< 1.0	8.9
ADMIN6-0	ND	ND	< 1.0	92*	8.9
ADMIN6-5	ND	ND	< 1.0	< 1.0	8.9
ADMIN6-10	ND	ND	< 1.0	< 1.0	9.3
ADMIN6-15	ND	ND	< 1.0	< 1.0	8.6
ADMIN6-20	ND	ND	< 1.0	< 1.0	9.0
ADMIN6-25	ND	ND	< 1.0	< 1.0	8.9

Notes:
ND = Not detected above laboratory reporting limit.
< = Less than indicated reporting limit
* = Sample contains hydrocarbons of an unknown pattern.
** = Sample contains single peak hydrocarbons that do not match the diesel pattern.
Quantifications are based on the diesel standard.
mg/kg = milligrams per kilogram

TABLE II
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Volatile Organic Compounds (VOCs)
Semi-volatile Organic Compounds (SVOCs)
Total Petroleum Hydrocarbons as Gasoline (TPHg)
Total Petroleum Hydrocarbons as Diesel (TPHd)
Soil pH
EPA Test Methods 8260, 8270, 8015, 8015M, and 9045, respectively

Sample ID	VOCs	SVOCs	TPHg (mg/kg)	TPHd (mg/kg)	pH
MNTNC1-0	ND	ND	< 1.0	29#	9.2
MNTNC1-5	ND	ND	< 1.0	< 1.0	9.0
MNTNC1-10	ND	ND	< 1.0	< 1.0	9.3
MNTNC1-15	ND	ND	< 1.0	< 1.0	9.3
MNTNC1-20	ND	ND	< 1.0	< 1.0	9.1
MNTNC1-25	ND	ND	< 1.0	< 1.0	8.8
MNTNC2-0	ND	ND	< 1.0	< 1.0	9.0
MNTNC2-5	ND	ND	< 1.0	< 1.0	9.2
MNTNC2-10	ND	ND	< 1.0	< 1.0	8.7
MNTNC2-15	ND	ND	< 1.0	< 1.0	9.1
MNTNC2-20	ND	ND	< 1.0	9.4*	8.8
MNTNC2-25	ND	ND	< 1.0	26*	8.8
MNTNC3-0	ND	ND	< 1.0	134*	9.2
MNTNC3-5	ND	ND	< 1.0	< 1.0	9.2
MNTNC3-10	ND	ND	< 1.0	< 1.0	9.9
MNTNC3-15	ND	ND	< 1.0	< 1.0	9.7
MNTNC3-20	ND	ND	< 1.0	< 1.0	8.8
MNTNC3-25	ND	ND	< 1.0	21*	8.7
MNTNC4-0	ND	ND	< 1.0	< 1.0	9.5
MNTNC4-5	ND	ND	< 1.0	24*	9.5
MNTNC4-10	ND	ND	< 1.0	< 1.0	9.3
MNTNC4-15	ND	ND	< 1.0	< 1.0	9.7
MNTNC4-20	ND	ND	< 1.0	< 1.0	9.2
MNTNC4-25	ND	ND	< 1.0	18#	8.6
MNTNC5-0	ND	ND	< 1.0	909*	9.5
MNTNC5-5	ND	ND	< 1.0	< 1.0	9.0
MNTNC5-10	ND	ND	< 1.0	< 1.0	9.4
MNTNC5-15	ND	ND	< 1.0	< 1.0	9.5
MNTNC5-20	ND	ND	< 1.0	< 1.0	9.2
MNTNC6-0	ND	ND	< 1.0	164*	9.4
MNTNC6-5	ND	ND	< 1.0	< 1.0	9.1
MNTNC6-10	ND	ND	< 1.0	< 1.0	9.3
MNTNC6-15	ND	ND	< 1.0	< 1.0	9.6
MNTNC6-20	ND	ND	< 1.0	< 1.0	8.8
MNTNC6-25	ND	ND	< 1.0	< 1.0	9.0

Notes:
ND = Not detected above laboratory reporting limit.
< = Less than indicated reporting limit
* = Sample contains hydrocarbons of an unknown pattern.
# = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.
Quantifications are based on the diesel standard.
mg/kg = milligrams per kilogram

TABLE II
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES
SFOBB - GATEWAY PROJECT

Volatile Organic Compounds (VOCs)
Semi-volatile Organic Compounds (SVOCs)
Total Petroleum Hydrocarbons as Gasoline (TPHg)
Total Petroleum Hydrocarbons as Diesel (TPHd)
Soil pH
EPA Test Methods 8260, 8270, 8015, 8015M, and 9045, respectively

Sample ID	VOCs	SVOCs	TPHg (mg/kg)	TPHd (mg/kg)	pH
MED1-2	ND	ND	< 1.0	37^	8.3
MED1-4	ND	ND	< 1.0	< 1.0	8.7
MED1-6	ND	ND	< 1.0	< 1.0	8.7
MED2-2	ND	ND	< 1.0	118#	8.5
MED2-4	ND	ND	< 1.0	< 1.0	8.8
MED2-6	ND	ND	< 1.0	< 1.0	9.3
MED2-8	ND	ND	< 1.0	< 1.0	8.5
MED3-2	ND	ND	< 1.0	68**	8.1
MED3-4	ND	ND	< 1.0	< 1.0	9.2
MED3-6	ND	ND	< 1.0	< 1.0	9.6
MED3-8	ND	ND	< 1.0	< 1.0	8.6
MED4-0	ND	ND	< 1.0	30*	8.4
MED5-0	ND	ND	< 1.0	93#	8.0
MED6-0	ND	ND	< 1.0	81^	7.3
MED7-0	ND	ND	< 1.0	56^	7.5

Notes:
ND = Not detected above laboratory reporting limit.
< = Less than indicated reporting limit
* = Sample contains hydrocarbons of an unknown pattern.
** = Sample contains hydrocarbons heavier than diesel, possibly motor oil.
# = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.
^ = Sample contains hydrocarbons that do not match the diesel pattern, possibly weathered diesel.
Quantifications are based on the diesel standard.
mg/kg = milligrams per kilogram

TABLE III
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
GROUNDWATER SAMPLES
SFOBB - GATEWAY PROJECT

Dissolved Title 22 Metals - EPA Test Method 6010*

			SAMPLE I.D.	ADMIN1	ADMIN3	ADMIN5	ADMIN6	MNTNC1	MNTNC3	MNTNC6	MED2
ANALYTE	**MCL[1]**	**WQO[2]**	**WQO[3]**								
Antimony	**0.006**	**NL**	**NL**	0.006	0.009	0.005	< 0.005	0.013	0.009	0.14	0.019
Arsenic	**0.05**	**0.036**	**0.069**	< 0.005	< 0.005	< 0.005	< 0.005	0.012	< 0.005	0.048	0.006
Barium	**1.0**	**NL**	**NL**	0.17	0.086	0.38	0.82	0.45	0.14	0.23	0.12
Beryllium	**0.004**	**NL**	**NL**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	**0.005**	**0.0093**	**0.043**	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Chromium	**0.05[4]**	**0.05**	**1.1**	< 0.003	0.014	< 0.003	< 0.003	< 0.003	0.087	< 0.003	< 0.003
Cobalt	**NL**	**NL**	**NL**	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.011	< 0.003	< 0.003
Copper	**1.0**	**NL**	**NL**	< 0.003	0.017	< 0.003	< 0.003	< 0.003	0.063	0.012	< 0.003
Lead	**0.015**	**0.0056**	**0.14**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.031	< 0.005	< 0.005
Mercury	**0.002**	**0.000025**	**0.0021**	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Molybdenum	**NL**	**NL**	**NL**	0.007	0.009	0.007	0.005	< 0.005	0.007	0.011	0.005
Nickel	**0.1**	**NL**	**NL**	< 0.003	0.009	< 0.003	0.005	< 0.003	0.071	< 0.003	< 0.003
Selenium	**0.01**	**NL**	**NL**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005
Silver	**0.05**	**NL**	**NL**	0.002	< 0.001	0.003	0.007	0.002	0.001	0.002	< 0.001
Thallium	**0.002**	**NL**	**NL**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.020	< 0.005	< 0.005
Vanadium	**NL**	**NL**	**NL**	< 0.003	0.020	0.003	< 0.003	0.005	0.094	0.016	0.004
Zinc	**5.0**	**NL**	**NL**	0.051	0.063	0.044	0.050	< 0.01	0.082	0.018	0.014

Notes: Concentrations are in units of milligrams per liter (mg/l)

* Mercury by EPA Test Method 7471

< = Less than indicated reporting limit

MCL = Maximum Contaminant Level

NL = Not Listed

(1) = Listed MCL is the most stringent primary or secondary level listed for either state or federal drinking water standards.

(2) = Water Quality Objectives for 4-day average from Table 3-3, Basin Plan.

(3) = Water Quality Objectives for 1-hour average from Table 3-3, Basin Plan.

(4) = Listed MCL is for total chromium

TABLE IV
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
GROUNDWATER SAMPLES
SFOBB - GATEWAY PROJECT

Volatile Organic Compounds (VOCs)
Semi-volatile Organic Compounds (SVOCs)
Total Petroleum Hydrocarbons as Gasoline (TPHg)
Total Petroleum Hydrocarbons as Diesel (TPHd)
Water pH
EPA Test Methods 8260, 8270, 8015, 8015M, and 150.1, respectively

Sample ID	VOCs	SVOCs	TPHg (mg/l)	TPHd (mg/l)	pH
ADMIN1	ND	ND	< 0.05	< 0.05	7.68
ADMIN3	ND	ND	< 0.05	< 0.05	8.46
ADMIN5	ND	ND	< 0.05	< 0.05	7.93
ADMIN6	ND	ND	< 0.05	0.2*	6.74
MNTNC1	ND	ND	< 0.05	< 0.05	7.44
MNTNC3	ND	ND	< 0.05	0.7*	8.87
MNTNC6	ND	ND	< 0.05	< 0.05	7.62
MED2	ND	ND	< 0.05	< 0.05	7.04

Notes:

* = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.

Quantifications are based on the diesel standard.

mg/l = milligrams per liter

ND = not detected above the laboratory reporting limit

< = less than indicated reporting limit

TABLE V
SUMMARY OF LOCATIONS WHERE LEAD-BASED PAINT WAS DETECTED AT CONCENTRATIONS GREATER THAN 5.0 mg/cm^2
SFOBB-GATEWAY PROJECT

Toll Operations Building

Floor	Room Type	Room No.*	Structure	Feature	Condition	Substrate
Basement	Hall	B1	Door	Right Casing	Solid	Metal
Basement	Porch	B1	Pipes	---	Solid	Metal
Basement	Hall	B2	Door	Left Casing	Solid	Metal
Basement	Hall	B2	Door	Left Casing	Solid	Metal
Basement	Porch	B2	Pipes	---	---	Metal
Basement	Room	B3	Door	---	Solid	Metal
Basement	Room	B4	Door	Left Casing	Solid	Metal
Basement	Room	B4	Door	Left Casing	Solid	Metal
Basement	Room	B4	Equipment	Electric Panel	Solid	Metal
Basement	Room	B4	Pipes	---	Solid	Metal
Basement	Room	B4	Pipes	---	Solid	Metal
Basement	Room	B4	Pipes	---	Solid	Metal
Basement	Room	B7	Door	Left Casing	Solid	Metal
1	Bath	1	Wall	Lower	Solid	Tile
1	Bath	1	Wall	Upper	Solid	Tile
1	Bath	1	Wall	Middle	Solid	Tile
1	Stairwell	2	Stairs	Stringer	Solid	Metal
1	Bath	2	Wall	Lower	Solid	Tile
1	Bath	2	Wall	Lower	Solid	Tile
1	Bath	2	Wall	Lower	Solid	Tile
1	Bath	2	Wall	Lower	Solid	Tile
1	Bath	3	Wall	Lower	Solid	Tile
1	Bath	3	Wall	Lower	Solid	Tile
1	Bath	3	Wall	Lower	Solid	Tile
1	Bath	3	Wall	Lower	Solid	Tile
1	Bath	4	Wall	Lower	Solid	Tile
1	Bath	5	Wall	Lower	Solid	Tile
1	Bath	5	Wall	Upper	Solid	Metal
1	Bath	6	Wall	Lower	Solid	Tile
1	Bath	7	Wall	Lower	Solid	Tile
1	Bath	7	Wall	Lower	Cracked	Tile
1	Bath	8	Wall	Middle	Solid	Tile
1	Bath	9	Wall	Lower	Solid	Tile
1	Bath	10	Wall	Lower	Solid	Tile
1	Room	11	Wall	Middle	Solid	Paper
1	Room	11	Wall	Middle	Solid	Paper
1	Room	11	Wall	Upper	Solid	Paper
1	Room	11	Wall	Upper	Solid	Paper
1	Bath	11	Wall	Lower	Solid	Tile
1	Bath	12	Wall	Lower	Solid	Tile

Note:

N/A = Not Applicable

--- = Data not indicated in HB&T report

* = See figures at end of HB&T report for room number locations

APPENDIX A

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-6575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT SAN FRANCISCO-OAKLAND BAY BRIDGE TOLL PLAZA

California Coordinates Source ____ / ____ / ____ Accuracy ± ____ ft.
CCN ____ ft. CCE ____ ft.
APN ____ / ____ / ____ / ____

CLIENT
Name CALTRANS
Address P.O. BOX 23660 Phone (510) 286-5595
City OAKLAND Zip 94623

APPLICANT
Name GEOCON
Fax (925) 746-7144
Address 3478 BUSKIRK AVE, STE 1000 Phone (925) 746-7141
City PLEASANT HILL, CA Zip 94523

TYPE OF PROJECT SOIL SAMPLING

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE N/A

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other ____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☑ DIRECT-PUSH		

DRILLER'S LICENSE NO. 720904 (C57)

WELL PROJECTS N/A
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Number ____

~~ENVIRONMENTAL~~ ~~GEOTECHNICAL~~ PROJECTS
Number of Borings 16 Maximum
Hole Diameter 2 in. Depth 25 ft.

ESTIMATED STARTING DATE 2/22/99
ESTIMATED COMPLETION DATE 3/1/99

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 2/9/99

FOR OFFICE USE

PERMIT NUMBER 99WR060
WELL NUMBER ____
APN ____

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
(1.) A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
(2.) Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D.) GEOTECHNICAL
Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
See attached.

G. SPECIAL CONDITIONS

APPROVED [signature] DATE 2/17/99

STATE OF CALIFORNIA · DEPARTMENT TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120 (NEW 9/91)

Permit No.	0498-NSV-2229
Dist/Co/Rte/PM	04-Ala-80-2.03
Date	September 29, 1998
Fee Paid	$
Deposit	$
Performance Bond Amount (1)	$
Payment Bond Amount (2)	$
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (check one):

x Your application of September 14, 1998

____ Utility Notice No. _____ of _____

____ Agreement No. _____ of _____

____ R/W Contract No. _____ of _____

TO:

Geocon Environmental Consultants, Inc.
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742

ATTN: Kevin J. Brown
PHONE: (916) 852-9118

, PERMITTEE

RECEIVED
OCT - 2 1998
BY: GEOCON

and subject to the following, PERMISSION IS HEREBY GRANTED to:

perform 110 soil borings for soil investigation in conjunction with State Contract (No. 43Y097 and Task Order No. 04-002971-DU), at Toll Plaza of San Francisco-Oakland Bay Bridge on State Highways 04-Ala-80, Post Mile 2.03 in Oakland.

Two days before work is started under this permit, notice shall be given to, and approval of construction details, operations, public safety, and traffic control shall be obtained from State Representative Frank Mele, 111 Grand Avenue, Oakland, 94512, 510-286-6375, weekdays, between 7:30 AM and 4:00 PM.

Immediately following completion of the work permitted herein, the permittee shall fill out and mail the Notice of Completion attached to this permit.

All personnel shall wear hard hats and orange vests, shirts, or jackets as appropriate.

The following attachments are also included as part of this permit. (Check applicable):

X Yes	___ No	General Provisions
___ Yes	x No	Utility Maintenance Provisions
___ Yes	x No	Special Provisions
___ Yes	x No	A Col-OSHA permit required prior to beginning work; # _____

In addition to fee the permittee will be billed actual costs for:

___ Yes	x No	Review
___ Yes	x No	Inspection
X Yes	_____	Field Work

(If any Caltrans effort expended)

___ Yes x No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before March 30, 1999

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

APPROVED:

Harry Y. Yahata, District Director

BY:

G. J. Battaglini, District Permit Engineer

NAME: Geocon Environmental Consultants
PERMIT #: 0498-N5V-2229
DATE: September 29, 1998

No excavation shall be left open overnight without written permission from the Caltrans representative or unless otherwise specified herein.

The site of the work shall be enclosed by suitable barricades, signs and lights, as approved by State's representative, to warn and protect traffic effectively.

Unless specifically authorized elsewhere in this permit, survey work shall not be performed:

a. On designated holidays or an afternoon preceding a holiday.

b. In medians.

c. When work requires traffic control on lanes.

Unless specifically authorized in this permit, survey markings within the right-of-way shall be temporary. Paint used for markings shall be water soluble and other markers shall be removed upon completion of survey.

Measurements across traffic lanes shall be made by electronic distance measuring device utilizing nonvisible light or other optical means.

Electromagnetic and radioactive equipment must be operated by certified personnel and shall not interfere with radio communications or be directed toward the traveling public.

Vehicles necessary for survey work may be parked in State highway right-of-way off paved shoulders. Auxiliary support and employee vehicles shall remain outside the right-of-way.

Detonating explosive charges within State right-of-way is prohibited.

Certain details of work authorized hereby are shown on permittee's plans for contract No. 43Y097 and Task Order No. 04-002971-DU submitted with request for permit.

Before any work is begun which will interrupt the normal flow of public traffic, approval shall be obtained from State's representative, and closures will be as shown on the attached copy of Standard Plan Sheet T-10.

Before starting work, SFOBB Maintenance Manager Mr. Jim Newman at (510) 286-0876 shall be contacted for approval of construction and operational details.

The attached "T-10" freeway traffic control plan shall be used for shoulder closures only.

Excavation backfill shall be in accordance with State standards or as directed by State's representative.

STATE OF CALIFORNIA, DEPARTMENT TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 8/98)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.

2. **REVOCATION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.

3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.

4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.

5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.

6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.

7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."

8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.

9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.

10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.

11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).

12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.

13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 1.21 meter (4') shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street.

14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. Day and night time lane closures shall comply with the Manuals of Traffic Controls, Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.

15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the Manual of Traffic Controls and Instructions to Flaggers Pamphlet.

16. **STORAGE OF EQUIPMENT AND MATERIALS:** Equipment and material storage in State right of way shall comply with Standard Specifications, Standard Plans, and Special Provisions. Whenever the permittee places an obstacle within 3.63 m (12') feet of the traveled way, the permittee shall place temporary railing (Type K).

17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.

18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.

20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.

21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.

22 **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of as-built plans in compliance with Department's requirements. Plans shall be submitted within thirty (30) days after completion and approval of work.

As-Built plans or accompanying correspondence shall not include disclaimer statements of any kind. Such statements shall constitute non-compliance with these provisions. Failure to provide complete and signed As-Built plans shall be cause for bond or deposit retention by the Department.

23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.

24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.

25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to rearrange a permitted installation upon request by the Department, for State construction, reconstruction, or maintenance

work on the highway. The permittee at his sole expense, unless under a prior agreement, JUA, or a CCUA, shall comply with said request.

26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.

27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.

28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director , from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**
A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:
1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.
4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A, Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.
B. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

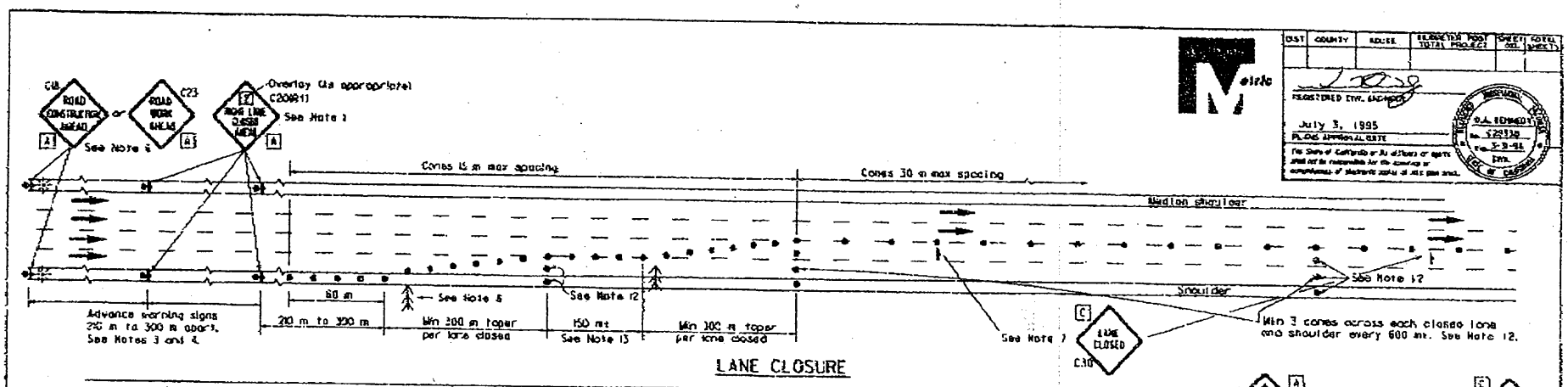
33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State. The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.

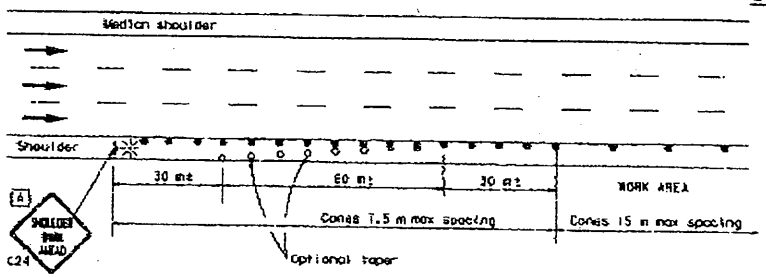
35. **Notification of Department and TMC:** The permittee shall notify the Department's representative and the Traffic Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.

36. **Underground Service Alert (USA) Notification:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including , but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

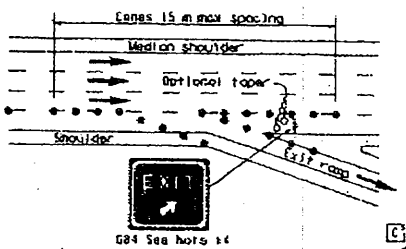
FREEWAY TCS



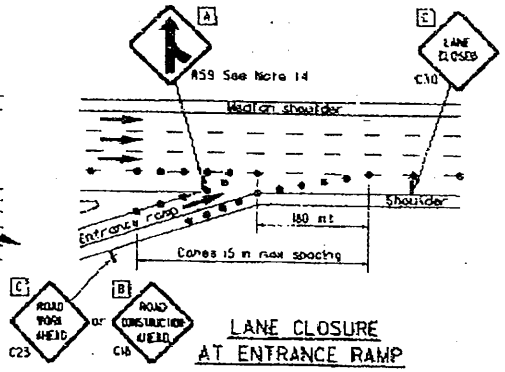
LANE CLOSURE



SHOULDER CLOSURE



LANE CLOSURE AT EXIT RAMP



LANE CLOSURE AT ENTRANCE RAMP

NOTES

1. Median lane closures shall conform to the details for outside lane closures except that C20 (L,R) signs shall be used.
2. Not less than one person shall be assigned to full time maintenance of traffic control devices on all night lane closures or daytime closures exceeding one mile in length, including taper.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 2.4 m and the outside lanes are to be closed.
4. All advance warning sign installations shall be equipped with flags for daytime closures. Flashing beacons shall be placed at the locations indicated during night lane closures.
5. A C13 "END CONSTRUCTION" or C14 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project limits.
6. If the C18 or C23 sign would follow within 600 m of a stationary C8, C23 or C11 "STATE HIGHWAY CONSTRUCTION NEXT_____ MILES", use a C20 sign for the first advance warning sign.
7. Place a C30 sign every 600 m throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type L. All others may be either Type L or Type H.
9. A minimum 450 m of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for night lane closures shall be fitted with reflective sleeves as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used in lieu of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 600 m as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 150 m section of the lane closure shown along tunnelbore shall be used between the 300 m lane closure tapers when two or more adjacent traffic lanes are to be closed.
14. Unless otherwise specified in the special provisions, the G84 and W59 signs shall be used as shown.

SIGN PANEL SIZE (Min)

- A 1200 mm x 1200 mm
- B 900 mm x 900 mm
- C 750 mm x 750 mm

LEGEND

- Traffic Cone
- Traffic Cone (optional taper)
- Portable Sign
- Flashing Arrow Sign
- Direction of Travel
- Portable Flashing Beacon

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

T10

STD. PLAN T10

02/18/1999 09:19 916-852-9132 PAGE 06

APPENDIX B

PROJECT NO. S8130-06-99A

BORING NO. ADMIN1

DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		ADMIN1-0 0805		APPROXIMATELY 2 INCHES ASPHALT CONCRET -hard zone approximately 2 feet **FILL** Damp, brown, fine to medium SAND with trace fine gravel and clay	SW	
5		ADMIN1-5 0810		Damp, brown, fine to medium SAND -some wood debris by approximately 6 feet	SP	
9				-Becomes wet by approximately 8 feet		
10		ADMIN1-10 0815		-Becomes saturated by approximately 10 feet		
15		ADMIN1-15 0820		-Becomes gray by 15 feet		
20				-Sand blocked tip and destroyed tube (no recovery)		
25		ADMIN1-25 0912		Saturated, gray, Silty, fine SAND with trace clay	SM	
26				BORING TERMINATED AT 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B1, Log of Boring ADMIN1, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. ADMIN2** DATE DRILLED 2/22/99 WATER LEVEL (ATD) ____ EQUIPMENT GEOPROBE DRILLER VIRONEX	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1 2 3		ADMIN2 -0 1030		APPROXIMATELY 6 INCHES ASPHALT CONCRETE **FILL** Moist, brown, fine to coarse SAND with trace gravel	SW	
				REFUSAL AT APPROXIMATELY 3.5 FEET Boring backfilled with cement and capped with concrete		

Figure B2, Log of Boring ADMIN2, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:	ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. ADMIN3

DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 1.5 INCHES ASPHALT CONCRETE		
2		ADMIN3-0 1110		**FILL** Moist, dark brown, fine to coarse SAND with trace gravel	SW	
3						
4						
5				Wet, brown, fine to medium SAND with trace silt		
6		ADMIN3-5 1120			SP	
7						
8						
9				▼		
10		ADMIN3-10 1130		-Becomes gray and saturated by 10 feet		
11				-Shell fragments apparent at approximately 11 feet		
12						
13						
14						
15		ADMIN3-15 1145		-Becomes fine sand by 15 feet		
16						
17						
18						
19						
20		ADMIN3-20 1200				
21						
22						
23				**BAY MUD** Saturated, gray, Sandy CLAY	CL	
24						
25		ADMIN3-25 1219				
26				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B3, Log of Boring ADMIN3, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. ADMIN4** DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0' EQUIPMENT GEOPROBE DRILLER VIRONEX	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1		ADMIN4 -0 1240		APPROXIMATELY 5 INCHES OF ASPHALT CONCRETE **FILL** Damp, brown, fine to coarse SAND with trace gravel and clay	SW	
2						
3						
4						
5		ADMIN4 -5 1245		-Gravel not apparent at 5 feet		
6						
7						
8						
9				Saturated, gray, Clayey SAND	SC	
10						
11		ADMIN4 -10 1300		REFUSAL AT APPROXIMATELY 11 FEET Boring backfilled with cement and capped with asphalt concrete		

Figure B4, Log of Boring ADMIN4, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:	ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. ADMIN5** DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0' EQUIPMENT GEOPROBE DRILLER VIRONEX SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		ADMIN5-0 1340		APPROXIMATELY 3 INCHES ASPHALT CONCRETE **FILL** Damp, brown, fine to medium SAND	SP	
2						
3						
4						
5						
6		ADMIN5-5 1347		-Becomes wet and gray by approximately 5 feet		
7						
8						
9				▼		
10		ADMIN5-10 1352		Saturated, gray, Sandy CLAY with shell fragments	SC	
11						
12				Saturated, gray, Silty, fine SAND with trace clay		
13						
14						
15		ADMIN5-15 1400			SM	
16						
17						
18						
19						
20		ADMIN5-20 1432				
21						
22						
23						
24						
25		ADMIN5-25 1445		Saturated, gray, fine SAND	SP	
26				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B5, Log of Boring ADMIN5, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:	ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. ADMIN6

DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		ADMIN6 -0 1500		APPROXIMATELY 3 INCHES ASPHALT CONCRETE **FILL** Damp, brown, fine to medium SAND with trace gravel	SW	
5		ADMIN6 -5 1507		Moist, brown, fine to medium SAND	SP	
10		ADMIN6 -10 1519		-Becomes saturated and gray by 10 feet		
15		ADMIN6 -15 1530		Silty, fine SAND	SM	
20		ADMIN6 -20 1600		-Trace of silt by 20 feet		
25		ADMIN6 -25 1606		BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B6, Log of Boring ADMIN6, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC1

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 2 FEET OF ASPHALT CONCRETE		
2		MNTNC1-0 1155		**FILL** Damp, brown, fine to coarse SAND with trace gravel	SW	
3						
4				Moist, brown, fine to medium SAND		
5		MNTNC1-5 1200			SP	
6						
7						
8						
9				▼		
10		MNTNC1-10 1208		-Becomes saturated by approximately 10 feet		
11						
12						
13						
14						
15		MNTNC1-15 1215		-Becomes gray by approximately 15 feet		
16						
17						
18						
19						
20		MNTNC1-20 1250		-Becomes clayey by approximately 20 feet		
21						
22				**BAY MUD** Saturated, black, CLAY		
23						
24						
25		MNTNC1-25 1307			CL	
26				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B7, Log of Boring MNTNC1, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC2

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		MNTNC2-0 1332		APPROXIMATELY 6 INCHES ASPHALT CONCRETE **FILL** Damp, brown, fine to coarse SAND with trace gravel	SW	
5		MNTNC2-5 1339		Moist, brown, fine to medium SAND	SP	
10		MNTNC2-10 1348		-Becomes saturated and gray by approximately 10 feet		
15		MNTNC2-15 1357				
20		MNTNC2-20 1412		**BAY MUD** Saturated, black, CLAY	CL	
25		MNTNC2-25 1430		BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B8, Log of Boring MNTNC2, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC3

DATE DRILLED 2/22/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 2 FEET ASPHALT CONCRETE		
2		MNTNC3-0 1644		**FILL** Damp, brown, fine to coarse SAND with trace gravel and clay	SW	
5		MNTNC3-5 1648		Moist, fine to medium SAND	SP	
9				▼		
10		MNTNC3-10 1656		-Becomes saturated and gray by 10 feet		
15		MNTNC3-15 1705				
17				**BAY MUD** Saturated, gray-black, Sandy CLAY		
20		MNTNC3-20 1730			CL	
25		MNTNC3-25 1750				
26				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B9, Log of Boring MNTNC3, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC4

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 2 FEET ASPHALT CONCRETE		
2						
3		MNTNC4-0 1030		**FILL** Damp, brown, fine to coarse SAND with trace gravel	SW	
4						
5				Moist, brown, fine to medium SAND		
6		MNTNC4-5 1037			SP	
7						
8						
9				▼		
10						
11		MNTNC4-10 1044		-Becomes saturated by 10 feet		
12						
13						
14						
15						
16		MNTNC4-15 1053		-Becomes gray by 15 feet		
17						
18						
19						
20						
21		MNTNC4-20 1104				
22						
23				**BAY MUD** Saturated, black, CLAY		
24						
25						
26		MNTNC4-25 1117			CL	
				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B10, Log of Boring MNTNC4, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC5

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 1.5 FEET ASPHALT CONCRETE		
2		MNTNC5 -0 0911		**FILL** Damp, brown, fine to coarse SAND with trace gravel	SW	
3						
4						
5				Moist, brown, fine to medium SAND		
6		MNTNC5 -5 0917			SP	
7						
8						
9				▽		
10						
11		MNTNC5 -10 0923		-Becomes saturated and gray by 10 feet		
12						
13						
14						
15						
16		MNTNC5 -15 0933				
17						
18						
19						
20						
21		MNTNC5 -20 0950		-Becomes finer by approximately 20 feet		
22						
23				**BAY MUD** Very soft, saturated, black, CLAY		
24						
25						
26					CL	
				BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete		

Figure B11, Log of Boring MNTNC5, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MNTNC6

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 9.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				APPROXIMATELY 2 FEET ASPHALT CONCRETE		
2						
3		MNTNC6 -0 0753		**FILL** Damp, brown, fine to coarse SAND with trace gravel	SW	
4						
5				Wet, brown, fine to medium SAND		
6		MNTNC6 -5 0758			SP	
7						
8						
9				▼		
10						
11		MNTNC6 -10 0802		-Becomes saturated and gray by approximately 10 feet		
12						
13						
14						
15						
16		MNTNC6 -15 0810		-trace clay by 15 feet		
17						
18						
19						
20						
21		MNTNC6 -20 0838				
22						
23				**BAY MUD** Saturated, black-gray, Sandy CLAY		
24						
25						
26		MNTNC6 -25 0850		BORING TERMINATED AT APPROXIMATELY 26 FEET Backfilled with cement and capped with asphalt concrete	CL	

Figure B12, Log of Boring MNTNC6, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MED1

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 8.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
				APPROXIMATELY 4 INCHES MULCH		
1				**FILL** Moist, brown, fine to coarse SAND with trace gravel		
2		MED1-2 1605			SW	
3				Damp, brown, fine to medium SAND		
4		MED1-4 1606			SP	
5						
6		MED1-6 0609				
7						
				-Becomes saturated by 8 feet		
8				BORING TERMINATED AT APPROXIMATELY 8 FEET Backfilled with cement		

Figure B13, Log of Boring MED1, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MED2

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 8.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				**FILL** Damp, dark brown, fine to coarse SAND with trace gravel	SW	
2		MED2-2 1504		Moist, brown, fine to medium SAND		
3					SP	
4		MED2-4 1505				
5						
6		MED2-6 1508				
7						
8		MED2-8 1509		-Becomes saturated by 8 feet ▼ BORING TERMINATED AT APPROXIMATELY 8 FEET Backfilled with cement		

Figure B14, Log of Boring MED2, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S8130-06-99A

BORING NO. MED3

DATE DRILLED 2/23/99 WATER LEVEL (ATD) 8.0'

EQUIPMENT GEOPROBE DRILLER VIRONEX

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
				APPROXIMATELY 3 INCHES ASPHALT CONCRETE		
1				**FILL** Damp, brown, fine to coarse SAND with trace gravel		
2		MED3-2 1544			SW	
3						
				Moist, brown, fine to medium SAND		
4		MED3-4 1545			SP	
5						
6		MED3-6 1550				
7						
8		MED3-8 1551		-Becomes saturated by 8 feet		
				BORING TERMINATED AT APPROXIMATELY 8 FEET Backfilled with cement and capped with asphalt concrete		

Figure B15, Log of Boring MED3, page 1 of 1

ENV_NO_WELL GATEWAY.GPJ 03/23/99

BORING ELEVATION:

ENGINEER/GEOLOGIST: **ROSS WHITE**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX C

March 11, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Gateway, #S8130-06-99A
Lab No.: 33392-001/049

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

March 22, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White
SUBJECT: AMENDED REPORT

Client's Project: Gateway, S8130-06-99A
Lab No.: 33392-001/049

Gentlemen:

The report was amended for the following:

pH results for ADMIN5-0, 5, 10, 15, 20 were added.

Please disregard all previous documentation that corresponds to the pages(s) enclosed.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS083**
Attn:	**Ross White**	**Date Sampled:**	**02/22/99**
		Date Received:	**02/23/99**
		Date Extracted:	**02/24/99**
		Date Analyzed:	**02/24/99**
Client's Project:	**Gateway, #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene**
Analyst Initials:	**DJK**		**Chloride**

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33392-001	ADMIN1-0	ND	1.0	1.0
33392-002	ADMIN1-5	114*	10	10
33392-003	ADMIN1-10	ND	1.0	1.0
33392-004	ADMIN1-15	ND	1.0	1.0
33392-005	ADMIN1-25	60**	1.0	1.0
33392-010	ADMIN2-0	664**	50	50
33392-011	ADMIN3-0	22*	1.0	1.0
33392-012	ADMIN3-5	ND	1.0	1.0
33392-013	ADMIN3-10	ND	1.0	1.0
33392-013Dup	ADMIN3-10	ND	1.0	1.0
33392-014	ADMIN3-15	ND	1.0	1.0
		%Rec	Limits	
LCS		95	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Sample contains hydrocarbons heavier that diesel, possibly motor oil. However, quantitation is based on a diesel standard.

** = Sample contains single peak hydrocarbons that do not match the diesel pattern. However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS084**
Attn:	**Ross White**	**Date Sampled:**	**02/22/99**
		Date Received:	**02/23/99**
		Date Extracted:	**02/24/99**
		Date Analyzed:	**02/25/99**
Client's Project:	**Gateway, #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**ZL/DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33392-015	ADMIN3-20	ND	1.0	1.0
33392-016	ADMIN3-25	182*	1.0	1.0
33392-020	ADMIN4-0	ND	1.0	1.0
33392-021	ADMIN4-5	ND	1.0	1.0
33392-022	ADMIN4-10	ND	1.0	1.0
33392-023	ADMIN5-0	ND	1.0	1.0
33392-023Dup	ADMIN5-0	ND	1.0	1.0
33392-024	ADMIN5-5	29*	1.0	1.0
33392-025	ADMIN5-10	ND	1.0	1.0
33392-026	ADMIN5-15	ND	1.0	1.0
33392-027	ADMIN5-20	ND	1.0	1.0
		%Rec	Limits	
LCS		82	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.**
However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS087**
Attn:	**Ross White**	**Date Sampled:**	**02/22/99**
		Date Received:	**02/23/99**
		Date Extracted:	**02/25/99**
		Date Analyzed:	**02/26/99**
Client's Project:	**Gateway, #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene**
Analyst Initials:	**ZL/DJK**		**Chloride**

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33392-028	ADMIN5-25	ND	1.0	1.0
33392-032	ADMIN6-0	92*	1.0	10
33392-033	ADMIN6-5	ND	1.0	1.0
33392-034	ADMIN6-10	ND	1.0	1.0
33392-034Dup	ADMIN6-10	ND	1.0	1.0
33392-035	ADMIN6-15	ND	50	50
33392-036	ADMIN6-20	ND	1.0	1.0
33392-037	ADMIN6-25	ND	1.0	1.0
33392-041	MNTNC3-0	134*	1.0	1.0
33392-042	MNTNC3-5	ND	1.0	1.0
33392-043	MNTNC3-10	ND	1.0	1.0
		%Rec	Limits	
LCS		93	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that do not match the diesel pattern, possible motor oil.**
However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS088**
Attn:	**Ross White**	**Date Sampled:**	**02/22/99**
		Date Received:	**02/23/99**
		Date Extracted:	**02/25/99**
		Date Analyzed:	**02/26/99**
Client's Project:	**Gateway, #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**ZL/DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33392-044	MNTNC3-15	ND	1.0	1.0
33392-045	MNTNC3-20	ND	1.0	10
33392-045Dup	MNTNC3-20	ND	1.0	1.0
33392-046	MNTNC3-25	21*	1.0	1.0
		%Rec	Limits	
LCS		93	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly weathered diesel.**
However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DW085**
Attn:	**Ross White**	**Date Sampled:**	**02/22/99**
		Date Received:	**02/23/99**
		Date Extracted:	**02/24/99**
		Date Analyzed:	**02/25/99**
Client's Project:	**Gateway, #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Water**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
33392-006	ADMIN1	ND	0.05	1.0
33392-018	ADMIN3	ND	0.05	10
33392-030	ADMIN5	ND	0.05	1.0
33392-039	ADMIN6	0.2*	0.05	1.0
33392-048	MNTNC3	0.7*	0.05	1.0
		%Rec	Limits	
LCS		87	31-129	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.**
However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: LB0225B.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0225A.D	LMD0225A.D
Sample :	L998015DW085 BLANK MS	L998015DW085 BLANK MSD
Acq Time:	25 Feb 1999 7:14 pm	25 Feb 1999 7:38 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	0.0	1000	1108	927	111	93	18	23	42-142

QC BATCH #L998015DW085

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Spike Recovery and RPD Summary Report - SOIL (mg/Kg)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-03.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0224B.D	LMD0224B.D
Sample :	L998015DS083 33392-003 MS	L998015DS083 33392-003 MSD
Acq Time:	25 Feb 1999 12:20 am	25 Feb 1999 12:44 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	152.6	1000	892	823	74	67	10	23	42-142

QC# L998015DS083

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-21.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0224C.D	LMD0224C.D
Sample :	L998015DS084 33392-021 MS	L998015DS084 33392-021 MSD
Acq Time:	25 Feb 1999 6:26 am	25 Feb 1999 6:50 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	0.0	1000	656	699	66	70	6	23	42-142

QC# L998015DS084

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-33.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0226A.D	LMD0226A.D
Sample :	L998015DS087 33392-033 MS	L998015DS087 33392-033 MSD
Acq Time:	26 Feb 1999 8:17 pm	26 Feb 1999 8:41 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	86.0	1000	720	688	63	60	5	23	42-142

QC Batch#:L998015DS087

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-44.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0226B.D	LMD0226B.D
Sample :	L998015DS088 33392-044 MS	L998015DS088 33392-044 MSD
Acq Time:	27 Feb 1999 12:21 am	27 Feb 1999 12:45 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	0.0	1000	713	695	71	69	3	23	42-142

QC BATCH #L998015DS088

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	Method Blank		33392-001		33392-002		33392-003		33392-003Dup	
Client Sample I.D.:	--		ADMIN1-0		ADMIN1-5		ADMIN1-10		ADMIN1-10	
Date Sampled:	--		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:	P99VOCS033		P99VOCS033		P99VOCS033		P99VOCS033		P99VOCS033	
Date Analyzed:	02/25/99		02/25/99		02/25/99		02/25/99		02/25/99	
Analyst Initials:	SMC		SMC		SMC		SMC		SMC	
Dilution Factor:	1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33392-001		33392-002		33392-003		33392-003Dup	
Client Sample I.D.:		--		ADMIN1-0		ADMIN1-5		ADMIN1-10		ADMIN1-10	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	33392-004		33392-005		33392-010		33392-011		33392-012	
Client Sample I.D.:	ADMIN1-15		ADMIN1-25		ADMIN2-0		ADMIN3-0		ADMIN3-5	
Date Sampled:	02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:	P99VOCS033		P99VOCS033		P99VOCS033		P99VOCS033		P99VOCS033	
Date Analyzed:	02/25/99		02/25/99		02/25/99		02/25/99		02/25/99	
Analyst Initials:	SMC		SMC		SMC		SMC		SMC	
Dilution Factor:	1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-004		33392-005		33392-010		33392-011		33392-012	
Client Sample I.D.:		ADMIN1-15		ADMIN1-25		ADMIN2-0		ADMIN3-0		ADMIN3-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33392-013		33392-014		LCS					
Client Sample I.D.:		ADMIN3-10		ADMIN3-15		---					
Date Sampled:		02/22/99		02/22/99		---					
QC Batch #:		P99VOCS033		P99VOCS033		P99VOCS033					
Date Analyzed:		02/25/99		02/26/99		02/25/99					
Analyst Initials:		SMC		SMC		SMC					
Dilution Factor:		1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	100				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	94				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	100				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	100				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	96				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	93				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	98				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	97				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	92				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	103				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	84				
Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	96				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	93				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	97				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	104				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	107				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	105				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	100				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	98				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	97				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	66				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	109				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	102				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	100				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	105				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ıe cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-013		33392-014		LCS					
Client Sample I.D.:		ADMIN3-10		ADMIN3-15		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	111				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	99				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	97				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	104				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	100				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	97				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	99				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	95				
Methylene Chloride	15	15	ND	15	ND	21-175	104				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	106				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
Styrene	5.0	5.0	ND	5.0	ND	21-175	95				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	97				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	97				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	95				
Toluene	5.0	5.0	ND	5.0	ND	21-175	90				
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	105				
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	106				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	106				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	104				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	102				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	102				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	98				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	96				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	87				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	96				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33392-015		33392-016		33392-020		33392-021	
Client Sample I.D.:		--		ADMIN3-20		ADMIN3-25		ADMIN4-0		ADMIN4-5	
Date Sampled:		--		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:		P99VOCS034		P99VOCS034		P99VOCS034		P99VOCS034		P99VOCS034	
Date Analyzed:		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33392-015		33392-016		33392-020		33392-021	
Client Sample I.D.:		--		ADMIN3-20		ADMIN3-25		ADMIN4-0		ADMIN4-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-022		33392-023		33392-024		33392-025		33392-026	
Client Sample I.D.:		ADMIN4-10		ADMIN5-0		ADMIN5-5		ADMIN5-10		ADMIN5-15	
Date Sampled:		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:		P99VOCS034		P99VOCS034		P99VOCS034		P99VOCS034		P99VOCS034	
Date Analyzed:		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	**MDL**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ıe cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		33392-022		33392-023		33392-024		33392-025		33392-026	
Client Sample I.D.:		ADMIN4-10		ADMIN5-0		ADMIN5-5		ADMIN5-10		ADMIN5-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-027		33392-027Dup		LCS					
Client Sample I.D.:		ADMIN5-20		ADMIN5-20		---					
Date Sampled:		02/22/99		02/22/99		---					
QC Batch #:		P99VOCS034		P99VOCS034		P99VOCS034					
Date Analyzed:		02/27/99		02/27/99		02/26/99					
Analyst Initials:		SMC		SMC		SMC					
Dilution Factor:		1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	121				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	115				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	115				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	118				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	101				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	112				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	114				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	116				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	120				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	117				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	113				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	97				
Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	115				
-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	113				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	113				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	147				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	133				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	129				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	116				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	116				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	111				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	78				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	121				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	116				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	112				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	118				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ıe cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-027		33392-027Dup		LCS					
Client Sample I.D.:		ADMIN5-20		ADMIN5-20		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	129				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	115				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	117				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	117				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	128				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	116				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	111				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	121				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	112				
Methylene Chloride	15	15	ND	15	ND	21-175	120				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	132				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	119				
Styrene	5.0	5.0	ND	5.0	ND	21-175	110				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	111				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	136				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	121				
Toluene	5.0	5.0	ND	5.0	ND	21-175	112				
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	116				
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	125				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	119				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	126				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	127				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	116				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	137				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	112				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	117				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	101				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	114				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		33392-028		33392-032		33392-033		33392-034	
Client Sample I.D.:		--		ADMIN5-25		ADMIN6-0		ADMIN6-5		ADMIN6-10	
Date Sampled:		--		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:		P99VOCS035		P99VOCS035		P99VOCS035		P99VOCS035		P99VOCS035	
Date Analyzed:		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ıe cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33392-028		33392-032		33392-033		33392-034	
Client Sample I.D.:		--		ADMIN5-25		ADMIN6-0		ADMIN6-5		ADMIN6-10	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	33392-035			33392-036		33392-037		33392-041		33392-042	
Client Sample I.D.:	ADMIN6-15			ADMIN6-20		ADMIN6-25		MNTNC3-0		MNTNC3-5	
Date Sampled:	02/22/99			02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:	P99VOCS035			P99VOCS035		P99VOCS035		P99VOCS035		P99VOCS035	
Date Analyzed:	03/01/99			03/01/99		03/01/99		03/01/99		03/01/99	
Analyst Initials:	SMC			SMC		SMC		SMC		SMC	
Dilution Factor:	1			1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33392-035		33392-036		33392-037		33392-041		33392-042	
Client Sample I.D.:		ADMIN6-15		ADMIN6-20		ADMIN6-25		MNTNC3-0		MNTNC3-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33392-043		33392-043Dup		LCS					
Client Sample I.D.:		MNTNC3-10		MNTNC3-10		---					
Date Sampled:		02/22/99		02/22/99		---					
QC Batch #:		P99VOCS035		P99VOCS035		P99VOCS035					
Date Analyzed:		03/01/99		03/01/99		03/01/99					
Analyst Initials:		SMC		SMC		SMC					
Dilution Factor:		1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	103				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	94				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	104				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	93				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	113				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	87				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	91				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	85				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	98				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	87				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	107				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	122				
hloromethane	5.0	5.0	ND	5.0	ND	21-175	94				
Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	91				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	87				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	90				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	99				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	110				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	112				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	94				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	92				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	92				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	68				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	123				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	113				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	127				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ne cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33392-043		33392-043Dup		LCS					
Client Sample I.D.:		MNTNC3-10		MNTNC3-10		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	125				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	106				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	89				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	120				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	101				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	86				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	84				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	92				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	89				
Methylene Chloride	15	15	ND	15	ND	21-175	125				
Methyl tert-Butyl Ether	5.0	5.0	ND	5.0	ND	21-175	127				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	94				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	91				
Styrene	5.0	5.0	ND	5.0	ND	21-175	84				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	87				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	99				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	87				
Toluene	5.0	5.0	ND	5.0	ND	21-175	93				
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	92				
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	93				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	120				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	111				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	105				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	103				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	98				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	90				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	92				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	98				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	86				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	Method Blank		33392-044		33392-045		33392-046		
Client Sample I.D.:	--		MNTNC3-15		MNTNC3-20		MNTNC3-25		
Date Sampled:	--		02/22/99		02/22/99		02/22/99		
QC Batch #:	P99VOCS036		P99VOCS036		P99VOCS036		P99VOCS036		
Date Analyzed:	03/01/99		03/01/99		03/01/99		03/01/99		
Analyst Initials:	SMC		SMC		SMC		SMC		
Dilution Factor:	1		1		1		1		
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
hloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

...e cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33392-044		33392-045		33392-046			
Client Sample I.D.:		--		MNTNC3-15		MNTNC3-20		MNTNC3-25			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results		
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND		
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND		
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:	LCS									
Client Sample I.D.:	--									
Date Sampled:	--									
QC Batch #:	P99VOCS036									
Date Analyzed:	03/01/99									
Analyst Initials:	SMC									
Dilution Factor:	1									

ANALYTE	MDL	limits	%rec	DLR	Results	DLR	Result	DLR	esult	DLR	Result
Benzene	5.0	21-175	122								
Bromobenzene	5.0	21-175	105								
Bromodichloromethane	5.0	21-175	124								
Bromoform	5.0	21-175	115								
Bromomethane	5.0	21-175	123								
n-Butylbenzene	5.0	21-175	95								
sec-Butylbenzene	5.0	21-175	97								
tert-Butylbenzene	5.0	21-175	93								
Carbon tetrachloride	5.0	21-175	118								
Chlorobenzene	5.0	21-175	111								
Chloroethane	5.0	21-175	119								
Chloroform	5.0	21-175	134								
hloromethane	5.0	21-175	103								
Chlorotoluene	5.0	21-175	102								
4-Chlorotoluene	5.0	21-175	95								
Dibromochloromethane	5.0	21-175	112								
1,2-Dibromo-3-chloropropane	10	21-175	111								
1,2-Dibromoethane	5.0	21-175	135								
Dibromomethane	5.0	21-175	131								
1,2-Dichlorobenzene	5.0	21-175	110								
1,3-Dichlorobenzene	5.0	21-175	105								
1,4-Dichlorobenzene	5.0	21-175	104								
Dichlorodifluoromethane	5.0	21-175	85								
1,1-Dichloroethane	5.0	21-175	141								
1,2-Dichloroethane	5.0	21-175	120								
1,1-Dichloroethene	5.0	21-175	127								
cis-1,2-Dichloroethene	5.0	21-175	137								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ne cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		LCS									
Client Sample I.D.:		--									
ANALYTE	MDL	limits	%rec	DLR	Results	DLR	Result	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	21-175	145								
1,2-Dichloropropane	5.0	21-175	123								
1,3-Dichloropropane	5.0	21-175	112								
2,2-Dichloropropane	5.0	21-175	130								
1,1-Dichloropropene	5.0	21-175	123								
Ethylbenzene	5.0	21-175	108								
Hexachlorobutadiene	5.0	21-175	95								
Isopropylbenzene	5.0	21-175	101								
p-Isopropyltoluene	5.0	21-175	97								
Methylene Chloride	15	21-175	140								
Naphthalene	5.0	21-175	104								
n-Propylbenzene	5.0	21-175	99								
Styrene	5.0	21-175	108								
1,1,1,2-Tetrachloroethane	5.0	21-175	111								
1,1,2,2-Tetrachloroethane	5.0	21-175	109								
Tetrachloroethene	5.0	21-175	107								
oluene	5.0	21-175	106								
,2,3-Trichlorobenzene	5.0	21-175	107								
1,2,4-Trichlorobenzene	5.0	21-175	108								
1,1,1-Trichloroethane	5.0	21-175	132								
1,1,2-Trichloroethane	5.0	21-175	130								
Trichloroethene	5.0	21-175	127								
Trichlorofluoromethane	5.0	21-175	128								
1,2,3-Trichloropropane	10	21-175	110								
1,2,4-Trimethylbenzene	5.0	21-175	100								
1,3,5-Trimethylbenzene	5.0	21-175	101								
Vinyl Chloride	5.0	21-175	112								
Xylenes (Total)	5.0	21-175	108								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/10/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Water**
Units:	**ug/L**

EPA Method 8260

Lab No.:	Method Blank		33392-007		33392-017		33392-029		33392-038	
Client Sample I.D.:	--		ADMIN1		ADMIN3		ADMIN5		ADMIN6	
Date Sampled:	--		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:	Q99VOCW043		Q99VOCW043		Q99VOCW043		Q99VOCW043		Q99VOCW043	
Date Analyzed:	02/24/99		02/24/99		02/24/99		02/24/99		02/24/99	
Analyst Initials:	EM		EM		EM		EM		EM	
Dilution Factor:	1		1		1		1		1	
ANALYTE	MD	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Bromobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Bromodichloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Bromoform	5	5	ND	5	ND	5	ND	5	ND	5	ND
Bromomethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
n-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
sec-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
tert-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Carbon tetrachloride	5	5	ND	5	ND	5	ND	5	ND	5	ND
Chlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Chloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Chloroform	5	5	ND	5	ND	5	ND	5	ND	5	ND
hloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
-Chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Dibromochloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Dibromomethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,4-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Dichlorodifluoromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-Dichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-Dichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
cis-1,2-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

e cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Water**
Units:	**ug/L**

EPA Method 8260

Lab No.:		Method Blank		33392-007		33392-017		33392-029		33392-038	
Client Sample I.D.:		--		ADMIN1		ADMIN3		ADMIN5		ADMIN6	
ANALYTE	MD	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
2,2-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-Dichloropropene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Ethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Hexachlorobutadiene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Isopropylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
p-Isopropyltoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5	5	ND	5	ND	5	ND	5	ND	5	ND
n-Propylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Styrene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,1,2-Tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,2,2-Tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Tetrachloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Toluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
2,3-Trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,4-Trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,1-Trichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,2-Trichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
Trichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Trichlorofluoromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3,5-Trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
Vinyl Chloride	5	5	ND	5	ND	5	ND	5	ND	5	ND
Xylenes (Total)	5	5	ND	5	ND	5	ND	5	ND	5	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Water**
Units:	**ug/L**

EPA Method 8260

Lab No.:			33392-047
Client Sample I.D.:			MNTNC3
Date Sampled:			02/22/99
QC Batch #:			Q99VOCW043
Date Analyzed:			02/24/99
Analyst Initials:			EM
Dilution Factor:			1
ANALYTE	**MDL**	**DLR**	**Results**
Benzene	5	5	ND
Bromobenzene	5	5	ND
Bromodichloromethane	5	5	ND
Bromoform	5	5	ND
Bromomethane	5	5	ND
n-Butylbenzene	5	5	ND
sec-Butylbenzene	5	5	ND
tert-Butylbenzene	5	5	ND
Carbon tetrachloride	5	5	ND
Chlorobenzene	5	5	ND
Chloroethane	5	5	ND
Chloroform	5	5	ND
Chloromethane	5	5	ND
2-Chlorotoluene	5	5	ND
4-Chlorotoluene	5	5	ND
Dibromochloromethane	5	5	ND
1,2-Dibromo-3-chloropropane	10	10	ND
1,2-Dibromoethane	5	5	ND
Dibromomethane	5	5	ND
1,2-Dichlorobenzene	5	5	ND
1,3-Dichlorobenzene	5	5	ND
1,4-Dichlorobenzene	5	5	ND
Dichlorodifluoromethane	5	5	ND
1,1-Dichloroethane	5	5	ND
1,2-Dichloroethane	5	5	ND
1,1-Dichloroethene	5	5	ND
cis-1,2-Dichloroethene	5	5	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Water
Units:	ug/L

EPA Method 8260

Lab No.:		33392-047	
Client Sample I.D.:		MNTNC3	
ANALYTE	MDL	DLR	Results
trans-1,2-Dichloroethene	5	5	ND
1,2-Dichloropropane	5	5	ND
1,3-Dichloropropane	5	5	ND
2,2-Dichloropropane	5	5	ND
1,1-Dichloropropene	5	5	ND
Ethylbenzene	5	5	ND
Hexachlorobutadiene	5	5	ND
Isopropylbenzene	5	5	ND
p-Isopropyltoluene	5	5	ND
Methylene Chloride	15	15	ND
Naphthalene	5	5	ND
n-Propylbenzene	5	5	ND
Styrene	5	5	ND
1,1,1,2-Tetrachloroethane	5	5	ND
1,1,2,2-Tetrachloroethane	5	5	ND
Tetrachloroethene	5	5	ND
Toluene	5	5	ND
1,2,3-Trichlorobenzene	5	5	ND
1,2,4-Trichlorobenzene	5	5	ND
1,1,1-Trichloroethane	5	5	ND
1,1,2-Trichloroethane	5	5	ND
Trichloroethene	5	5	ND
Trichlorofluoromethane	5	5	ND
1,2,3-Trichloropropane	10	10	ND
1,2,4-Trimethylbenzene	5	5	ND
1,3,5-Trimethylbenzene	5	5	ND
Vinyl Chloride	5	5	ND
Xylenes (Total)	5	5	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-03.D

	Spike Sample	Spike Duplicate Sample
File ID :	DMS0225B.D	DMD0225B.D
Sample :	33392-03 spike	33392-03 spike dup
Acq Time:	26 Feb 1999 12:41 am	26 Feb 1999 1:09 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	101	101	101	101	0	20	58-156
benzene	0.0	100	105	105	105	105	0	12	72-134
trichloroethene	0.0	100	110	108	110	108	2	16	55-145
toluene	0.0	100	90	90	90	90	0	16	73-127
chlorobenzene	0.0	100	96	96	96	96	0	11	80-119

)CBATCH#P99VOCS033

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Spike Recovery and RPD Summary Report - Soil (ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-27.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0226A.D	PMD0226A.D
Sample :	33392-27 spike	33392-27 spike dup
Acq Time:	27 Feb 1999 1:21 am	27 Feb 1999 1:48 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	119	110	119	110	7	20	58-156
benzene	0.0	100	117	109	117	109	7	12	72-134
trichloroethene	0.0	100	158	152	158#	152#	3	16	55-145
toluene	0.0	100	101	94	97	90	7	16	73-127
chlorobenzene	0.0	100	103	98	103	98	5	11	80-119

QCBATCH#P99VOCS034
= outside acceptability limits, data validated by LCS all compounds within limits.

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33392-43.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0301A.D	PMD0301A.D
Sample :	33392-43 spike	33392-43 spike dup
Acq Time:	1 Mar 1999 5:31 pm	1 Mar 1999 5:58 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	111	106	111	106	5	20	58-156
benzene	0.0	100	111	106	111	106	4	12	72-134
trichloroethene	0.0	100	140	137	140	137	3	16	55-145
toluene	0.0	100	95	92	93	90	4	16	73-127
chlorobenzene	0.0	100	101	99	101	99	2	11	80-119

QCBATCH#P99VOCS035

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-10.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0301B.D	PMD0301B.D
Sample :	33430-10 spike	33430-10 spike dup
Acq Time:	2 Mar 1999 1:30 am	2 Mar 1999 1:57 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	117	111	117	111	4	20	58-156
benzene	0.0	100	116	110	116	110	5	12	72-134
trichloroethene	0.0	100	123	115	123	115	7	16	55-145
toluene	0.0	100	97	92	97	92	5	16	73-127
chlorobenzene	0.0	100	101	99	101	99	2	11	80-119

QCBATCH#P99VOCS036

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER (ug/l)

Method : C:\HPCHEM\1\METHODS\QW990210.M
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Mon Feb 15 13:25:56 1999
Response via : Initial Calibration

Non-Spiked Sample: QB0224C.D

	Spike Sample	Spike Duplicate Sample
File ID :	QL0224A.D	QL0224B.D
Sample :	LCS 50 PPB 8260 (V2W20216)	LCS DUP 50 PPB 8260 (V2W20216)
Acq Time:	24 Feb 99 2:24 pm	24 Feb 99 2:52 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	50	47	56	95	113	17	21	61-151
benzene	0.0	50	47	52	94	105	11	15	73-131
trichloroethene	0.0	50	44	50	88	100	13	15	72-128
toluene	0.0	50	47	52	94	105	11	14	63-140
chlorobenzene	0.0	50	46	51	91	102	11	11	81-115

QC BATCH #Q99VOCW043

Reviewed and Approved by: _____ Date: 3/10/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil

METHOD 8015M (Gasoline)

Lab No.:			Method Blank		33392-001		33392-002		33392-003		33392-003Dup		33392-004		33392-005		33392-010		33392-011	
Client Sample I.D.:			----		ADMIN1-0		ADMIN1-5		ADMIN1-10		ADMIN1-10		ADMIN1-15		ADMIN1-25		ADMIN2-0		ADMIN3-0	
Date Sampled:			----		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:			I998G20S062		I998G20S062		I998G20S062		I998G20S062		I998G20S062		I998G20S062		I998G20S062		I998G20S062		I998G20S062	
Date Analyzed:			03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99	
Analyst Initials:			EM		EM		EM		EM		EM		EM		EM		EM		EM	
Dilution Factor:			1		1		1		1		1		1		1		1		1	
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Lab No.:			33392-012		33392-013		33392-014		LCS											
Client Sample I.D.:			ADMIN3-5		ADMIN3-10		ADMIN3-15		---											
Date Sampled:			02/22/99		02/22/99		02/22/99		---											
QC Batch #:			I998G20S062		I998G20S062		I998G20S062		I998G20S062											
Date Analyzed:			03/02/99		03/02/99		03/02/99		03/02/99											
Analyst Initials:			EM		EM		EM		EM											
Dilution Factor:			1.0		1.0		1.0		1.0											
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	LIMITS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	38-146	90										

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____

Lee Ingvaldson, Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil

METHOD 8015M (Gasoline)

Lab No.:			Method Blank		33392-015		33392-016		33392-020		33392-021		33392-022		33392-023		33392-024		33392-025	
Client Sample I.D.:			----		ADMIN3-20		ADMIN3-25		ADMIN4-0		ADMIN4-5		ADMIN4-10		ADMIN5-0		ADMIN5-5		ADMIN5-10	
Date Sampled:			----		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:			I998G20S063		I998G20S063		I998G20S063		I998G20S063		I998G20S063		I998G20S063		I998G20S063		I998G20S063		I998G20S063	
Date Analyzed:			03/01/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Analyst Initials:			EM		EM		EM		EM		EM		EM		EM		EM		EM	
Dilution Factor:			1		1		1		1		1		1		1		1		1	
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Lab No.:			33392-025Dup		33392-026		33392-027		LCS											
Client Sample I.D.:			ADMIN5-10		ADMIN5-15		ADMIN5-20		---											
Date Sampled:			02/22/99		02/22/99		02/22/99		---											
QC Batch #:			I998G20S063		I998G20S063		I998G20S063		I998G20S063											
Date Analyzed:			03/02/99		03/02/99		03/02/99		03/02/99											
Analyst Initials:			EM		EM		EM		EM											
Dilution Factor:			1.0		1.0		1.0		1.0											
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	LIMITS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	38-146	86										

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____

Lee Ingvaldson, Department Supervisor

Date: 03/11/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil

METHOD 8015M (Gasoline)

Lab No.:			Method Blank		33392-028		33392-032		33392-033		33392-033Dup		LCS							
Client Sample I.D.:			----		ADMIN5-25		ADMIN6-0		ADMIN6-5		ADMIN6-5		---							
Date Sampled:			----		02/22/99		02/22/99		02/22/99		02/22/99		---							
QC Batch #:			I998G20S064		I998G20S064		I998G20S064		I998G20S064		I998G20S064		I998G20S064							
Date Analyzed:			03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99							
Analyst Initials:			EM		EM		EM		EM		EM		EM							
Dilution Factor:			1		1		1		1		1		1							
Analyte	**MDL**	**Units**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**LIMITS**	**%REC**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	38-146	87						

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____

Lee Ingvaldson, Department Supervisor

Date: 03/11/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil

METHOD 8015M (Gasoline)

Lab No.:	Method Blank	33392-034	33392-035	33392-036	33392-037	33392-041	33392-042	33392-043	33392-044
Client Sample I.D.:	----	ADMIN6-10	ADMIN6-15	ADMIN6-20	ADMIN6-25	MNTNC3-0	MNTNC3-5	MNTNC3-10	MNTNC3-15
Date Sampled:	----	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
QC Batch #:	I998G20S065	I998G20S065	I998G20S065	I998G20S065	I998G20S065	I998G20S065	I998G20S065	I998G20S065	I998G20S065
Date Analyzed:	03/02/99	03/02/99	03/02/99	03/02/99	03/03/99	03/03/99	03/03/99	03/03/99	03/03/99
Analyst Initials:	EM	EM	EM	EM	EM	EM	EM	EM	EM
Dilution Factor:	1	1	1	1	1	1	1	1	1

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Lab No.:	33392-045	33392-045Dup	33392-046	LCS
Client Sample I.D.:	MNTNC3-20	MNTNC3-20	MNTNC3-25	---
Date Sampled:	02/22/99	02/22/99	02/22/99	---
QC Batch #:	I998G20S065	I998G20S065	I998G20S065	I998G20S065
Date Analyzed:	03/03/99	03/03/99	03/03/99	03/03/99
Analyst Initials:	EM	EM	EM	EM
Dilution Factor:	1	1	1	1

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	38-146	83												

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 03/11/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Water

METHOD 8015M (Gasoline)

Lab No.:			Method Blank		33392-007		33392-007Dup		33392-017		33392-029		33392-038		33392-047		LCS					
Client Sample I.D.:			----		ADMIN1		ADMIN1		ADMIN3		ADMIN5		ADMIN6		MNTNC3		---					
Date Sampled:			----		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99		---					
QC Batch #:			E998G20W027		E998G20W027		E998G20W027		E998G20W027		E998G20W027		E998G20W027		E998G20W027		E998G20W027					
Date Analyzed:			02/25/99		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99					
Analyst Initials:			DJK		DJK		DJK		DJK		DJK		DJK		DJK		DJK					
Dilution Factor:			1		1		1		1		1		1		1		1					
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	% Rec.	DLR	Results		
TPH (Gas)	0.05	mg/l	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	57-129	103				

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\I990224.M (RTE Integrator)
Title : 8015GAS/ 8020(BTXE)
Last Update : Fri Feb 26 13:28:37 1999
Response via : Initial Calibration

Non-Spiked Sample: IB0301C.D

	Spike Sample	Spike Duplicate Sample
File ID :	IL0301C.D	IL0301D.D
Sample :	I998G20S062 LCS 3PPM	I998G20S062 LCS DUP 3PPM
Acq Time:	2 Mar 1999 1:38 am	2 Mar 1999 2:03 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	5.0	4.5	4.4	90	88	2.2	21	41-151

QC BATCH #I998G20S062

Reviewed and Approved by: _____ Date: 03/10/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\I990224.M (RTE Integrator)
Title : 8015GAS/ 8020(BTXE)
Last Update : Fri Feb 26 13:28:37 1999
Response via : Initial Calibration

Non-Spiked Sample: IB0301D.D

	Spike Sample	Spike Duplicate Sample
File ID :	IL0301E.D	IL0301F.D
Sample :	I998G20S063 LCS 3PPM	I998G20S063 LCS DUP 3PPM
Acq Time:	2 Mar 1999 1:46 pm	2 Mar 1999 2:11 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline (mg/kg)	0.0	5.0	4.3	4.3	86	86	0	21	41-151

QC BATCH #I998G20S063

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Method : C:\HPCHEM\1\METHODS\I990224.M (RTE Integrator)
Title : 8015GAS/ 8020(BTXE)
Last Update : Fri Feb 26 13:28:37 1999
Response via : Initial Calibration

Non-Spiked Sample: IB0302A.D

	Spike Sample	Spike Duplicate Sample
File ID :	IL0302A.D	IL0303A.D
Sample :	I998G20S064 LCS 3PPM	I998G20S064 LCS DUP 3PPM
Acq Time:	2 Mar 1999 9:09 pm	2 Mar 1999 9:34 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	3	3	3	83	86	3	21	41-151

QC BATCH #I998G20S064

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method : C:\HPCHEM\1\METHODS\I990224.M (RTE Integrator)
Title : 8015GAS/ 8020(BTXE)
Last Update : Fri Feb 26 13:28:37 1999
Response via : Initial Calibration

Non-Spiked Sample: IB0302B.D

	Spike Sample	Spike Duplicate Sample
File ID :	IL0303C.D	IL0304C.D
Sample :	I998G20S065 LCS 3PPM	I998G20S065 LCS DUP 3PPM
Acq Time:	3 Mar 1999 3:24 am	3 Mar 1999 3:49 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	3	2	2	81	72	12	21	41-151

QC BATCH #I998G20S065

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Spike Recovery and RPD Summary Report WATER (mg/L)

Method : C:\HPCHEM\1\METHODS\EGBW0216.M (RTE Integrator)
Title : EPA M8015 (Gasoline) / EPA 602 (BTEX)
Last Update : Fri Feb 26 13:24:38 1999
Response via : Initial Calibration

Non-Spiked Sample: EB0225B.D

	Spike Sample	Spike Duplicate Sample
File ID :	EMS0225A.D	EMD0225A.D
Sample :	E998G20W027 BLANK MS (VIW-30119)	E998G20W027 BLANK MSD (VIW-30119
Acq Time:	26 Feb 1999 10:03 am	26 Feb 1999 10:30 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	ND	1	1	1	93	109	16	18	54-135
Benzene	ND	10	8	9	85	92	8	15	59-134
Toluene	ND	50	58	65	116	130	12	15	59-146

QC Batch#:E998G20W027

Reviewed and Approved by: _____ Date: 03/10/99
Lee Ingvaldson
Organics Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B Date Amended: 03/17/99

EPA Method 8270C

Lab No.:	Method Blank	33392-001	33392-002	33392-003	33392-004	33392-005
Client Sample I.D.:	--	ADMIN1-0	ADMIN1-5	ADMIN1-10	ADMIN1-15	ADMIN1-25
Date Sampled:	--	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
QC Batch #:	S998270S033	S998270S033	S998270S033	S998270S033	S998270S033	S998270S033
Date Extracted:	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99
Date Analyzed:	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	10 #	100 #	1	1	1

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	6600	ND	66000	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	6600	ND	66000	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	6600	ND	66000	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	6600	ND	66000	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit # = Matrix requires dilution
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B Date Amended: 03/17/99

EPA Method 8270C

Lab No.:		Method Blank		33392-001		33392-002		33392-003		33392-004		33392-005	
Client Sample I.D.:		---		ADMIN1-0		ADMIN1-5		ADMIN1-10		ADMIN1-15		ADMIN1-25	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	17000	ND	170000	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	6600	ND	66000	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	3300	ND	33000	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/17/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	LCS	33392-014									
Client Sample I.D.:	--	--	ADMIN3-15									
Date Sampled:	--	--	02/22/99									
QC Batch #:	S998270S033	S998270S033	S998270S033									
Date Extracted:	--	--	02/25/99									
Date Analyzed:	03/01/99	03/01/99	03/01/99									
Analyst Initials:	ZL	ZL	ZL									
Dilution Factor:	1	1	1									

ANALYTE	MDL	DLR	Results	LIMITS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	11-182	63	330	ND						
bis (2-Chloroethyl)ether	330	330	ND	11-182	72	330	ND						
2-Chlorophenol	330	330	ND	11-182	65	330	ND						
1,3-Dichlorobenzene	330	330	ND	11-182	114	330	ND						
1,4-Dichlorobenzene	330	330	ND	11-182	117	330	ND						
Benzyl Alcohol	660	660	ND	11-182	130	660	ND						
1,2-Dichlorobenzene	330	330	ND	11-182	122	330	ND						
2-Methylphenol	330	330	ND	11-182	71	330	ND						
bis(2-chloroisopropyl)ether	330	330	ND	11-182	80	330	ND						
n-Nitroso-di-n-propylamine	330	330	ND	11-182	87	330	ND						
4-Methylphenol	330	330	ND	11-182	74	330	ND						
Hexachloroethane	330	330	ND	11-182	122	330	ND						
Nitrobenzene	330	330	ND	11-182	126	330	ND						
Isophorone	330	330	ND	11-182	155	330	ND						
2-Nitrophenol	330	330	ND	11-182	73	330	ND						
2,4-Dimethylphenol	330	330	ND	11-182	75	330	ND						
bis(2-Chloroethoxy)methane	330	330	ND	11-182	78	330	ND						
2,4-Dichlorophenol	1700	1700	ND	11-182	73	1700	ND						
Benzoic Acid	1700	1700	ND	11-182	167	1700	ND						
1,2,4-Trichlorobenzene	330	330	ND	11-182	117	330	ND						
Naphthalene	330	330	ND	11-182	75	330	ND						
4-Chloroaniline	660	660	ND	11-182	49	660	ND						
Hexachlorobutadiene	330	330	ND	11-182	120	330	ND						
4-Chloro-3-methylphenol	660	660	ND	11-182	84	660	ND						
2-Methylnaphthalene	330	330	ND	11-182	122	330	ND						
Hexachlorocyclopentadiene	660	660	ND	11-182	148	660	ND						
2,4,6-Trichlorophenol	330	330	ND	11-182	78	330	ND						
2,4,5-Trichlorophenol	330	330	ND	11-182	82	330	ND						
2-Chloronaphthalene	330	330	ND	11-182	123	330	ND						
2-Nitroaniline	1700	1700	ND	11-182	77	1700	ND						
Dimethylphthalate	330	330	ND	11-182	85	330	ND						
Acenaphthylene	330	330	ND	11-182	80	330	ND						
2,6-Dinitrotoluene	330	330	ND	11-182	145	330	ND						
3-Nitroaniline	1700	1700	ND	11-182	95	1700	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		LCS		33392-014							
Client Sample I.D.:		---		---		ADMIN3-15							
ANALYTE	MDL	DLR	Results	LIMITS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	11-182	77	330	ND						
2,4-Dinitrophenol	1700	1700	ND	11-182	72	1700	ND						
Dibenzofuran	330	330	ND	11-182	123	330	ND						
4-Nitrophenol	1700	1700	ND	11-182	136	1700	ND						
2,4-Dinitrotoluene	330	330	ND	11-182	143	330	ND						
Fluorene	330	330	ND	11-182	80	330	ND						
Diethylphthalate	330	330	ND	11-182	83	330	ND						
4-Chlorophenyl-phenyl ether	330	330	ND	11-182	77	330	ND						
4-Nitroaniline	1700	1700	ND	11-182	137	1700	ND						
4,6-Dinitro-2-methylphenol	1700	1700	ND	11-182	109	1700	ND						
n-Nitrosodiphenylamine	330	330	ND	11-182	98	330	ND						
4-Bromophenyl-phenyl ether	330	330	ND	11-182	85	330	ND						
Hexachlorobenzene	330	330	ND	11-182	159	330	ND						
Pentachlorophenol	1700	1700	ND	11-182	126	1700	ND						
Phenanthrene	330	330	ND	11-182	92	330	ND						
Anthracene	330	330	ND	11-182	92	330	ND						
Di-n-butylphthalate	330	330	ND	11-182	94	330	ND						
Fluoranthene	330	330	ND	11-182	93	330	ND						
Pyrene	330	330	ND	11-182	91	330	ND						
Butylbenzylphthalate	330	330	ND	11-182	88	330	ND						
Benzo[a]anthracene	330	330	ND	11-182	88	330	ND						
3,3'-Dichlorobenzidine	660	660	ND	11-182	111	660	ND						
Chrysene	330	330	ND	11-182	86	330	ND						
bis(2-Ethylhexyl)phthalate	330	330	ND	11-182	88	330	ND						
Di-n-octylphthalate	330	330	ND	11-182	89	330	ND						
Benzo[b]fluoranthene	330	330	ND	11-182	87	330	ND						
Benzo[k]fluoranthene	330	330	ND	11-182	86	330	ND						
Benzo[a]pyrene	330	330	ND	11-182	91	330	ND						
Indeno[1,2,3-cd]pyrene	330	330	ND	11-182	95	330	ND						
Dibenz[a,h,]anthracene	330	330	ND	11-182	102	330	ND						
Benzo[g,h,i]perylene	330	330	ND	11-182	97	330	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/11/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		LCS		33392-016							
Client Sample I.D.:	--		--		ADMIN3-25							
Date Sampled:	--		--		02/22/99							
QC Batch #:	R988270S034		R988270S034		R988270S034							
Date Extracted:	--		--		02/02/99							
Date Analyzed:	03/02/99		03/02/99		03/02/99							
Analyst Initials:	ZL		ZL		ZL							
Dilution Factor:	1		1		1							
ANALYTE	MDL	DLR	Results	LIMIT	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	11-182	72	330	ND						
bis (2-Chloroethyl)ether	330	330	ND	11-182	76	330	ND						
2-Chlorophenol	330	330	ND	11-182	70	330	ND						
1,3-Dichlorobenzene	330	330	ND	11-182	107	330	ND						
1,4-Dichlorobenzene	330	330	ND	11-182	108	330	ND						
Benzyl Alcohol	660	660	ND	11-182	78	660	ND						
1,2-Dichlorobenzene	330	330	ND	11-182	116	330	ND						
2-Methylphenol	330	330	ND	11-182	75	330	ND						
bis(2-chloroisopropyl)ether	330	330	ND	11-182	76	330	ND						
n-Nitroso-di-n-propylamine	330	330	ND	11-182	72	330	ND						
4-Methylphenol	330	330	ND	11-182	75	330	ND						
Hexachloroethane	330	330	ND	11-182	112	330	ND						
Nitrobenzene	330	330	ND	11-182	116	330	ND						
Isophorone	330	330	ND	11-182	118	330	ND						
2-Nitrophenol	330	330	ND	11-182	66	330	ND						
2,4-Dimethylphenol	330	330	ND	11-182	72	330	ND						
bis(2-Chloroethoxy)methane	330	330	ND	11-182	69	330	ND						
2,4-Dichlorophenol	1700	1700	ND	11-182	67	1700	ND						
Benzoic Acid	1700	1700	ND	11-182	140	1700	ND						
1,2,4-Trichlorobenzene	330	330	ND	11-182	103	330	ND						
Naphthalene	330	330	ND	11-182	68	330	ND						
4-Chloroaniline	660	660	ND	11-182	50	660	ND						
Hexachlorobutadiene	330	330	ND	11-182	102	330	ND						
4-Chloro-3-methylphenol	660	660	ND	11-182	71	660	ND						
2-Methylnaphthalene	330	330	ND	11-182	103	330	ND						
Hexachlorocyclopentadiene	660	660	ND	11-182	125	660	ND						
2,4,6-Trichlorophenol	330	330	ND	11-182	70	330	ND						
2,4,5-Trichlorophenol	330	330	ND	11-182	75	330	ND						
2-Chloronaphthalene	330	330	ND	11-182	117	330	ND						
2-Nitroaniline	1700	1700	ND	11-182	76	1700	ND						
Dimethylphthalate	330	330	ND	11-182	78	330	ND						
Acenaphthylene	330	330	ND	11-182	76	330	ND						
2,6-Dinitrotoluene	330	330	ND	11-182	135	330	ND						
3-Nitroaniline	1700	1700	ND	11-182	76	1700	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		LCS		33392-016							
Client Sample I.D.:		---		---		ADMIN3-25							
ANALYTE	MDL	DLR	Results	LIMIT	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	11-182	71	330	ND						
2,4-Dinitrophenol	1700	1700	ND	11-182	0	1700	ND						
Dibenzofuran	330	330	ND	11-182	113	330	ND						
4-Nitrophenol	1700	1700	ND	11-182	79	1700	ND						
2,4-Dinitrotoluene	330	330	ND	11-182	132	330	ND						
Fluorene	330	330	ND	11-182	76	330	ND						
Diethylphthalate	330	330	ND	11-182	76	330	ND						
4-Chlorophenyl-phenyl ether	330	330	ND	11-182	72	330	ND						
4-Nitroaniline	1700	1700	ND	11-182	96	1700	ND						
4,6-Dinitro-2-methylphenol	1700	1700	ND	11-182	69	1700	ND						
n-Nitrosodiphenylamine	330	330	ND	11-182	79	330	ND						
4-Bromophenyl-phenyl ether	330	330	ND	11-182	67	330	ND						
Hexachlorobenzene	330	330	ND	11-182	120	330	ND						
Pentachlorophenol	1700	1700	ND	11-182	88	1700	ND						
Phenanthrene	330	330	ND	11-182	78	330	ND						
Anthracene	330	330	ND	11-182	77	330	ND						
Di-n-butylphthalate	330	330	ND	11-182	79	330	ND						
Fluoranthene	330	330	ND	11-182	83	330	ND						
Pyrene	330	330	ND	11-182	80	330	ND						
Butylbenzylphthalate	330	330	ND	11-182	81	330	ND						
Benzo[a]anthracene	330	330	ND	11-182	78	330	ND						
3,3'-Dichlorobenzidine	660	660	ND	11-182	86	660	ND						
Chrysene	330	330	ND	11-182	78	330	ND						
bis(2-Ethylhexyl)phthalate	330	330	ND	11-182	78	330	ND						
Di-n-octylphthalate	330	330	ND	11-182	80	330	ND						
Benzo[b]fluoranthene	330	330	ND	11-182	79	330	ND						
Benzo[k]fluoranthene	330	330	ND	11-182	83	330	ND						
Benzo[a]pyrene	330	330	ND	11-182	82	330	ND						
Indeno[1,2,3-cd]pyrene	330	330	ND	11-182	79	330	ND						
Dibenz[a,h,]anthracene	330	330	ND	11-182	86	330	ND						
Benzo[g,h,i]perylene	330	330	ND	11-182	80	330	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-015		33392-21		33392-022		33392-023		33392-024	
Client Sample I.D.:		--		ADMIN3-20		ADMIN4-5		ADMIN4-10		ADMIN5-0		ADMIN5-5	
Date Sampled:		--		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:		R988270S034		R988270S034		R988270S034		R988270S034		R988270S034		R988270S034	
Date Extracted:		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99	
Date Analyzed:		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Analyst Initials:		ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-015		33392-21		33392-022		33392-023		33392-024	
Client Sample I.D.:		---		ADMIN3-20		ADMIN4-5		ADMIN4-10		ADMIN5-0		ADMIN5-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33392-025		33392-026		33392-027		33392-020			
Client Sample I.D.:	--		ADMIN5-10		ADMIN5-15		ADMIN5-20		ADMIN4-0			
Date Sampled:	--		02/22/99		02/22/99		02/22/99		02/22/99			
QC Batch #:	R988270S034		R988270S034		R988270S034		R988270S034		R988270S034			
Date Extracted:	02/25/99		02/25/99		02/25/99		02/25/99		02/25/99			
Date Analyzed:	03/02/99		03/02/99		03/02/99		03/02/99		03/02/99			
Analyst Initials:	ZL		ZL		ZL		ZL		ZL			
Dilution Factor:	1		1		1		1		1			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND		
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND		
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND		
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND		
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-025		33392-026		33392-027		33392-020			
Client Sample I.D.:		---		ADMIN5-10		ADMIN5-15		ADMIN5-20		ADMIN4-0			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND		
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 3/16/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33392-028		33392-032		33392-033		33392-033Dup		33392-041	
Client Sample I.D.:	--		ADMIN5-25		ADMIN6-0		ADMIN6-5		ADMIN6-5		MNTNC3-0	
Date Sampled:	--		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:	R998270S035		R998270S035		R998270S035		R998270S035		R998270S035		R998270S035	
Date Extracted:	02/26/99		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99	
Date Analyzed:	03/04/99		03/02/99		03/02/99		03/02/99		03/02/99		03/03/99	
Analyst Initials:	ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:	1		1		10 *		1		1		10 *	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2-Chlorophenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzyl Alcohol	660	660	ND	660	ND	6600	ND	660	ND	660	ND	6600	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2-Methylphenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Methylphenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Hexachloroethane	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Nitrobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Isophorone	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2-Nitrophenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2,4-Dimethylphenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
Benzoic Acid	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Naphthalene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Chloroaniline	660	660	ND	660	ND	6600	ND	660	ND	660	ND	6600	ND
Hexachlorobutadiene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	6600	ND	660	ND	660	ND	6600	ND
2-Methylnaphthalene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	6600	ND	660	ND	660	ND	6600	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2-Chloronaphthalene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2-Nitroaniline	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
Dimethylphthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Acenaphthylene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
3-Nitroaniline	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
* = Matrix requires dilution
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-028		33392-032		33392-033		33392-033Dup		33392-041	
Client Sample I.D.:		---		ADMIN5-25		ADMIN6-0		ADMIN6-5		ADMIN6-5		MNTNC3-0	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
Dibenzofuran	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Nitrophenol	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Fluorene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Diethylphthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Nitroaniline	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Hexachlorobenzene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Pentachlorophenol	1700	1700	ND	1700	ND	17000	ND	1700	ND	1700	ND	17000	ND
Phenanthrene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Anthracene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Di-n-butylphthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Fluoranthene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Pyrene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Butylbenzylphthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzo[a]anthracene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	6600	ND	660	ND	660	ND	6600	ND
Chrysene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Di-n-octylphthalate	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzo[a]pyrene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	3300	ND	330	ND	330	ND	3300	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(a) - Sample required a 1:10 dilution.

Approved/Reviewed By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	33392-034	33392-035	33392-036	33392-037	LCS
Client Sample I.D.:	--	ADMIN6-10	ADMIN6-15	ADMIN6-20	ADMIN6-25	---
Date Sampled:	--	02/22/99	02/22/99	02/22/99	02/22/99	---
QC Batch #:	R998270S035	R998270S035	R998270S035	R998270S035	R998270S035	R998270S035
Date Extracted:	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99
Date Analyzed:	03/04/99	03/02/99	03/02/99	03/03/99	03/03/99	03/03/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	1	1	1	1	1

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	LMIT	%REC
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	29
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	67
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	61
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	87
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	94
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	11-182	60
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	101
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	55
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	74
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	74
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	55
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	88
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	117
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	127
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	67
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	68
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	73
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	67
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	27
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	101
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	69
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	11-182	53
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	89
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	11-182	68
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	106
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	11-182	131
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	70
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	73
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	116
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	73
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	79
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	74
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	131
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	72

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-034		33392-035		33392-036		33392-037		LCS	
Client Sample I.D.:		---		ADMIN6-10		ADMIN6-15		ADMIN6-20		ADMIN6-25		---	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	IMIT	%REC
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	112
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	24
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	129
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	73
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	74
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	71
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	80
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	93
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	77
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	68
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	122
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	11-182	77
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	77
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	77
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	81
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	81
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	79
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	11-182	82
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	77
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	67
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	73
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	78
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	77
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	90
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	96
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	11-182	97

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33392-042		33392-043							
Client Sample I.D.:	--		MNTNC3-5		MNTNC3-10							
Date Sampled:	--		02/22/99		02/22/99							
QC Batch #:	R998270S035		R998270S035		R998270S035							
Date Extracted:	02/26/99		02/26/99		02/26/99							
Date Analyzed:	03/04/99		03/03/99		03/03/99							
Analyst Initials:	ZL		ZL		ZL							
Dilution Factor:	1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND						
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND						
2-Chlorophenol	330	330	ND	330	ND	330	ND						
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND						
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND						
Benzyl Alcohol	660	660	ND	660	ND	660	ND						
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND						
2-Methylphenol	330	330	ND	330	ND	330	ND						
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND						
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND						
4-Methylphenol	330	330	ND	330	ND	330	ND						
Hexachloroethane	330	330	ND	330	ND	330	ND						
Nitrobenzene	330	330	ND	330	ND	330	ND						
Isophorone	330	330	ND	330	ND	330	ND						
2-Nitrophenol	330	330	ND	330	ND	330	ND						
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND						
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND						
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND						
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND						
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND						
Naphthalene	330	330	ND	330	ND	330	ND						
4-Chloroaniline	660	660	ND	660	ND	660	ND						
Hexachlorobutadiene	330	330	ND	330	ND	330	ND						
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND						
2-Methylnaphthalene	330	330	ND	330	ND	330	ND						
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND						
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND						
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND						
2-Chloronaphthalene	330	330	ND	330	ND	330	ND						
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND						
Dimethylphthalate	330	330	ND	330	ND	330	ND						
Acenaphthylene	330	330	ND	330	ND	330	ND						
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND						
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-042		33392-043							
Client Sample I.D.:		---		MNTNC3-5		MNTNC3-10							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND						
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND						
Dibenzofuran	330	330	ND	330	ND	330	ND						
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND						
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND						
Fluorene	330	330	ND	330	ND	330	ND						
Diethylphthalate	330	330	ND	330	ND	330	ND						
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND						
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND						
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND						
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND						
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND						
Hexachlorobenzene	330	330	ND	330	ND	330	ND						
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND						
Phenanthrene	330	330	ND	330	ND	330	ND						
Anthracene	330	330	ND	330	ND	330	ND						
Di-n-butylphthalate	330	330	ND	330	ND	330	ND						
Fluoranthene	330	330	ND	330	ND	330	ND						
Pyrene	330	330	ND	330	ND	330	ND						
Butylbenzylphthalate	330	330	ND	330	ND	330	ND						
Benzo[a]anthracene	330	330	ND	330	ND	330	ND						
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND						
Chrysene	330	330	ND	330	ND	330	ND						
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND						
Di-n-octylphthalate	330	330	ND	330	ND	330	ND						
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND						
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND						
Benzo[a]pyrene	330	330	ND	330	ND	330	ND						
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND						
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND						
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33392-044		33392-044Dup		33392-045		33392-046			
Client Sample I.D.:	--		MNTNC3-15		MNTNC3-15		MNTNC3-20		MNTNC3-25			
Date Sampled:	--		02/22/99		02/22/99		02/22/99		02/22/99			
QC Batch #:	S998270S036		S998270S036		S998270S036		S998270S036		S998270S036			
Date Extracted:	03/02/99		03/03/99		03/03/99		03/03/99		03/03/99			
Date Analyzed:	03/02/99		03/03/99		03/03/99		03/03/99		03/03/99			
Analyst Initials:	ZL		ZL		ZL		ZL		ZL			
Dilution Factor:	1		1		1		1		1			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND		
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND		
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND		
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND		
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		Method Blank		33392-044		33392-044Dup		33392-045		33392-046			
Client Sample I.D.:		---		MNTNC3-15		MNTNC3-15		MNTNC3-20		MNTNC3-25			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND		
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND		
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND		
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND		
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/10/99

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Water**
Units:	**µg/l**
Extraction Method:	**3510C**

EPA Method 8270C

Lab No.:		Method Blank		33392-006		33392-018		33392-030		33392-039		33392-048	
Client Sample I.D.:		--		ADMIN1		ADMIN3		ADMIN5		ADMIN6		MNTNC3	
Date Sampled:		--		02/22/99		02/22/99		02/22/99		02/22/99		02/22/99	
QC Batch #:		S998270W031		S998270W031		S998270W031		S998270W031		S998270W031		S998270W031	
Date Extracted:		02/24/99		02/24/99		02/24/99		02/24/99		02/24/99		02/24/99	
Date Analyzed:		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99		02/25/99	
Analyst Initials:		ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
bis (2-Chloroethyl)ether	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
1,3-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
1,4-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzyl Alcohol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-chloroisopropyl)ether	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
n-Nitroso-di-n-propylamine	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachloroethane	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Nitrobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Isophorone	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitrophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dimethylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Chloroethoxy)methane	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzoic Acid	50	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
1,2,4-Trichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Naphthalene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobutadiene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chloro-3-methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Methylnaphthalene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorocyclopentadiene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,6-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,4,5-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Chloronaphthalene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Dimethylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Acenaphthylene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,6-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
3-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		33392-006		33392-018		33392-030		33392-039		33392-048	
Client Sample I.D.:		—		ADMIN1		ADMIN3		ADMIN5		ADMIN6		MNTNC3	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
2,4-Dinitrophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND
Dibenzofuran	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitrophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND
2,4-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Fluorene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Diethylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Chlorophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4,6-Dinitro-2-methylphenol	20	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND
n-Nitrosodiphenylamine	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
4-Bromophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Hexachlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Pentachlorophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND
Phenanthrene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-butylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Butylbenzylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo[a]anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
3,3'-Dichlorobenzidine	20	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND
Chrysene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
bis(2-Ethylhexyl)phthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Di-n-octylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo[a]pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/11/99

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (ug/Kg)

Method : D:\HPCHEM\1\METHODS\8270D.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Mon Mar 01 09:45:14 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0301A.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0301A.D	SMD0301A.D
Sample :	MSBLANK S998270S033	MSBLANK S998270S033
Acq Time:	1 Mar 1999 7:23 pm	1 Mar 1999 7:59 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	124	117	62	58	6	21	12- 78
2-Chlorophenol	0.0	200	146	138	73	69	6	24	30- 91
1,4-Dichlorobenzene	0.0	100	87	81	87	81	7	18	36- 87
N-Nitroso-di-n-propy	0.0	100	94	89	94	89	6	21	31-114
1,2,4-Trichlorobenze	0.0	100	96	90	96	90	7	18	38-100
4-Chloro-3-methylphe	0.0	200	173	165	87	82	5	16	35-102
Acenaphthene	0.0	100	93	92	93	92	2	17	46- 94
4-Nitrophenol	0.0	200	162	149	81	75	8	58	10- 91
2,4-Dinitrotoluene	0.0	100	114	114	114	114	0	20	42-115
Pentachlorophenol	0.0	200	214	207	107	103	3	51	8-125
Pyrene	0.0	100	112	114	112	114	1	16	36-114

QC Batch #S998270S033

Reviewed/Approved By: _____ Date: 03/09/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (ug/Kg)

Method : C:\HPCHEM\1\METHODS\8270G.M
Title : 8270C Advanced Technology Laboratory
Last Update : Wed Mar 03 16:05:59 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0302A.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0302A.D	RMD0302A.D
Sample :	MSBLANK R998270S034	MSBLANK R998270S034
Acq Time:	2 Mar 99 1:18 pm	2 Mar 99 2:01 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.5	200	146	140	73	70	4	21	12- 78
2-Chlorophenol	0.1	200	148	144	74	72	3	24	30- 91
1,4-Dichlorobenzene	0.0	100	71	67	71	67	6	18	36- 87
N-Nitroso-di-n-propy	0.1	100	85	79	85	79	8	21	31-114
1,2,4-Trichlorobenze	0.0	100	76	72	76	72	6	18	38-100
4-Chloro-3-methylphe	0.0	200	146	145	73	73	0	16	35-102
Acenaphthene	0.1	100	78	78	78	78	0	17	46- 94
4-Nitrophenol	0.6	200	163	163	81	81	0	58	10- 91
2,4-Dinitrotoluene	0.0	100	86	86	86	86	0	20	42-115
Pentachlorophenol	0.0	200	168	169	84	84	0	51	8-125
Pyrene	0.1	100	86	87	86	86	1	16	36-114

ATCH QC# R998270S034

eviewed/Approved by: _____ Date: 03/10/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL (ug/Kg)

Method : C:\HPCHEM\1\METHODS\8270G.M
Title : 8270C Advanced Technology Laboratory
Last Update : Wed Mar 03 16:05:59 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0304B.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0304B.D	RMD0304B.D
Sample :	MSBLANK R998270S035	MSBLANK R998270S035
Acq Time:	4 Mar 99 5:06 pm	4 Mar 99 5:49 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.3	200	53	56	26	28	7	21	12- 78
2-Chlorophenol	0.1	200	116	122	58	61	5	24	30- 91
1,4-Dichlorobenzene	0.0	100	54	56	54	56	4	18	36- 87
N-Nitroso-di-n-propy	0.0	100	70	75	70	75	7	21	31-114
1,2,4-Trichlorobenze	0.0	100	59	62	59	62	4	18	38-100
4-Chloro-3-methylphe	0.0	200	120	125	60	63	4	16	35-102
Acenaphthene	0.1	100	66	70	65	70	7	17	46- 94
4-Nitrophenol	0.5	200	39	41	19	20	5	58	10- 91
2,4-Dinitrotoluene	0.0	100	73	76	73	76	3	20	42-115
Pentachlorophenol	0.0	200	130	138	65	69	6	51	8-125
Pyrene	0.0	100	76	81	76	81	6	16	36-114

BATCH QC# R998270S035

Reviewed/Approved by: _____ Date: 03/10/99

Lee Ingvaldson
Organics Supervisor

Spike Recovery and RPD Summary Report - Soil (ug/Kg)

Method : D:\HPCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Tue Mar 02 14:20:35 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0302A.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0302A.D	SMD0302A.D
Sample :	MSBLANK S998270S036	MSBLANK S998270S036
Acq Time:	2 Mar 1999 8:39 pm	2 Mar 1999 9:15 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	118	112	59	56	5	21	12- 78
2-Chlorophenol	0.0	200	133	124	67	62	7	24	30- 91
1,4-Dichlorobenzene	0.0	100	73	68	73	68	7	18	36- 87
N-Nitroso-di-n-propy	0.0	100	84	78	84	78	7	21	31-114
1,2,4-Trichlorobenze	0.0	100	82	75	82	75	9	18	38-100
4-Chloro-3-methylphe	0.0	200	151	138	76	69	9	16	35-102
Acenaphthene	0.0	100	85	79	85	79	7	17	46- 94
4-Nitrophenol	0.0	200	150	138	75	69	8	58	10- 91
2,4-Dinitrotoluene	0.0	100	102	92	102	92	10	20	42-115
Pentachlorophenol	0.0	200	192	177	96	88	8	51	8-125
Pyrene	0.0	100	105	96	104	96	9	16	36-114

QC Batch #S998270S036

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Spike Recovery and RPD Summary Report - WATER (ug/L)

Method : D:\HPCHEM\1\METHODS\8270D.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Fri Feb 12 11:08:49 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0225B.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0225B.D	SMD0225B.D
Sample :	MSBLANK S998270W031	MSBLANK S998270S032
Acq Time:	25 Feb 1999 8:02 pm	25 Feb 1999 8:38 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	54	50	27	25	8	21	12- 78
2-Chlorophenol	0.0	200	120	113	60	56	6	24	30- 91
1,4-Dichlorobenzene	0.0	100	66	60	66	60	9	18	36- 87
N-Nitroso-di-n-propy	0.0	100	76	68	76	68	10	21	31-114
1,2,4-Trichlorobenze	0.0	100	71	66	71	66	8	18	38-100
4-Chloro-3-methylphe	0.0	200	137	122	68	61	12	16	35-102
Acenaphthene	0.0	100	78	71	78	71	9	17	46- 94
4-Nitrophenol	0.0	200	71	50	35	25	35	58	10- 91
2,4-Dinitrotoluene	0.0	100	91	82	91	82	10	20	42-115
Pentachlorophenol	0.0	200	178	152	89	76	16	51	8-125
Pyrene	0.0	100	97	86	97	86	12	16	36-114

QC Batch #S998270W031

Reviewed/Approved By: _____ Date: 03/10/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/23/99
Date Sampled: 02/22/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MD	DLR	Analyst
33392-009	ADMIN1	EPA 150.1 (pH)	02/23/99	7.68	Water, pH units	---	---	DG
33392-009Dup	ADMIN1	EPA 150.1 (pH)	02/23/99	7.71	Water, pH units	---	---	DG
33392-019	ADMIN3	EPA 150.1 (pH)	02/23/99	8.46	Water, pH units	---	---	DG
33392-031	ADMIN5	EPA 150.1 (pH)	02/23/99	7.93	Water, pH units	---	---	DG
33392-040	ADMIN6	EPA 150.1 (pH)	02/23/99	6.74	Water, pH units	---	---	DG
33392-049	MNTNC3	EPA 150.1 (pH)	02/23/99	8.87	Water, pH units	---	---	DG

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/11/99
Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/23/99
Date Sampled: 02/22/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33392-001	ADMIN1-0	EPA 9045 (pH)	02/25/99	9.0	Soil, pH units	---	---	OL
33392-002	ADMIN1-5	EPA 9045 (pH)	02/25/99	9.5	Soil, pH units	---	---	OL
33392-003	ADMIN1-10	EPA 9045 (pH)	02/25/99	9.4	Soil, pH units	---	---	OL
33392-004	ADMIN1-15	EPA 9045 (pH)	02/25/99	9.2	Soil, pH units	---	---	OL
33392-005	ADMIN1-25	EPA 9045 (pH)	02/25/99	9.9	Soil, pH units	---	---	OL
33392-010	ADMIN2-0	EPA 9045 (pH)	02/25/99	7.8	Soil, pH units	---	---	OL
33392-011	ADMIN3-0	EPA 9045 (pH)	02/25/99	8.5	Soil, pH units	---	---	OL
33392-012	ADMIN3-5	EPA 9045 (pH)	02/25/99	9.2	Soil, pH units	---	---	OL
33392-013	ADMIN3-10	EPA 9045 (pH)	02/25/99	10.0	Soil, pH units	---	---	OL
33392-014	ADMIN3-15	EPA 9045 (pH)	02/25/99	10.4	Soil, pH units	---	---	OL
33392-014Dup	ADMIN3-15	EPA 9045 (pH)	02/25/99	10.5	Soil, pH units	---	---	OL

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DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/11/99
Cheryl de los Reyes
Technical Operations Manager

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Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/23/99
Date Sampled: 02/22/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
33392-023	ADMIN5-0	EPA 9045 (pH)	03/19/99	8.3	Soil, pH units	---	---	OL
33392-024	ADMIN5-5	EPA 9045 (pH)	03/19/99	10.0	Soil, pH units	---	---	OL
33392-025	ADMIN5-10	EPA 9045 (pH)	03/19/99	10.0	Soil, pH units	---	---	OL
33392-026	ADMIN5-15	EPA 9045 (pH)	03/19/99	9.5	Soil, pH units	---	---	OL
33392-027	ADMIN5-20	EPA 9045 (pH)	03/19/99	9.6	Soil, pH units	---	---	OL
33392-027Dup	ADMIN5-20	EPA 9045 (pH)	03/19/99	9.6	Soil, pH units	---	---	OL

MDL = Method Detection Limit
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DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/22/99

Cheryl de los Reyes
Technical Operations Manager

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Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/23/99
Date Sampled: 02/22/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33392-015	ADMIN3-20	EPA 9045 (pH)	02/25/99	9.5	Soil, pH units	---	---	OL
33392-016	ADMIN3-25	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-020	ADMIN4-0	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-021	ADMIN4-5	EPA 9045 (pH)	02/25/99	9.1	Soil, pH units	---	---	OL
33392-022	ADMIN4-10	EPA 9045 (pH)	02/25/99	9.8	Soil, pH units	---	---	OL
33392-028	ADMIN5-25	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-032	ADMIN6-0	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-033	ADMIN6-5	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-034	ADMIN6-10	EPA 9045 (pH)	02/25/99	9.3	Soil, pH units	---	---	OL
33392-035	ADMIN6-15	EPA 9045 (pH)	02/25/99	8.6	Soil, pH units	---	---	OL
33392-035Dup	ADMIN6-15	EPA 9045 (pH)	02/25/99	8.5	Soil, pH units	---	---	OL

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DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/11/99

Cheryl de los Reyes
Technical Operations Manager

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Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/23/99
Date Sampled: 02/22/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MD	DLR	Analyst
33392-036	ADMIN6-20	EPA 9045 (pH)	02/25/99	9.0	Soil, pH units	---	---	OL
33392-037	ADMIN6-25	EPA 9045 (pH)	02/25/99	8.9	Soil, pH units	---	---	OL
33392-041	MNTNC3-0	EPA 9045 (pH)	02/25/99	9.2	Soil, pH units	---	---	OL
33392-042	MNTNC3-5	EPA 9045 (pH)	02/25/99	9.2	Soil, pH units	---	---	OL
33392-043	MNTNC3-10	EPA 9045 (pH)	02/25/99	9.9	Soil, pH units	---	---	OL
33392-044	MNTNC3-15	EPA 9045 (pH)	02/25/99	9.7	Soil, pH units	---	---	OL
33392-045	MNTNC3-20	EPA 9045 (pH)	02/25/99	8.8	Soil, pH units	---	---	OL
33392-046	MNTNC3-25	EPA 9045 (pH)	02/25/99	8.7	Soil, pH units	---	---	OL
33392-046Dup	MNTNC3-25	EPA 9045 (pH)	02/25/99	8.7	Soil, pH units	---	---	OL

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ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/11/99

Cheryl de los Reyes
Technical Operations Manager

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Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-06-99A**
Date Received:	**02/23/99**
Matrix:	**Soil**
Units:	**mg/kg**
Digestion Method:	**EPA 3050**

EPA 6010 (CCR Metals)

Lab No.:		33392-001	33392-002	33392-003	33392-004	33392-005	33392-010	33392-011	33392-012
Client Sample I.D.:		ADMIN1-0	ADMIN1-5	ADMIN1-10	ADMIN1-15	ADMIN1-25	ADMIN2-0	ADMIN3-0	ADMIN3-5
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
Date Digested:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99
Date Analyzed:		02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.71	0.82	0.48	0.30	0.51	1.3	0.60	0.43
Arsenic	0.25	4.2	4.5	2.8	2.0	3.4	6.7	2.6	2.6
Barium	0.050	85	87	23	12	47	101	45	16
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	14	20	16	13	21	28	3.3	13
Cobalt	0.15	4.2	4.3	2.9	2.3	4.3	7.1	4.0	2.5
Copper	0.15	16	12	5.5	3.2	8.9	42	7.6	4.0
Lead	0.25	3.4	4.5	1.5	0.74	3.2	244	2.3	1.1
Mercury **	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	0.25	1.6	1.6	ND	ND	0.50	1.4	0.57	ND
Nickel	0.15	38	30	18	16	26	48	2.4	16
Selenium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	0.15	9.3	15	10	8.1	13	19	16	8.6
Zinc	0.50	15	22	13	9.1	20	66	20	10

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

*** = Only listed constituents designated with TTLC and STLC under CCR Title 22**

**** = Analysis by EPA Method 7471**

Reviewed/Approved By: _____ **Date:** 3/11/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33392-013	33392-014	33392-014Dup	33392-015	33392-016	33392-020	33392-021	33392-022
Client Sample I.D.:		ADMIN3-10	ADMIN3-15	ADMIN3-15	ADMIN3-20	ADMIN3-25	ADMIN4-0	ADMIN4-5	ADMIN4-10
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
Date Digested:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99
Date Analyzed:		02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.71	0.48	0.85	ND	ND	0.54	ND	0.26
Arsenic	0.25	6.2	8.4	9.0	1.4	2.3	4.7	2.1	2.9
Barium	0.050	95	79	84	12	20	318	31	42
Beryllium	0.050	ND	0.059	0.090	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	27	27	26	10	15	14	13	19
Cobalt	0.15	6.1	5.9	6.7	2.2	3.1	12	2.4	3.8
Copper	0.15	17	18	19	2.9	3.2	39	3.6	5.4
Lead	0.25	4.3	5.9	4.5	1.7	1.7	14	1.3	3.0
Mercury **	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	0.25	0.89	0.69	0.86	ND	ND	3.5	0.27	0.43
Nickel	0.15	42	42	47	14	19	19	15	23
Selenium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	ND	0.74	ND	ND
Vanadium	0.15	19	18	18	6.7	9.5	48	7.8	12
Zinc	0.50	39	38	42	14	23	41	13	18

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/11/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33392-023	33392-024	33392-025	33392-026	33392-027	33392-027Dup	33392-028	33392-032
Client Sample I.D.:		ADMIN5-0	ADMIN5-5	ADMIN5-10	ADMIN5-15	ADMIN5-20	ADMIN5-20	ADMIN5-25	ADMIN6-0
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
Date Digested:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99
Date Analyzed:		02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	ND	0.26	ND	ND	ND	0.35	0.48	1.2
Arsenic	0.25	1.5	5.9	8.3	3.6	1.9	1.8	1.8	7.9
Barium	0.050	15	55	110	32	17	18	18	63
Beryllium	0.050	ND	ND	0.066	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	12	16	29	22	12	11	11	15
Cobalt	0.15	2.4	3.2	6.8	4.8	2.5	2.4	2.6	13
Copper	0.15	3.1	12	18	6.2	2.3	2.2	2.3	103
Lead	0.25	1.8	49	9.8	2.9	1.5	1.3	0.91	1.0
Mercury **	0.10	ND	ND	ND	ND	ND	ND	ND	0.31
Molybdenum	0.25	ND	0.99	0.90	0.50	ND	ND	ND	2.5
Nickel	0.15	18	20	41	26	15	14	14	8.3
Selenium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	ND	ND	ND	0.33
Vanadium	0.15	7.9	11	19	16	7.5	7.2	7.2	78
Zinc	0.50	25	52	53	23	13	9.7	9.5	79

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

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** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/10/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33392-033	33392-034	33392-035	33392-036	33392-037	33392-041	33392-042	33392-043
Client Sample I.D.:		ADMIN6-5	ADMIN6-10	ADMIN6-15	ADMIN6-20	ADMIN6-25	MNTNC3-0	MNTNC3-5	MNTNC3-10
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99
Date Digested:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99
Date Analyzed:		02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99	02/26/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.69	0.72	0.77	0.47	0.56	1.1	0.49	0.81
Arsenic	0.25	2.1	1.8	6.7	1.7	2.5	6.8	2.2	1.1
Barium	0.050	15	9.7	51	16	24	60	18	14
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	23	15	32	16	16	8.7	18	19
Cobalt	0.15	3.3	2.4	5.3	2.3	2.8	11	3.3	3.1
Copper	0.15	3.9	2.8	18	2.6	2.9	66	4.4	2.8
Lead	0.25	2.5	0.89	18	0.60	2.6	0.60	2.9	1.6
Mercury **	0.10	ND	ND	0.19	ND	ND	0.27	ND	ND
Molybdenum	0.25	ND	ND	0.79	ND	ND	2.3	ND	ND
Nickel	0.15	28	17	31	17	16	6.9	23	23
Selenium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.050	ND	ND	0.18	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	0.15	13	8.8	23	9.8	10	70	12	12
Zinc	0.50	18	9.1	50	10	11	64	16	11

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DLR = MDL X Dilution Factor

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** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/11/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/23/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050
Date Amended:	03/17/99

EPA 6010 (CCR Metals)

Lab No.:		33392-043Dup	33392-044	33392-045	33392-046	33392-046Dup			
Client Sample I.D.:		MNTNC3-10	MNTNC3-15	MNTNC3-20	MNTNC3-25	MNTNC3-25			
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99			
Date Digested:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99			
Date Analyzed:		02/26/99	02/26/99	02/26/99	02/26/99	02/26/99			
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ			
Dilution Factor:		1	1	1	1	1			
ANALYTE*	**DLR**	**RESULTS**							
Antimony	0.25	0.47	0.29	0.30	0.76	1.0			
Arsenic	0.25	1.1	1.2	3.4	11	13			
Barium	0.050	8.2	12	44	29	35			
Beryllium	0.050	ND	ND	ND	0.094	0.11			
Cadmium	0.15	ND	ND	ND	ND	ND			
Chromium	0.15	15	9.0	20	37	45			
Cobalt	0.15	2.5	2.0	5.2	5.6	6.8			
Copper	0.15	2.4	2.3	5.9	34	40			
Lead	0.25	5.6	1.4	2.4	37	43			
Mercury **	0.10	ND	ND	ND	ND	ND			
Molybdenum	0.25	ND	0.37	0.69	1.9	2.1			
Nickel	0.15	17	14	25	30	37			
Selenium	0.25	ND	ND	ND	ND	ND			
Silver	0.050	ND	ND	ND	0.47	0.71			
Thallium	0.25	ND	ND	0.34	ND	ND			
Vanadium	0.15	9.7	6.1	14	30	36			
Zinc	0.50	16	6.1	18	97	113			

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/17/99

Cheryl De Los Reyes
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn:

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/23/99
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Dissolved Metals)

Lab No.:		33392-008	33392-019	33392-031	33392-040	33392-040Dup	33392-049		
Client Sample I.D.:		ADMIN1	ADMIN3	ADMIN5	ADMIN6	ADMIN6	MNTNC3		
Date Sampled:		02/22/99	02/22/99	02/22/99	02/22/99	02/22/99	02/22/99		
Date Digested:		02/24/99	02/24/99	02/24/99	02/24/99	02/24/99	02/24/99		
Date Analyzed:		02/25/99	02/25/99	02/25/99	02/25/99	02/25/99	02/25/99		
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ		
Dilution Factor:		1	1	1	1	1	1		
ANALYTE*	DLR	RESULTS							
Antimony	0.005	0.006	0.009	0.005	ND	0.017	0.009		
Arsenic	0.005	ND	ND	ND	ND	0.005	ND		
Barium	0.001	0.17	0.086	0.38	0.82	0.85	0.14		
Beryllium	0.001	ND	ND	ND	ND	ND	ND		
Cadmium	0.003	ND	ND	ND	ND	ND	ND		
Chromium	0.003	ND	0.014	ND	ND	ND	0.087		
Cobalt	0.003	ND	ND	ND	ND	ND	0.011		
Copper	0.003	ND	0.017	ND	ND	ND	0.063		
Lead	0.005	ND	ND	ND	ND	ND	0.031		
Mercury **	0.004	ND	ND	ND	ND	ND	ND		
Molybdenum	0.005	0.007	0.009	0.007	0.005	0.005	0.007		
Nickel	0.003	ND	0.009	ND	0.005	0.005	0.071		
Selenium	0.005	ND	ND	ND	ND	ND	0.006		
Silver	0.001	0.002	ND	0.003	0.007	0.008	0.001		
Thallium	0.005	ND	ND	ND	ND	ND	0.020		
Vanadium	0.003	ND	0.020	0.003	ND	ND	0.094		
Zinc	0.010	0.051	0.063	0.044	0.050	0.038	0.082		

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470

Reviewed/Approved By: _____ Date: 3/11/99

Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report

Method: EPA 7470A
Analyst: DJ
Data File: 90225-3
QA File: 9056-3

Date Analyzed: 02-25-99
Date Digested: 02-25-99
Sample ID: 33392-008
Matrix: water
QC Batch NO: HG990225W-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Mercury	mg/L	0.015	0.014	93	ND	ND	ND	0	0.020	0.022	0.022	110	110	50-147	0	24	0.004

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9057-4
QA File: 9057-4GC

Date Analyzed: 02/26/99
Date Digested: 02/25/99
Sample ID: 33392-014
Matrix: Soil
QC Batch NO:ICAP 990226S-4

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.93	93	ND	0.48	0.85	56	125	71	70	56	56	32-110	1	20	0.25
Arsenic	mg/kg	1.0	0.99	99	ND	8.4	9.0	7	125	117	117	87	87	68-105	0	20	0.25
Barium	mg/kg	1.0	0.98	98	ND	79	84	6	125	200	192	97	90	22-170	4	20	0.05
Beryllium	mg/kg	1.0	0.98	98	ND	0.059	0.090	42	125	109	107	87	86	47-134	2	20	0.05
Cadmium	mg/kg	1.0	0.94	94	ND	ND	ND	0	125	106	103	85	82	65-106	3	20	0.15
Chromium	mg/kg	1.0	0.97	97	ND	27	26	4	125	131	126	83	79	61-128	4	20	0.15
Cobalt	mg/kg	1.0	0.91	91	ND	5.9	6.7	13	125	96	93	72	70	68-112	3	20	0.15
Copper	mg/kg	1.0	0.88	88	ND	18	19	5	125	146	139	102	97	60-133	5	20	0.15
Lead	mg/kg	1.0	0.95	95	ND	5.9	4.5	27	125	109	107	82	81	68-106	2	20	0.25
Molybdenum	mg/kg	1.0	0.96	96	ND	0.69	0.86	22	125	98	96	78	76	67-107	2	20	0.25
Nickel	mg/kg	1.0	0.92	92	ND	42	47	11	125	151	144	87	82	29-155	5	20	0.15
Selenium	mg/kg	1.0	0.87	87	ND	ND	ND	0	125	96	94	77	75	51-114	2	20	0.25
Silver	mg/kg	0.75	0.62	83	ND	ND	ND	0	125	105	103	84	82	45-111	2	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	116	113	93	90	60-111	3	20	0.25
Vanadium	mg/kg	1.0	0.97	97	ND	18	18	0	125	119	115	81	78	71-116	3	20	0.15
Zinc	mg/kg	1.0	0.91	91	ND	38	42	10	125	143	142	84	83	47-128	1	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9057-3
QA File: 9057-3GC

Date Analyzed: 02/26/99
Date Digested: 02/25/99
Sample ID: 33392-027
Matrix: Soil
QC Batch NO:ICAP 990226S-3

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.92	92	ND	ND	0.35	200	125	102	106	82	85	32-110	4	20	0.25
Arsenic	mg/kg	1.0	0.96	96	ND	1.9	1.8	5	125	117	120	92	94	68-105	3	20	0.25
Barium	mg/kg	1.0	0.97	97	ND	17	18	6	125	134	135	94	94	22-170	1	20	0.05
Beryllium	mg/kg	1.0	0.97	97	ND	ND	ND	0	125	117	119	94	95	47-134	2	20	0.05
Cadmium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	111	113	89	90	65-106	2	20	0.15
Chromium	mg/kg	1.0	0.96	96	ND	12	11	9	125	127	126	92	91	61-128	1	20	0.15
Cobalt	mg/kg	1.0	0.90	90	ND	2.5	2.4	4	125	110	112	86	88	68-112	2	20	0.15
Copper	mg/kg	1.0	0.88	88	ND	2.3	2.2	4	125	106	108	83	85	60-133	2	20	0.15
Lead	mg/kg	1.0	0.93	93	ND	1.5	1.3	14	125	112	114	88	90	68-106	2	20	0.25
Molybdenum	mg/kg	1.0	0.95	95	ND	ND	ND	0	125	110	112	88	90	67-107	2	20	0.25
Nickel	mg/kg	1.0	0.90	90	ND	15	14	7	125	128	130	90	92	29-155	2	20	0.15
Selenium	mg/kg	1.0	0.85	85	ND	ND	ND	0	125	103	106	82	85	51-114	3	20	0.25
Silver	mg/kg	0.75	0.64	85	ND	ND	ND	0	125	113	114	90	91	45-111	1	20	0.05
Thallium	mg/kg	1.0	0.99	99	ND	ND	ND	0	125	120	123	96	98	60-111	2	20	0.25
Vanadium	mg/kg	1.0	0.96	96	ND	7.5	7.2	4	125	123	124	92	93	71-116	1	20	0.15
Zinc	mg/kg	1.0	0.90	90	ND	13	9.8	28	125	124	118	89	84	47-128	5	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9057-6
QA File: 9057-6GC

Date Analyzed: 02/26/99
Date Digested: 02/25/99
Sample ID: 33392-043
Matrix: Soil
QC Batch NO:ICAP 990226S-6

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.91	91	ND	0.81	0.47	53	125	101	101	80	80	32-110	0	20	0.25
Arsenic	mg/kg	1.0	0.96	96	ND	1.1	1.1	0	125	115	114	91	90	68-105	1	20	0.25
Barium	mg/kg	1.0	0.97	97	ND	14	8.2	52	125	120	122	85	86	22-170	2	20	0.05
Beryllium	mg/kg	1.0	0.97	97	ND	ND	ND	0	125	116	115	93	92	47-134	1	20	0.05
Cadmium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	109	108	87	86	65-106	1	20	0.15
Chromium	mg/kg	1.0	0.97	97	ND	19	15	24	125	127	126	86	86	61-128	1	20	0.15
Cobalt	mg/kg	1.0	0.91	91	ND	3.1	2.5	21	125	107	107	83	83	68-112	0	20	0.15
Copper	mg/kg	1.0	0.88	88	ND	2.8	2.4	15	125	106	107	83	83	60-133	1	20	0.15
Lead	mg/kg	1.0	0.92	92	ND	1.6	5.6	111	125	116	113	92	89	68-106	3	20	0.25
Molybdenum	mg/kg	1.0	0.95	95	ND	ND	ND	0	125	108	108	86	86	67-107	0	20	0.25
Nickel	mg/kg	1.0	0.90	90	ND	23	17	30	125	125	126	82	82	29-155	1	20	0.15
Selenium	mg/kg	1.0	0.85	85	ND	ND	ND	0	125	101	100	81	80	51-114	1	20	0.25
Silver	mg/kg	0.75	0.63	84	ND	ND	ND	0	125	111	113	89	90	45-111	2	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	117	118	94	94	60-111	1	20	0.25
Vanadium	mg/kg	1.0	0.96	96	ND	12	10	21	125	121	121	87	87	71-116	0	20	0.15
Zinc	mg/kg	1.0	0.90	90	ND	11	16	37	125	114	113	82	82	47-128	1	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9057-7
QA File: 9057-7GC

Date Analyzed: 02/26/99
Date Digested: 02/25/99
Sample ID: 33392-046
Matrix: Soil
QC Batch NO:ICAP 990226S-7

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.91	91	ND	0.76	1.0	27	125	75	87	59	69	32-110	15	20	0.25
Arsenic	mg/kg	1.0	0.97	97	ND	11	13	17	125	119	120	86	87	68-105	1	20	0.25
Barium	mg/kg	1.0	0.96	96	ND	29	35	19	125	141	140	90	89	22-170	1	20	0.05
Beryllium	mg/kg	1.0	0.96	96	ND	0.094	0.11	16	125	110	111	88	89	47-134	1	20	0.05
Cadmium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	103	103	82	82	65-106	0	20	0.15
Chromium	mg/kg	1.0	0.97	97	ND	37	45	20	125	149	146	90	87	61-128	2	20	0.15
Cobalt	mg/kg	1.0	0.91	91	ND	5.6	6.8	19	125	107	108	81	82	68-112	1	20	0.15
Copper	mg/kg	1.0	0.90	90	ND	34	40	16	125	139	139	84	84	60-133	0	20	0.15
Lead	mg/kg	1.0	0.94	94	ND	37	43	15	125	143	140	85	82	68-106	2	20	0.25
Molybdenum	mg/kg	1.0	0.96	96	ND	1.9	2.1	10	125	104	106	82	83	67-107	2	20	0.25
Nickel	mg/kg	1.0	0.90	90	ND	30	37	21	125	135	134	84	83	29-155	1	20	0.15
Selenium	mg/kg	1.0	0.86	86	ND	ND	ND	0	125	97	97	78	78	51-114	0	20	0.25
Silver	mg/kg	0.75	0.65	87	ND	0.47	0.71	41	125	109	106	87	84	45-111	3	20	0.05
Thallium	mg/kg	1.0	0.98	98	ND	ND	ND	0	125	113	114	90	91	60-111	1	20	0.25
Vanadium	mg/kg	1.0	0.96	96	ND	30	36	18	125	138	138	86	86	71-116	0	20	0.15
Zinc	mg/kg	1.0	0.90	90	ND	97	114	16	125	197	187	80	72	47-128	5	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA7471
Analyst: DJ/HP
Data File: 90225-1
QA File: 9056-1S

Date Analyzed: 02/25/99
Date Digested: 02/25/99
Sample ID: SEE BELOW
Matrix: soil
QC BATCH: HG990225-1S

SPL ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
33430-012	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.75	0.76	90	92	51 - 124	1	18	0.10
33430-022	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.74	0.74	89	89	51 - 124	0	18	0.10
33430-034	mg/kg	0.015	0.014	93	ND	0.38	0.27	34	0.83	0.93	1.2	66	99	51 - 124	39	18	0.10
33430-050	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.78	0.72	94	87	51 - 124	8	18	0.10
33430-053	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.69	0.69	83	83	51 - 124	0	18	0.10

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 3/10/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA7471
Analyst: DJ/HP
Data File: 90224-2
QA File: 9055-2S

Date Analyzed: 02/24/99
Date Digested: 02/24/99
Sample ID: SEE BELOW
Matrix: soil
QC BATCH: HG990224-2S

SPL ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
33392-014	mg/kg	0.015	0.016	107	ND	ND	ND	0	0.83	0.76	0.70	92	84	51 - 124	8	18	0.10
33392-027	mg/kg	0.015	0.016	107	ND	ND	ND	0	0.83	0.71	0.74	86	89	51 - 124	0	18	0.10
33392-043	mg/kg	0.015	0.016	107	ND	ND	ND	0	0.83	0.68	0.69	82	83	51 - 124	1	18	0.10
33392-046	mg/kg	0.015	0.016	107	ND	0.79	0.79	0	0.83	1.3	1.5	61	86	51 - 124	33	18	0.10

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: LP/SER

Data File: ICP90225-5

QA File: 9056-5WGC

Date Analyzed: 02/25/99

Date Digested: 02/24/99

Sample ID: 33392-040

Matrix: Water

QC Batch No: IC990225W-5

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/L	1.0	0.93	93	ND	ND	0.017	200	5.0	4.4	4.4	88	88	50-150	0	18	0.005
Arsenic	mg/L	1.0	0.99	99	ND	ND	0.005	200	5.0	4.6	4.7	92	94	57-126	2	12	0.005
Barium	mg/L	1.0	0.99	99	ND	0.82	0.85	4	5.0	5.3	5.4	90	92	58-124	2	19	0.001
Beryllium	mg/L	1.0	0.98	98	ND	ND	ND	0	5.0	4.4	4.4	88	88	48-124	0	16	0.001
Cadmium	mg/L	1.0	0.94	94	ND	ND	ND	0	5.0	4.1	4.2	82	84	55-122	2	11	0.003
Chromium	mg/L	1.0	0.96	96	ND	ND	ND	0	5.0	4.4	4.5	88	90	59-123	2	12	0.003
Cobalt	mg/L	1.0	0.89	89	ND	ND	ND	0	5.0	4.2	4.3	84	86	60-119	2	9	0.003
Copper	mg/L	1.0	1.0	100	ND	ND	ND	0	5.0	3.5	3.5	70	70	76-114	0	15	0.003
Lead	mg/L	1.0	0.97	97	ND	ND	ND	0	5.0	4.3	4.4	86	88	67-119	2	9	0.005
Molybdenum	mg/L	1.0	0.96	96	ND	0.005	0.005	0	5.0	4.4	4.5	88	90	67-115	2	16	0.005
Nickel	mg/L	1.0	0.91	91	ND	0.005	0.005	0	5.0	4.0	4.1	80	82	57-120	2	14	0.003
Selenium	mg/L	1.0	0.88	88	ND	ND	ND	0	5.0	4.2	4.3	84	86	41-136	2	16	0.005
Silver	mg/L	0.75	0.79	105	ND	0.007	0.008	13	5.0	5.4	5.4	108	108	24-155	0	25	0.001
Thallium	mg/L	1.0	1.0	100	ND	ND	ND	0	5.0	4.5	4.6	90	92	62-123	2	16	0.005
Vanadium	mg/L	1.0	0.96	96	ND	ND	ND	0	5.0	4.5	4.5	90	90	62-120	0	13	0.003
Zinc	mg/L	1.0	0.89	89	ND	0.050	0.038	27	5.0	4.2	4.3	83	85	35-126	2	11	0.010

Approved by: _____

LiPing Liu
Inorganics Supervisor

Date: 3/11/99

Advanced Technology Laboratories

CHAIN OF C[illegible]TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: DD Date: 2-23 Time: 1130

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: GATEWAY Project #: 58130-06-99A Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 2-23-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/22/99
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: FILTER WATER FOR METALS

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M (TPHG/BTEX (COMBINATION)	8015M (TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Title 22 Metals	pH 9045		SOLID (SOIL • SLUDGE)	OIL • SOLVENT • LIQUID	(WATER) • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33392-001	ADMIN1-0	2/22	805					X	X	X	X			X	X		X							E	1	TP		
	002	ADMIN1-5		810														X											
	003	ADMIN1-10		815														X											
	004	ADMIN1-15		820														X											
	005	ADMIN1-25		912														X											
	006	ADMIN1		940						X		X								X						2	LG		
	007	ADMIN1							X		X									X						3	VG		
	008	ADMIN1													X					X						1	PP		
	009	ADMIN1															X			X						1	JP		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]OH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with rep[illegible] **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: GATEWAY Project #: S8130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Walden Date: 2-23-99 Time: 8:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)_____ TEST:_____ ATL #:_____ DATE:_____ CLIENT I.D._____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ross White Print Name Date: 2/22/99
Signature

Send Report To:
Attn:_____
Co:_____
Address_____
City_____ State_____ Zip_____

Special Instructions/Comments:
FILTER WATER FOR METALS

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other_____
☐ Return To:_____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); (8260 Volatiles-GC/MS) VOCs; 625/8270 (BNA-GC/MS) SVOCs; 8015M (TPH/BTEX/COMBINATION); 8015M (TPHD (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); Title 22 Metals EPA 6010 pH 9045

CIRCLE APPROPRIATE MATRIX: SOLID • (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; (WATER) • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER_____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
	33312-010	ADMIN2-0	2/2	1030	E	1	P T	
	011	ADMIN3-0		1110				
	012	ADMIN3-5		1120				
	013	ADMIN3-10		1130				
	014	ADMIN3-15		1145				
	015	ADMIN3-20		1200				
	016	ADMIN3-25		1219				
	017	ADMIN3		1135		3	V G	
	018	ADMIN3		1135		2	L G	
	019	ADMIN3	↓	1135	↓	2	J P	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF C[illegible] TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: S8130-06-99A Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Diane Hawan Date: 2-23-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/22/99
Print Name [signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: FILTER WATER FOR METALS

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M (TPH/D/BTEX (COMBINATION)	8015M (TPH/D) (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Title 22 Metals 6010	pH 9045		SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33392-020	ADMIN4-0	2/22	1240					X	X	X	X			X	X		X							E	1	P T		
	021	ADMIN4-5		1245					X	X	X	X			X	X		X											
	022	ADMIN4-10		1300					X	X	X	X			X	X		X											
		~~ADMIN4~~		~~1315~~					~~X~~		~~X~~									~~X~~						~~3~~	~~V~~		
		~~ADMIN4~~		~~1315~~												~~X~~				~~X~~						~~1~~	~~J~~		
	023	ADMIN5-0		1340					X	X	X	X			X	X		X								1	P T		
	024	ADMIN5-5		1347					X	X	X	X			X	X		X											
	025	ADMIN5-10		1352					X	X	X	X			X	X		X											
	026	ADMIN5-15		1400					X	X	X	X			X	X		X											
	027	ADMIN5-20		1432					X	X	X	X			X	X		X											

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]OH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with rep[illegible] **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: SB130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Walvam Date: 2-23-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____ TEST: _____ ATL #: _____ DATE: _____ CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/22/99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
FILTER WATER FOR METALS

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M-TPHG/BTEX(COMBINATION); 8015M-TPHD(Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); Title 22 Metals Lead pH 9045

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
	33342-028	ADMIN5-25	2/22	1445	E	1	P T	
	029	ADMIN5	2/22	1415		3	V G	
	030	ADMIN5		1415		2	L G	
	031	ADMIN5		1415		2	J P	
	032	ADMIN6-0		1500		1	P T	
	033	ADMIN6-5		1507		1	P T	
	034	ADMIN6-10		1519		1	P T	
	035	ADMIN6-15		1530		1	P T	
	036	ADMIN6-20		1600		1	P T	
	037	ADMIN6-25	↓	1606	↓	1	P T	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF C[illegible]TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: S8130-06-99A Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 2-23-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/22/99
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Filter groundwater for metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M (TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Title 22 Metals 6010	pH 9045		SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	33392-038	ADMIN 6	2/22	1540					X		X									X					E	3	V G		
	039	ADMIN 6		1540						X		X								X						2	L G		
	040	ADMIN 6		1540											X	X				X						2	J P		
	041	MNTNC3-0		1644					X	X	X	X			X	X			X							1	T P		
	042	MNTNC3-5		1648					X	X	X	X			X	X			X							1	T P		
	043	MNTNC3-10		1656					X	X	X	X			X	X			X							1	T P		
	044	MNTNC3-15		1705					X	X	X	X			X	X			X							1	T P		
	045	MNTNC3-20		1730					X	X	X	X			X	X			X							1	T P		
	046	MNTNC3-25		1750					X	X	X	X			X	X			X							1	T P		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]OH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with rep[illegible] **Yellow** to folder, **Pink** to submitter.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-025		33430-026		33430-030		33430-031		33430-032	
Client Sample I.D.:		MNTNC1-20		MNTNC1-25		MNTNC2-0		MNTNC2-5		MNTNC2-10	
Date Sampled:		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS038		P99VOCS038		P99VOCS038		P99VOCS038		P99VOCS038	
Date Analyzed:		03/03/99		03/03/99		03/03/99		03/03/99		03/03/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ıe cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-025		33430-026		33430-030		33430-031		33430-032	
Client Sample I.D.:		MNTNC1-20		MNTNC1-25		MNTNC2-0		MNTNC2-5		MNTNC2-10	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
',2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
.,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	11	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33430-021		33430-022		33430-023		33430-024	
Client Sample I.D.:		--		MNTNC1-0		MNTNC1-5		MNTNC1-10		MNTNC1-15	
Date Sampled:		--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS038		P99VOCS038		P99VOCS038		P99VOCS038		P99VOCS038	
Date Analyzed:		03/03/99		03/03/99		03/03/99		03/03/99		03/03/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33430-021		33430-022		33430-023		33430-024	
Client Sample I.D.:		--		MNTNC1-0		MNTNC1-5		MNTNC1-10		MNTNC1-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
',2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
',2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-11.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0302A.D	PMD0302A.D
Sample :	33430-11 spike	33430-11 spike dup
Acq Time:	2 Mar 1999 1:13 pm	2 Mar 1999 1:40 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	110	115	110	115	4	20	58-156
benzene	0.0	100	107	110	107	110	3	12	72-134
trichloroethene	0.0	100	108	109	108	109	1	16	55-145
toluene	0.0	100	92	94	92	94	3	16	73-127
chlorobenzene	0.0	100	100	101	100	101	2	11	80-119

QCBATCH#P99VOCS037

Reviewed/Approved by: _____ Date: 03/11/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		33430-019		33430-020		LCS					
Client Sample I.D.:		MNTNC4-20		MNTNC4-25		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limit	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	146				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	126				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	117				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	139				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	122				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	113				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	106				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	114				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	109				
Methylene Chloride	15	15	ND	15	ND	21-175	146				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	119				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	113				
Styrene	5.0	5.0	ND	5.0	ND	21-175	107				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	114				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	122				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	110				
Toluene	5.0	5.0	ND	5.0	ND	21-175	111				
',2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	115				
.,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	120				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	143				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	137				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	127				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	142				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	101				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	109				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	113				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	120				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	112				

MDL = Method Detection Limit
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DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:	33430-019		33430-020		LCS					
Client Sample I.D.:	MNTNC4-20		MNTNC4-25		---					
Date Sampled:	02/23/99		02/23/99		---					
QC Batch #:	P99VOCS037		P99VOCS037		P99VOCS037					
Date Analyzed:	03/02/99		03/02/99		03/02/99					
Analyst Initials:	SMC		SMC		SMC					
Dilution Factor:	1		1		1					
ANALYTE	**MDL**	**DLR**	**Results**	**DLR**	**Results**	**limit**	**%rec**	**DLR**	**esult**	**DLR**	**Result**
Benzene	5.0	5.0	ND	5.0	ND	21-175	125				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	110				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	127				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	120				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	137				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	108				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	108				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	109				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	121				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	113				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	130				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	140				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	115				
Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	112				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	107				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	114				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	132				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	141				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	138				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	114				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	113				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	110				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	90				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	147				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	131				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	139				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	141				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

.e cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-014		33430-015		33430-016		33430-017		33430-018	
Client Sample I.D.:		MNTNC5-20		MNTNC4-0		MNTNC4-5		MNTNC4-10		MNTNC4-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
',2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-014		33430-015		33430-016		33430-017		33430-018	
Client Sample I.D.:		MNTNC5-20		MNTNC4-0		MNTNC4-5		MNTNC4-10		MNTNC4-15	
Date Sampled:		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS037		P99VOCS037		P99VOCS037		P99VOCS037		P99VOCS037	
Date Analyzed:		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

e cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33430-011		33430-011Dup		33430-012		33430-013	
Client Sample I.D.:		--		MNTNC5-5		MNTNC5-5		MNTNC5-10		MNTNC5-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		33430-011		33430-011Dup		33430-012		33430-013	
Client Sample I.D.:		--		MNTNC5-5		MNTNC5-5		MNTNC5-10		MNTNC5-15	
Date Sampled:		--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS037		P99VOCS037		P99VOCS037		P99VOCS037		P99VOCS037	
Date Analyzed:		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

e cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil (ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Thu Feb 25 18:44:33 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-10.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0301B.D	PMD0301B.D
Sample :	33430-10 spike	33430-10 spike dup
Acq Time:	2 Mar 1999 1:30 am	2 Mar 1999 1:57 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	117	111	117	111	4	20	58-156
benzene	0.0	100	116	110	116	110	5	12	72-134
trichloroethene	0.0	100	123	115	123	115	7	16	55-145
toluene	0.0	100	97	92	97	92	5	16	73-127
chlorobenzene	0.0	100	101	99	101	99	2	11	80-119

QCBATCH#P99VOCS036

Reviewed/Approved By: _____ Date: 03/11/99

Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33430-005		33430-006		33430-010		33430-010Dup		LCS	
Client Sample I.D.:		MNTNC6-20		MNTNC6-25		MNTNC5-0		MNTNC5-0		---	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	limits	%rec
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	145
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	123
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	112
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	130
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	123
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	108
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	95
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	101
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	97
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	21-175	140
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	104
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	99
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	108
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	111
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	109
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	107
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	106
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	107
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	108
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	132
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	130
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	127
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	128
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	21-175	110
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	100
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	101
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	112
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	108

ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-005		33430-006		33430-010		33430-010Dup		LCS	
Client Sample I.D.:		MNTNC6-20		MNTNC6-25		MNTNC5-0		MNTNC5-0		---	
Date Sampled:		02/23/99		02/23/99		02/23/99		02/23/99		---	
QC Batch #:		P99VOCS036		P99VOCS036		P99VOCS036		P99VOCS036		P99VOCS036	
Date Analyzed:		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	limits	%rec
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	122
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	105
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	124
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	115
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	123
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	95
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	97
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	93
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	118
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	111
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	119
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	134
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	103
2-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	102
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	95
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	112
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	21-175	111
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	135
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	131
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	110
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	105
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	104
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	85
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	141
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	120
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	127
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	21-175	137

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33430-001		33430-002		33430-003		33430-004	
Client Sample I.D.:		--		MNTNC6-0		MNTNC6-5		MNTNC6-10		MNTNC6-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		33430-001		33430-002		33430-003		33430-004	
Client Sample I.D.:		--		MNTNC6-0		MNTNC6-5		MNTNC6-10		MNTNC6-15	
Date Sampled:		--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS036		P99VOCS036		P99VOCS036		P99VOCS036		P99VOCS036	
Date Analyzed:		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

March 24, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White
SUBJECT: AMENDED REPORT

Client's Project: Gateway, #S8130-0699A
Lab No.: 33430-001/053

The report was amended for the following:

Results for Hexachloroethane by 8270 for samples MNTNC6, MNTNC1& MED2 were changed

Please disregard all previous documentation that corresponds to the pages(s) enclosed.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

April 20, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White
SUBJECT: AMENDED REPORT

Client's Project: Gateway, #S8130-0699A
Lab No.: 33430-001/053

The report was amended for the following:

The date analyzed for sample 33430-049 MED6-0 was changed.

Please disregard all previous documentation that corresponds to the pages(s) enclosed.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

March 12, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Gateway, #S8130-06-99A
Lab No.: 33430-001/053

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: S8130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time:
Received by: (Signature and Printed Name) Diana Walwan Date: 2-23-99 Time: 0830

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2,22,99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Filter groundwater for metal analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M (TPHG/BTEX/COMBINATION); 8015M (TPHD) (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); Title 22 Metals; pH; VOCs; SVOCs

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ☐

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
	33692-047	MNTNC3	2/22	1719	E	3	VG	
	048	MNTNC3	↓	1719	E	2	LG	
	049	MNTNC3	↓	1719	E	2	JP	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=N[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: **White** with repo[illegible] **Yellow** to folder, **Pink** to submitter.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33430-033		33430-033Dup		LCS					
Client Sample I.D.:		MNTNC2-15		MNTNC2-15		---					
Date Sampled:		02/23/99		02/23/99		---					
QC Batch #:		P99VOCS038		P99VOCS038		P99VOCS038					
Date Analyzed:		03/03/99		03/03/99		03/03/99					
Analyst Initials:		SMC		SMC		SMC					
Dilution Factor:		1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limit	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	96				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	86				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	94				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	88				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	99				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	80				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	83				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	80				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	94				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	87				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	92				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	105				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	80				
-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	85				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	78				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	86				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	85				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	98				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	99				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	87				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	85				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	86				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	60				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	105				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	92				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	99				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	108				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

he cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		33430-033		33430-033Dup		LCS					
Client Sample I.D.:		MNTNC2-15		MNTNC2-15		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	109				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	97				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	86				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	105				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	96				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	85				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	84				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	86				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	82				
Methylene Chloride	15	15	ND	15	ND	21-175	105				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	83				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	84				
Styrene	5.0	5.0	ND	5.0	ND	21-175	84				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	86				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	86				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	87				
Toluene	5.0	5.0	ND	5.0	ND	21-175	84				
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	89				
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	91				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	104				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	102				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	97				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	94				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	87				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	84				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	85				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	85				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	87				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/11/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Wed Mar 03 10:29:03 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-33.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0303A.D	PMD0303A.D
Sample :	33430-33 spike	33430-33 spike dup
Acq Time:	3 Mar 1999 4:56 pm	3 Mar 1999 5:23 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	127	97	127	97	26#	20	58-156
benzene	0.0	100	121	102	121	102	16#	12	72-134
trichloroethene	0.0	100	142	119	142	119	18#	16	55-145
toluene	0.0	100	100	85	100	85	16#	16	73-127
chlorobenzene	0.0	100	99	89	99	89	10	11	80-119

)CBATCH#P99VOCS038
= Outside acceptability limits, data validated by the LCS all compounds within limits.

Reviewed/Approved By: _____ Date: 03/11/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		33430-034		33430-035		33430-036		33430-037	
Client Sample I.D.:		--		MNTNC2-20		MNTNC2-25		MED2-2		MED2-4	
Date Sampled:		--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS039		P99VOCS039		P99VOCS039		P99VOCS039		P99VOCS039	
Date Analyzed:		03/04/99		03/04/99		03/04/99		03/04/99		03/04/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

he cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		33430-034		33430-035		33430-036		33430-037	
Client Sample I.D.:		--		MNTNC2-20		MNTNC2-25		MED2-2		MED2-4	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
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Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-038		33430-039		33430-047		33430-048		33430-049	
Client Sample I.D.:		MED2-6		MED2-8		MED4-0		MED5-0		MED6-0	
Date Sampled:		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		P99VOCS039		P99VOCS039		P99VOCS039		P99VOCS039		P99VOCS039	
Date Analyzed:		03/04/99		03/04/99		03/04/99		03/04/99		03/04/99	
Analyst Initials:		SMC		SMC		SMC		SMC		SMC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

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Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		33430-038		33430-039		33430-047		33430-048		33430-049	
Client Sample I.D.:		MED2-6		MED2-8		MED4-0		MED5-0		MED6-0	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
?,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

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Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:		33430-050		33430-050Dup		LCS					
Client Sample I.D.:		MED7-0		MED7-0		---					
Date Sampled:		02/23/99		02/23/99		---					
QC Batch #:		P99VOCS039		P99VOCS039		P99VOCS039					
Date Analyzed:		03/04/99		03/04/99		03/04/99					
Analyst Initials:		SMC		SMC		SMC					
Dilution Factor:		1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	127				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	103				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	126				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	111				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	140				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	96				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	95				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	126				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	109				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	130				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	145				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	111				
-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	100				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	90				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	109				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	100				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	130				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	129				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	104				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	102				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	103				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	85				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	144				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	121				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	138				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	151				

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Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		33430-050		33430-050Dup		LCS					
Client Sample I.D.:		MED7-0		MED7-0		---					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	156				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	125				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	106				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	146				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	130				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	107				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	103				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	103				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	99				
Methylene Chloride	15	15	ND	15	ND	21-175	146				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	97				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	100				
Styrene	5.0	5.0	ND	5.0	ND	21-175	103				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	107				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	102				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	111				
Toluene	5.0	5.0	ND	5.0	ND	21-175	110				
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	106				
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	109				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	148				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	130				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	132				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	132				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	102				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	100				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	100				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	120				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	107				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Fri Mar 05 09:19:47 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-50.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0304A.D	PMD0304A.D
Sample :	33430-50 spike rerun	33430-50 spike rerun
Acq Time:	5 Mar 1999 2:11 pm	5 Mar 1999 9:51 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	110	103	110	103	7	20	58-156
benzene	0.0	100	109	101	109	101	8	12	72-134
trichloroethene	0.0	100	113	103	113	103	9	16	55-145
toluene	0.0	100	95	89	95	89	7	16	73-127
chlorobenzene	0.0	100	98	95	98	95	3	11	80-119

QCBATCH#P99VOCS039

Reviewed/Approved By: _____ Date: 03/11/99
Lee Ingvaldson
Department Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	Method Blank		33430-051		33430-052		33430-053		33430-051Dup	
Client Sample I.D.:	--		MED1-2		MED1-4		MED1-6		MED1-2	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	P99VOCS040		P99VOCS040		P99VOCS040		P99VOCS040		P99VOCS040	
Date Analyzed:	03/05/99		03/05/99		03/05/99		03/05/99		03/05/99	
Analyst Initials:	SMC		SMC		SMC		SMC		SMC	
Dilution Factor:	1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Result	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ne cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		33430-051		33430-052		33430-053		33430-051Dup	
Client Sample I.D.:		--		MED1-2		MED1-4		MED1-6		MED1-2	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Result	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	ug/kg

EPA Method 8260

Lab No.:	LCS									
Client Sample I.D.:	---									
Date Sampled:	---									
QC Batch #:	P99VOCS040									
Date Analyzed:	03/05/99									
Analyst Initials:	SMC									
Dilution Factor:	1									

ANALYTE	MDL	limits	%rec	DLR	Results	DLR	Result	DLR	esult	DLR	Result
Benzene	5.0	21-175	135								
Bromobenzene	5.0	21-175	116								
Bromodichloromethane	5.0	21-175	137								
Bromoform	5.0	21-175	123								
Bromomethane	5.0	21-175	151								
n-Butylbenzene	5.0	21-175	108								
sec-Butylbenzene	5.0	21-175	110								
tert-Butylbenzene	5.0	21-175	105								
Carbon tetrachloride	5.0	21-175	135								
Chlorobenzene	5.0	21-175	117								
Chloroethane	5.0	21-175	141								
Chloroform	5.0	21-175	158								
Chloromethane	5.0	21-175	119								
-Chlorotoluene	5.0	21-175	115								
4-Chlorotoluene	5.0	21-175	101								
Dibromochloromethane	5.0	21-175	120								
1,2-Dibromo-3-chloropropane	10	21-175	119								
1,2-Dibromoethane	5.0	21-175	145								
Dibromomethane	5.0	21-175	144								
1,2-Dichlorobenzene	5.0	21-175	117								
1,3-Dichlorobenzene	5.0	21-175	114								
1,4-Dichlorobenzene	5.0	21-175	116								
Dichlorodifluoromethane	5.0	21-175	87								
1,1-Dichloroethane	5.0	21-175	155								
1,2-Dichloroethane	5.0	21-175	137								
1,1-Dichloroethene	5.0	21-175	149								
cis-1,2-Dichloroethene	5.0	21-175	160								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

ne cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		LCS									
Client Sample I.D.:		---									
ANALYTE	MDL	limits	%rec	DLR	Results	DLR	Result	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	21-175	162								
1,2-Dichloropropane	5.0	21-175	138								
1,3-Dichloropropane	5.0	21-175	117								
2,2-Dichloropropane	5.0	21-175	159								
1,1-Dichloropropene	5.0	21-175	135								
Ethylbenzene	5.0	21-175	115								
Hexachlorobutadiene	5.0	21-175	111								
Isopropylbenzene	5.0	21-175	115								
p-Isopropyltoluene	5.0	21-175	112								
Methylene Chloride	15	21-175	156								
Naphthalene	5.0	21-175	114								
n-Propylbenzene	5.0	21-175	113								
Styrene	5.0	21-175	111								
1,1,1,2-Tetrachloroethane	5.0	21-175	117								
1,1,2,2-Tetrachloroethane	5.0	21-175	117								
Tetrachloroethene	5.0	21-175	115								
Toluene	5.0	21-175	117								
,2,3-Trichlorobenzene	5.0	21-175	121								
,2,4-Trichlorobenzene	5.0	21-175	124								
1,1,1-Trichloroethane	5.0	21-175	161								
1,1,2-Trichloroethane	5.0	21-175	144								
Trichloroethene	5.0	21-175	139								
Trichlorofluoromethane	5.0	21-175	142								
1,2,3-Trichloropropane	10	21-175	119								
1,2,4-Trimethylbenzene	5.0	21-175	114								
1,3,5-Trimethylbenzene	5.0	21-175	115								
Vinyl Chloride	5.0	21-175	124								
Xylenes (Total)	5.0	21-175	114								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0224.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Fri Mar 05 09:19:47 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-53.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0305A.D	PMD0305A.D
Sample :	33430-53 spike	33430-53 spike dup
Acq Time:	5 Mar 1999 1:16 pm	5 Mar 1999 1:44 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	113	99	113	99	13	20	58-156
benzene	0.0	100	108	102	108	102	6	12	72-134
trichloroethene	0.0	100	111	105	111	105	5	16	55-145
toluene	0.0	100	93	86	93	86	7	16	73-127
chlorobenzene	0.0	100	96	95	96	95	1	11	80-119

)CBATCH#P99VOCS040

Reviewed/Approved By: _____ Date: 03/11/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Water
Units: ug/L

EPA Method 8260

Lab No.:		Method Blank		33430-007		33430-027		33430-040			
Client Sample I.D.:		--		MNTNC6		MNTNC1		MED2			
Date Sampled:		--		02/23/99		02/23/99		02/23/99			
QC Batch #:		Q99VOCW045		Q99VOCW045		Q99VOCW045		Q99VOCW045			
Date Analyzed:		03/01/99		03/01/99		03/01/99		03/01/99			
Analyst Initials:		EM		EM		EM		EM			
Dilution Factor:		1		1		1		1			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5	5	ND	5	ND	5	ND	5	ND		
Bromobenzene	5	5	ND	5	ND	5	ND	5	ND		
Bromodichloromethane	5	5	ND	5	ND	5	ND	5	ND		
Bromoform	5	5	ND	5	ND	5	ND	5	ND		
Bromomethane	5	5	ND	5	ND	5	ND	5	ND		
n-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND		
sec-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND		
tert-Butylbenzene	5	5	ND	5	ND	5	ND	5	ND		
Carbon tetrachloride	5	5	ND	5	ND	5	ND	5	ND		
Chlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
Chloroethane	5	5	ND	5	ND	5	ND	5	ND		
Chloroform	5	5	ND	5	ND	5	ND	5	ND		
Chloromethane	5	5	ND	5	ND	5	ND	5	ND		
Chlorotoluene	5	5	ND	5	ND	5	ND	5	ND		
4-Chlorotoluene	5	5	ND	5	ND	5	ND	5	ND		
Dibromochloromethane	5	5	ND	5	ND	5	ND	5	ND		
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND		
1,2-Dibromoethane	5	5	ND	5	ND	5	ND	5	ND		
Dibromomethane	5	5	ND	5	ND	5	ND	5	ND		
1,2-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
1,3-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
1,4-Dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
Dichlorodifluoromethane	5	5	ND	5	ND	5	ND	5	ND		
1,1-Dichloroethane	5	5	ND	5	ND	5	ND	5	ND		
1,2-Dichloroethane	5	5	ND	5	ND	5	ND	5	ND		
1,1-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND		
cis-1,2-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Water**
Units:	**ug/L**

EPA Method 8260

Lab No.:		Method Blank		33430-007		33430-027		33430-040			
Client Sample I.D.:		--		MNTNC6		MNTNC1		MED2			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5	5	ND	5	ND	5	ND	5	ND		
1,2-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND		
1,3-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND		
2,2-Dichloropropane	5	5	ND	5	ND	5	ND	5	ND		
1,1-Dichloropropene	5	5	ND	5	ND	5	ND	5	ND		
Ethylbenzene	5	5	ND	5	ND	5	ND	5	ND		
Hexachlorobutadiene	5	5	ND	5	ND	5	ND	5	ND		
Isopropylbenzene	5	5	ND	5	ND	5	ND	5	ND		
p-Isopropyltoluene	5	5	ND	5	ND	5	ND	5	ND		
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND		
Naphthalene	5	5	ND	5	ND	5	ND	5	ND		
n-Propylbenzene	5	5	ND	5	ND	5	ND	5	ND		
Styrene	5	5	ND	5	ND	5	ND	5	ND		
1,1,1,2-Tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND		
1,1,2,2-Tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND		
Tetrachloroethene	5	5	ND	5	ND	5	ND	5	ND		
Toluene	5	5	ND	5	ND	5	ND	5	ND		
1,2,3-Trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
1,2,4-Trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND		
1,1,1-Trichloroethane	5	5	ND	5	ND	5	ND	5	ND		
1,1,2-Trichloroethane	5	5	ND	5	ND	5	ND	5	ND		
Trichloroethene	5	5	ND	5	ND	5	ND	5	ND		
Trichlorofluoromethane	5	5	ND	5	ND	5	ND	5	ND		
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND		
1,2,4-Trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND		
1,3,5-Trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND		
Vinyl Chloride	5	5	ND	5	ND	5	ND	5	ND		
Xylenes (Total)	5	5	ND	5	ND	5	ND	5	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/11/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (ug/l)

Method : C:\HPCHEM\1\METHODS\QW990210.M
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Mon Feb 15 13:25:56 1999
Response via : Initial Calibration

Non-Spiked Sample: QB0301B.D

	Spike Sample	Spike Duplicate Sample
File ID :	QL0301A.D	QL0301B.D
Sample :	LCS 50 PPB 8260 (V2W20216)	LCS DUP 50 PPB 8260 (V2W20216)
Acq Time:	1 Mar 99 10:34 am	1 Mar 99 11:02 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	50	50	51	97	99	2	21	61-151
benzene	0.0	50	51	52	100	101	2	15	73-131
trichloroethene	0.0	50	52	51	102	101	1	15	72-128
toluene	0.0	50	54	52	106	102	4	14	63-140
chlorobenzene	0.0	50	51	57	101	113	11	11	81-115

QC BATCH #Q99VOCW045

Reviewed and Approved by: _____ Date: 03/4/99
Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C Date Amended: 03/17/99

EPA Method 8270C

Lab No.:	Method Blank		33430-008		33430-028		33430-041		LCS			
Client Sample I.D.:	--		MNTNC6		MNTNC1		MED2		---			
Date Sampled:	--		02/23/99		02/23/99		02/23/99					
QC Batch #:	S998270W037		S998270W037		S998270W037		S998270W037		S998270W037			
Date Extracted:	03/02/99		03/02/99		03/02/99		03/02/99		03/02/99			
Date Analyzed:	03/02/99		03/03/99		03/03/99		03/03/99		03/02/99			
Analyst Initials:	SC		SC		SC		SC		SC			
Dilution Factor:	1		1		1		1		1			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	%Rec	DLR	Results
Phenol	10	10	ND	10	ND	10	ND	10	ND	9-147	28		
bis (2-Chloroethyl)ether	10	10	ND	10	ND	10	ND	10	ND	9-147	72		
2-Chlorophenol	10	10	ND	10	ND	10	ND	10	ND	9-147	59		
1,3-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	80		
1,4-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	84		
Benzyl Alcohol	10	10	ND	10	ND	10	ND	10	ND	9-147	87		
1,2-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	90		
2-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	9-147	57		
bis(2-chloroisopropyl)ether	10	10	ND	10	ND	10	ND	10	ND	9-147	81		
n-Nitroso-di-n-propylamine	10	10	ND	10	ND	10	ND	10	ND	9-147	80		
4-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	9-147	52		
Hexachloroethane	10	10	ND	10	ND	10	ND	10	ND	9-147	81		
Nitrobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	100		
Isophorone	10	10	ND	10	ND	10	ND	10	ND	9-147	120		
2-Nitrophenol	10	10	ND	10	ND	10	ND	10	ND	9-147	71		
2,4-Dimethylphenol	10	10	ND	10	ND	10	ND	10	ND	9-147	65		
bis(2-Chloroethoxy)methane	10	10	ND	10	ND	10	ND	10	ND	9-147	75		
2,4-Dichlorophenol	10	10	ND	10	ND	10	ND	10	ND	9-147	68		
Benzoic Acid	50	50	ND	50	ND	50	ND	50	ND	9-147	ND		
1,2,4-Trichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	75		
Naphthalene	10	10	ND	10	ND	10	ND	10	ND	9-147	69		
4-Chloroaniline	10	10	ND	10	ND	10	ND	10	ND	9-147	70		
Hexachlorobutadiene	10	10	ND	10	ND	10	ND	10	ND	9-147	85		
4-Chloro-3-methylphenol	10	10	ND	10	ND	10	ND	10	ND	9-147	68		
2-Methylnaphthalene	10	10	ND	10	ND	10	ND	10	ND	9-147	94		
Hexachlorocyclopentadiene	10	10	ND	10	ND	10	ND	10	ND	9-147	110		
2,4,6-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	9-147	75		
2,4,5-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	9-147	79		
2-Chloronaphthalene	10	10	ND	10	ND	10	ND	10	ND	9-147	100		
2-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	9-147	74		
Dimethylphthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	78		
Acenaphthylene	10	10	ND	10	ND	10	ND	10	ND	9-147	76		
2,6-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	9-147	110		
3-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	9-147	100		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C Date Amended: 03/17/99

EPA Method 8270C

Lab No.:		Method Blank		33430-008		33430-028		33430-041		LCS			
Client Sample I.D.:		---		MNTNC6		MNTNC1		MED2		---			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	%Rec	DLR	Results
Acenaphthene	10	10	ND	10	ND	10	ND	10	ND	9-147	73		
2,4-Dinitrophenol	20	20	ND	20	ND	20	ND	20	ND	9-147	66		
Dibenzofuran	10	10	ND	10	ND	10	ND	10	ND	9-147	98		
4-Nitrophenol	20	20	ND	20	ND	20	ND	20	ND	9-147	23		
2,4-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	9-147	0		
Fluorene	10	10	ND	10	ND	10	ND	10	ND	9-147	74		
Diethylphthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	76		
4-Chlorophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	9-147	71		
4-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	9-147	110		
4,6-Dinitro-2-methylphenol	20	20	ND	20	ND	20	ND	20	ND	9-147	110		
n-Nitrosodiphenylamine	10	10	ND	10	ND	10	ND	10	ND	9-147	92		
4-Bromophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	9-147	80		
Hexachlorobenzene	10	10	ND	10	ND	10	ND	10	ND	9-147	120		
Pentachlorophenol	20	20	ND	20	ND	20	ND	20	ND	9-147	110		
Phenanthrene	10	10	ND	10	ND	10	ND	10	ND	9-147	87		
Anthracene	10	10	ND	10	ND	10	ND	10	ND	9-147	87		
Di-n-butylphthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	89		
Fluoranthene	10	10	ND	10	ND	10	ND	10	ND	9-147	88		
Pyrene	10	10	ND	10	ND	10	ND	10	ND	9-147	86		
Butylbenzylphthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	84		
Benzo[a]anthracene	10	10	ND	10	ND	10	ND	10	ND	9-147	84		
3,3'-Dichlorobenzidine	20	20	ND	20	ND	20	ND	20	ND	9-147	110		
Chrysene	10	10	ND	10	ND	10	ND	10	ND	9-147	81		
bis(2-Ethylhexyl)phthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	84		
Di-n-octylphthalate	10	10	ND	10	ND	10	ND	10	ND	9-147	78		
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	9-147	80		
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	9-147	79		
Benzo[a]pyrene	10	10	ND	10	ND	10	ND	10	ND	9-147	73		
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND	10	ND	9-147	98		
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND	10	ND	9-147	100		
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND	10	ND	9-147	33		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/17/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Matrix: Soil

METHOD 8015B (M) (Gasoline)

Lab No.:			Method Blank		33430-037		33430-038		33430-039		33430-047		33430-048		33430-049		33430-050			
Client Sample I.D.:			--		MED2-4		MED2-6		MED2-8		MED4-0		MED5-0		MED6-0		MED7-0			
Date Sampled:			--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99			
QC Batch #:			GAS99-004		GAS99-004		GAS99-004		GAS99-004		GAS99-004		GAS99-004		GAS99-004		GAS99-004			
Date Analyzed:			03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99			
Analyst Initials:			YP		YP		YP		YP		YP		YP		YP		YP			
Dilution Factor:			1		1		1		1		1		1		1		1			
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	L	Results	L	Results		
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND		

Lab No.:			33430-051		33430-052		33430-053		33430-053Dup		LCS									
Client Sample I.D.:			MED1-2		MED1-4		MED1-6		MED1-6		---									
Date Sampled:			02/23/99		02/23/99		02/23/99		02/23/99		---									
QC Batch #:			GAS99-004		GAS99-004		GAS99-004		GAS99-004		GAS99-004									
Date Analyzed:			03/02/99		03/02/99		03/02/99		03/02/99		03/02/99									
Analyst Initials:			YP		YP		YP		YP		YP									
Dilution Factor:			1		1		1		1		1									
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	Results	%Rec								
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	4.9	97								

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33430-001		33430-002		33430-003		33430-004		33430-004Dup	
Client Sample I.D.:	--		MNTNC6-0		MNTNC6-5		MNTNC6-10		MNTNC6-15		MNTNC6-15	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	R998270S038		R998270S038		R998270S038		R998270S038		R998270S038		R998270S038	
Date Extracted:	03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Date Analyzed:	03/02/99		03/04/99		03/04/99		03/04/99		03/04/99		03/04/99	
Analyst Initials:	ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:	1		40 *		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	26400	ND	660	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	26400	ND	660	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	26400	ND	660	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	26400	ND	660	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
* = Matrix requires dilution

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-001		33430-002		33430-003		33430-004		33430-004Dup	
Client Sample I.D.:		---		MNTNC6-0		MNTNC6-5		MNTNC6-10		MNTNC6-15		MNTNC6-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	26400	ND	660	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	13200	ND	330	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33430-005		33430-006		33430-010		33430-011		33430-012	
Client Sample I.D.:	--		MNTNC6-20		MNTNC6-25		MNTNC5-0		MNTNC5-5		MNTNC-15	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	R998270S038		R998270S038		R998270S038		R998270S038		R998270S038		R998270S038	
Date Extracted:	03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Date Analyzed:	03/03/99		03/04/99		03/04/99		03/04/99		03/04/99		03/04/99	
Analyst Initials:	ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:	1		1		1		40 *		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	26400	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Isophorone	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Naphthalene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	26400	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	26400	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	26400	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

* = Matrix requires dilution

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-005		33430-006		33430-010		33430-011		33430-012	
Client Sample I.D.:		---		MNTNC6-20		MNTNC6-25		MNTNC5-0		MNTNC5-5		MNTNC-15	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Fluorene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Anthracene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Fluoranthene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Pyrene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	26400	ND	660	ND	660	ND
Chrysene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	13200	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:	Method Blank			33430-013		LCS							
Client Sample I.D.:	--			MNTNC5-15		---							
Date Sampled:	--			02/23/99		---							
QC Batch #:	R998270S038			R998270S038		R998270S038							
Date Extracted:	03/02/99			03/02/99		03/02/99							
Date Analyzed:	03/03/99			03/04/99		03/03/99							
Analyst Initials:	ZL			ZL		ZL							
Dilution Factor:	1			1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	Limits	%REC	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	11-182	62						
bis (2-Chloroethyl)ether	330	330	ND	330	ND	11-182	63						
2-Chlorophenol	330	330	ND	330	ND	11-182	62						
1,3-Dichlorobenzene	330	330	ND	330	ND	11-182	89						
1,4-Dichlorobenzene	330	330	ND	330	ND	11-182	93						
Benzyl Alcohol	660	660	ND	660	ND	11-182	71						
1,2-Dichlorobenzene	330	330	ND	330	ND	11-182	99						
2-Methylphenol	330	330	ND	330	ND	11-182	69						
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	11-182	66						
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	11-182	63						
4-Methylphenol	330	330	ND	330	ND	11-182	69						
Hexachloroethane	330	330	ND	330	ND	11-182	93						
Nitrobenzene	330	330	ND	330	ND	11-182	106						
Isophorone	330	330	ND	330	ND	11-182	110						
2-Nitrophenol	330	330	ND	330	ND	11-182	60						
2,4-Dimethylphenol	330	330	ND	330	ND	11-182	67						
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	11-182	63						
2,4-Dichlorophenol	1700	1700	ND	1700	ND	11-182	63						
Benzoic Acid	1700	1700	ND	1700	ND	11-182	88						
1,2,4-Trichlorobenzene	330	330	ND	330	ND	11-182	96						
Naphthalene	330	330	ND	330	ND	11-182	63						
4-Chloroaniline	660	660	ND	660	ND	11-182	48						
Hexachlorobutadiene	330	330	ND	330	ND	11-182	93						
4-Chloro-3-methylphenol	660	660	ND	660	ND	11-182	66						
2-Methylnaphthalene	330	330	ND	330	ND	11-182	98						
Hexachlorocyclopentadiene	660	660	ND	660	ND	11-182	126						
2,4,6-Trichlorophenol	330	330	ND	330	ND	11-182	64						
2,4,5-Trichlorophenol	330	330	ND	330	ND	11-182	68						
2-Chloronaphthalene	330	330	ND	330	ND	11-182	106						
2-Nitroaniline	1700	1700	ND	1700	ND	11-182	68						
Dimethylphthalate	330	330	ND	330	ND	11-182	69						
Acenaphthylene	330	330	ND	330	ND	11-182	67						
2,6-Dinitrotoluene	330	330	ND	330	ND	11-182	119						
3-Nitroaniline	1700	1700	ND	1700	ND	11-182	69						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-013		LCS							
Client Sample I.D.:		---		MNTNC5-15		---							
ANALYTE	MDL	DLR	Results	DLR	Results	Limits	%REC	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	11-182	63						
2,4-Dinitrophenol	1700	1700	ND	1700	ND	11-182	54						
Dibenzofuran	330	330	ND	330	ND	11-182	105						
4-Nitrophenol	1700	1700	ND	1700	ND	11-182	64						
2,4-Dinitrotoluene	330	330	ND	330	ND	11-182	119						
Fluorene	330	330	ND	330	ND	11-182	67						
Diethylphthalate	330	330	ND	330	ND	11-182	67						
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	11-182	65						
4-Nitroaniline	1700	1700	ND	1700	ND	11-182	82						
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	11-182	69						
n-Nitrosodiphenylamine	330	330	ND	330	ND	11-182	73						
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	11-182	62						
Hexachlorobenzene	330	330	ND	330	ND	11-182	113						
Pentachlorophenol	1700	1700	ND	1700	ND	11-182	74						
Phenanthrene	330	330	ND	330	ND	11-182	70						
Anthracene	330	330	ND	330	ND	11-182	69						
Di-n-butylphthalate	330	330	ND	330	ND	11-182	73						
Fluoranthene	330	330	ND	330	ND	11-182	75						
Pyrene	330	330	ND	330	ND	11-182	74						
Butylbenzylphthalate	330	330	ND	330	ND	11-182	71						
Benzo[a]anthracene	330	330	ND	330	ND	11-182	71						
3,3'-Dichlorobenzidine	660	660	ND	660	ND	11-182	79						
Chrysene	330	330	ND	330	ND	11-182	72						
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	11-182	70						
Di-n-octylphthalate	330	330	ND	330	ND	11-182	63						
Benzo[b]fluoranthene	330	330	ND	330	ND	11-182	67						
Benzo[k]fluoranthene	330	330	ND	330	ND	11-182	75						
Benzo[a]pyrene	330	330	ND	330	ND	11-182	75						
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	11-182	84						
Dibenz[a,h,]anthracene	330	330	ND	330	ND	11-182	91						
Benzo[g,h,i]perylene	330	330	ND	330	ND	11-182	90						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Method : C:\HPCHEM\1\METHODS\8270G.M
Title : 8270C Advanced Technology Laboratory
Last Update : Wed Mar 03 16:05:59 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0303B.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0303B.D	RMD0303B.D
Sample :	MSBLANK R998270S038	MSBLANK R998270S038
Acq Time:	3 Mar 99 8:47 pm	3 Mar 99 9:30 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	121	145	60	72	18	21	12- 78
2-Chlorophenol	0.0	200	124	147	62	73	16	24	30- 91
1,4-Dichlorobenzene	0.0	100	54	64	54	64	17	18	36- 87
N-Nitroso-di-n-propy	0.0	100	65	79	65	79	19	21	31-114
1,2,4-Trichlorobenze	0.0	100	61	70	61	70	13	18	38-100
4-Chloro-3-methylphe	0.0	200	126	148	63	74	16	16	35-102
Acenaphthene	0.0	100	66	78	66	78	17	17	46- 94
4-Nitrophenol	0.0	200	117	151	58	75	26	58	10- 91
2,4-Dinitrotoluene	0.0	100	71	86	71	86	20	20	42-115
Pentachlorophenol	0.0	200	128	159	64	80	22	51	8-125
Pyrene	0.0	100	73	85	73	85	16	16	36-114

BATCH QC# R998270S038

Reviewed/Approved by: _____ Date: 03/12/99

Lee Ingvaldson
Organics Supervisor

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-014		33430-014Dup		33430-015		33430-016		33430-017	
Client Sample I.D.:		--		MNTNC5-20		MNTNC5-20		MNTNC4-0		MNTNC4-5		MNTNC4-10	
Date Sampled:		--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:		R998270S039		R998270S039		R998270S039		R998270S039		R998270S039		R998270S039	
Date Extracted:		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99		03/02/99	
Date Analyzed:		03/04/99		03/05/99		03/05/99		03/05/99		03/05/99		03/05/99	
Analyst Initials:		ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:		1		1		1		1		1		2	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	1320	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	1320	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	1320	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	1320	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-014		33430-014Dup		33430-015		33430-016		33430-017	
Client Sample I.D.:		---		MNTNC5-20		MNTNC5-20		MNTNC4-0		MNTNC4-5		MNTNC4-10	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	3400	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	1320	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	660	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-0699A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	33430-018	33430-019	33430-020	33430-021	33430-022
Client Sample I.D.:	--	MNTNC4-15	MNTNC4-20	MNTNC4-25	MNTNC1-0	MNTNC1-5
Date Sampled:	--	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
QC Batch #:	R998270S039	R998270S039	R998270S039	R998270S039	R998270S039	R998270S039
Date Extracted:	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99
Date Analyzed:	03/04/99	03/05/99	03/05/99	03/05/99	03/05/99	03/05/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	1	1	1	1	40 *

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

* = Matrix requires dilution

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-018		33430-019		33430-020		33430-021		33430-022	
Client Sample I.D.:		---		MNTNC4-15		MNTNC4-20		MNTNC4-25		MNTNC1-0		MNTNC1-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-0699A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	LCS	33430-023			
Client Sample I.D.:	--	--	MNTNC1-10			
Date Sampled:	--	--	02/23/99			
QC Batch #:	R998270S039	R998270S039	R998270S039			
Date Extracted:	03/02/99	03/02/99	03/02/99			
Date Analyzed:	03/05/99	03/05/99	03/05/99			
Analyst Initials:	ZL	ZL	ZL			
Dilution Factor:	1	1	1			

ANALYTE	MDL	DLR	Results	LIMITS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	11-182	64	330	ND						
bis (2-Chloroethyl)ether	330	330	ND	11-182	100	330	ND						
2-Chlorophenol	330	330	ND	11-182	63	330	ND						
1,3-Dichlorobenzene	330	330	ND	11-182	93	330	ND						
1,4-Dichlorobenzene	330	330	ND	11-182	97	330	ND						
Benzyl Alcohol	660	660	ND	11-182	71	660	ND						
1,2-Dichlorobenzene	330	330	ND	11-182	104	330	ND						
2-Methylphenol	330	330	ND	11-182	68	330	ND						
bis(2-chloroisopropyl)ether	330	330	ND	11-182	69	330	ND						
n-Nitroso-di-n-propylamine	330	330	ND	11-182	63	330	ND						
4-Methylphenol	330	330	ND	11-182	68	330	ND						
Hexachloroethane	330	330	ND	11-182	102	330	ND						
Nitrobenzene	330	330	ND	11-182	108	330	ND						
Isophorone	330	330	ND	11-182	112	330	ND						
2-Nitrophenol	330	330	ND	11-182	60	330	ND						
2,4-Dimethylphenol	330	330	ND	11-182	65	330	ND						
bis(2-Chloroethoxy)methane	330	330	ND	11-182	64	330	ND						
2,4-Dichlorophenol	1700	1700	ND	11-182	61	1700	ND						
Benzoic Acid	1700	1700	ND	11-182	99	1700	ND						
1,2,4-Trichlorobenzene	330	330	ND	11-182	97	330	ND						
Naphthalene	330	330	ND	11-182	64	330	ND						
4-Chloroaniline	660	660	ND	11-182	52	660	ND						
Hexachlorobutadiene	330	330	ND	11-182	95	330	ND						
4-Chloro-3-methylphenol	660	660	ND	11-182	65	660	ND						
2-Methylnaphthalene	330	330	ND	11-182	98	330	ND						
Hexachlorocyclopentadiene	660	660	ND	11-182	108	660	ND						
2,4,6-Trichlorophenol	330	330	ND	11-182	62	330	ND						
2,4,5-Trichlorophenol	330	330	ND	11-182	67	330	ND						
2-Chloronaphthalene	330	330	ND	11-182	107	330	ND						
2-Nitroaniline	1700	1700	ND	11-182	64	1700	ND						
Dimethylphthalate	330	330	ND	11-182	69	330	ND						
Acenaphthylene	330	330	ND	11-182	67	330	ND						
2,6-Dinitrotoluene	330	330	ND	11-182	118	330	ND						
3-Nitroaniline	1700	1700	ND	11-182	65	1700	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		LCS		33430-023							
Client Sample I.D.:		---		---		MNTNC1-10							
ANALYTE	MDL	DLR	Results	LIMTS	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	11-182	64	330	ND						
2,4-Dinitrophenol	1700	1700	ND	11-182	61	1700	ND						
Dibenzofuran	330	330	ND	11-182	103	330	ND						
4-Nitrophenol	1700	1700	ND	11-182	53	1700	ND						
2,4-Dinitrotoluene	330	330	ND	11-182	116	330	ND						
Fluorene	330	330	ND	11-182	68	330	ND						
Diethylphthalate	330	330	ND	11-182	68	330	ND						
4-Chlorophenyl-phenyl ethe	330	330	ND	11-182	64	330	ND						
4-Nitroaniline	1700	1700	ND	11-182	75	1700	ND						
4,6-Dinitro-2-methylphenol	1700	1700	ND	11-182	78	1700	ND						
n-Nitrosodiphenylamine	330	330	ND	11-182	72	330	ND						
4-Bromophenyl-phenyl ethe	330	330	ND	11-182	60	330	ND						
Hexachlorobenzene	330	330	ND	11-182	111	330	ND						
Pentachlorophenol	1700	1700	ND	11-182	69	1700	ND						
Phenanthrene	330	330	ND	11-182	71	330	ND						
Anthracene	330	330	ND	11-182	70	330	ND						
Di-n-butylphthalate	330	330	ND	11-182	73	330	ND						
Fluoranthene	330	330	ND	11-182	73	330	ND						
Pyrene	330	330	ND	11-182	73	330	ND						
Butylbenzylphthalate	330	330	ND	11-182	74	330	ND						
Benzo[a]anthracene	330	330	ND	11-182	72	330	ND						
3,3'-Dichlorobenzidine	660	660	ND	11-182	81	660	ND						
Chrysene	330	330	ND	11-182	72	330	ND						
bis(2-Ethylhexyl)phthalate	330	330	ND	11-182	74	330	ND						
Di-n-octylphthalate	330	330	ND	11-182	72	330	ND						
Benzo[b]fluoranthene	330	330	ND	11-182	70	330	ND						
Benzo[k]fluoranthene	330	330	ND	11-182	78	330	ND						
Benzo[a]pyrene	330	330	ND	11-182	75	330	ND						
Indeno[1,2,3-cd]pyrene	330	330	ND	11-182	77	330	ND						
Dibenz[a,h,]anthracene	330	330	ND	11-182	83	330	ND						
Benzo[g,h,i]perylene	330	330	ND	11-182	79	330	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (ug/Kg)

Method : C:\HPCHEM\1\METHODS\8270G.M
Title : 8270C Advanced Technology Laboratory
Last Update : Wed Mar 03 16:05:59 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0304D.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0307B.D	RMD0307B.D
Sample :	MS BLANK R998270S039	MS BLANK R998270S039
Acq Time:	7 Mar 99 4:19 pm	7 Mar 99 5:02 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	143	129	71	65	10	21	12- 78
2-Chlorophenol	0.0	200	147	136	73	68	8	24	30- 91
1,4-Dichlorobenzene	0.0	100	69	60	69	60	15	18	36- 87
N-Nitroso-di-n-propy	0.0	100	78	72	78	72	9	21	31-114
1,2,4-Trichlorobenze	0.0	100	74	66	74	66	12	18	38-100
4-Chloro-3-methylphe	0.0	200	141	132	70	66	7	16	35-102
Acenaphthene	0.0	100	75	70	75	70	7	17	46- 94
4-Nitrophenol	0.0	200	125	103	62	51	20	58	10- 91
2,4-Dinitrotoluene	0.0	100	81	73	81	73	10	20	42-115
Pentachlorophenol	0.0	200	152	135	76	68	11	51	8-125
Pyrene	0.0	100	82	75	82	75	9	16	36-114

BATCH QC# R998270S039

Reviewed/Approved by: _____ Date: 03/12/99

Lee Ingvaldson
Organics Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-0699A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	33430-024	33430-025	33430-026	33430-030	33430-031
Client Sample I.D.:	--	MNTNC1-15	MNTNC1-20	MNTNC1-25	MNTNC2-0	MNTNC2-5
Date Sampled:	--	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
QC Batch #:	R998270S040	R998270S040	R998270S040	R998270S040	R998270S040	R998270S040
Date Extracted:	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99
Date Analyzed:	03/05/99	03/05/99	03/05/99	03/05/99	03/05/99	03/05/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	1	1	1	1	1

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-024		33430-025		33430-026		33430-030		33430-031	
Client Sample I.D.:		---		MNTNC1-15		MNTNC1-20		MNTNC1-25		MNTNC2-0		MNTNC2-5	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	33430-032	33430-033	33430-034	33430-035	33430-036
Client Sample I.D.:	--	MNTNC2-10	MNTNC2-15	MNTNC2-20	MNTNC2-25	MED2-2
Date Sampled:	--	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
QC Batch #:	R998270S040	R998270S040	R998270S040	R998270S040	R998270S040	R998270S040
Date Extracted:	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99	03/02/99
Date Analyzed:	03/05/99	03/05/99	03/05/99	03/05/99	03/05/99	03/05/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	1	1	1	1	40 *

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-032		33430-033		33430-034		33430-035		33430-036	
Client Sample I.D.:		---		MNTNC2-10		MNTNC2-15		MNTNC2-20		MNTNC2-25		MED2-2	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - soil (ug/Kg)

Method : C:\HPCHEM\1\METHODS\8270G.M
Title : 8270C Advanced Technology Laboratory
Last Update : Wed Mar 03 16:05:59 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0305B.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0307C.D	RMD0307C.D
Sample :	MS BLANK R998270S040	MS BLANK R998270S040
Acq Time:	7 Mar 99 6:28 pm	7 Mar 99 7:11 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	126	140	63	70	11	21	12- 78
2-Chlorophenol	0.0	200	132	148	66	74	12	24	30- 91
1,4-Dichlorobenzene	0.0	100	58	70	58	70	18	18	36- 87
N-Nitroso-di-n-propy	0.0	100	69	79	69	78	13	21	31-114
1,2,4-Trichlorobenze	0.0	100	64	71	64	71	11	18	38-100
4-Chloro-3-methylphe	0.0	200	123	136	61	68	10	16	35-102
Acenaphthene	0.0	100	70	78	70	78	11	17	46- 94
4-Nitrophenol	0.0	200	110	126	55	63	13	58	10- 91
2,4-Dinitrotoluene	0.0	100	72	82	72	82	13	20	42-115
Pentachlorophenol	0.0	200	135	149	68	75	10	51	8-125
Pyrene	0.0	100	76	83	76	82	8	16	36-114

ATCH QC# R998270S040

Reviewed/Approved by: _____ Date: 03/12/99
Lee Ingvaldson
Organics Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	33430-037	33430-038	33430-039	33430-047	33430-048
Client Sample I.D.:	--	MED2-4	MED2-6	MED2-8	MED4-0	MED5-0
Date Sampled:	--	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
QC Batch #:	S998270S041	S998270S041	S998270S041	S998270S041	S998270S041	S998270S041
Date Extracted:	03/03/99	03/03/99	03/03/99	03/03/99	03/03/99	03/03/99
Date Analyzed:	03/03/99	03/03/99	03/03/99	03/03/99	03/03/99	03/03/99
Analyst Initials:	ZL	ZL	ZL	ZL	ZL	ZL
Dilution Factor:	1	1	1	1	1	40 *

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzyl Alcohol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	480	13200	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Methylphenol	330	330	ND	330	ND	330	ND	330	ND	330	440	13200	ND
Hexachloroethane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Nitrobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Isophorone	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitrophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dimethylphenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Benzoic Acid	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Naphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloroaniline	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Hexachlorobutadiene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2-Methylnaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Chloronaphthalene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dimethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Acenaphthylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

* = Matrix requires dilution

The cover letter is an integral part of this analytical report.

Client	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**µg/kg**
Extraction Method:	**3550B**

EPA Method 8270C

Lab No.:		Method Blank		33430-037		33430-038		33430-039		33430-047		33430-048	
Client Sample I.D.:		---		MED2-4		MED2-6		MED2-8		MED4-0		MED5-0	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Dibenzofuran	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitrophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluorene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Diethylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Nitroaniline	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Hexachlorobenzene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pentachlorophenol	1700	1700	ND	1700	ND	1700	ND	1700	ND	1700	ND	68000	ND
Phenanthrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-butylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Butylbenzylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	660	ND	660	ND	660	ND	26400	ND
Chrysene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Di-n-octylphthalate	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[a]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	330	ND	330	ND	330	ND	13200	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		33430-049		33430-050		33430-051		33430-052		33430-052DUP	
Client Sample I.D.:	--		MED6-0		MED7-0		MED1-2		MED1-4		MED1-6	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	S998270S041		S998270S041		S998270S041		S998270S041		R998270S041		R998270S041	
Date Extracted:	03/03/99		03/03/99		03/03/99		03/03/99		03/03/99		03/03/99	
Date Analyzed:	03/03/99		03/03/99		03/03/99		03/03/99		03/03/99		03/03/99	
Analyst Initials:	ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:	1		1		40 *		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	660	ND	26400	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	660	ND	26400	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	660	ND	26400	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	660	ND	26400	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
* = Matrix requires dilution
The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		33430-049		33430-050		33430-051		33430-052		33430-052DUP	
Client Sample I.D.:		---		MED6-0		MED7-0		MED1-2		MED1-4		MED1-6	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	1700	ND	68000	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	660	ND	26400	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	330	ND	13200	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, #S8130-0699A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**µg/kg**
Extraction Method:	**3550B**

EPA Method 8270C

Lab No.:		Method Blank		LCS		33430-053							
Client Sample I.D.:		--		--		MED1-6							
Date Sampled:		--		--		02/23/99							
QC Batch #:		S998270S041		S998270S041		R998270S041							
Date Extracted:		03/03/99		03/03/99		03/03/99							
Date Analyzed:		03/03/99		03/03/99		03/04/99							
Analyst Initials:		ZL		ZL		ZL							
Dilution Factor:		1		1		1							
ANALYTE	**MDL**	**DLR**	**Results**	**LIMIT**	**%REC**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**
Phenol	330	330	ND	11-182	70	330	ND						
bis (2-Chloroethyl)ether	330	330	ND	11-182	79	330	ND						
2-Chlorophenol	330	330	ND	11-182	67	330	ND						
1,3-Dichlorobenzene	330	330	ND	11-182	117	330	ND						
1,4-Dichlorobenzene	330	330	ND	11-182	119	330	ND						
Benzyl Alcohol	660	660	ND	11-182	131	660	ND						
1,2-Dichlorobenzene	330	330	ND	11-182	123	330	ND						
2-Methylphenol	330	330	ND	11-182	69	330	ND						
bis(2-chloroisopropyl)ether	330	330	ND	11-182	78	330	ND						
n-Nitroso-di-n-propylamine	330	330	ND	11-182	85	330	ND						
4-Methylphenol	330	330	ND	11-182	74	330	ND						
Hexachloroethane	330	330	ND	11-182	125	330	ND						
Nitrobenzene	330	330	ND	11-182	134	330	ND						
Isophorone	330	330	ND	11-182	146	330	ND						
2-Nitrophenol	330	330	ND	11-182	78	330	ND						
2,4-Dimethylphenol	330	330	ND	11-182	72	330	ND						
bis(2-Chloroethoxy)methane	330	330	ND	11-182	77	330	ND						
2,4-Dichlorophenol	1700	1700	ND	11-182	71	1700	ND						
Benzoic Acid	1700	1700	ND	11-182	159	1700	ND						
1,2,4-Trichlorobenzene	330	330	ND	11-182	115	330	ND						
Naphthalene	330	330	ND	11-182	77	330	ND						
4-Chloroaniline	660	660	ND	11-182	47	660	ND						
Hexachlorobutadiene	330	330	ND	11-182	118	330	ND						
4-Chloro-3-methylphenol	660	660	ND	11-182	82	660	ND						
2-Methylnaphthalene	330	330	ND	11-182	120	330	ND						
Hexachlorocyclopentadiene	660	660	ND	11-182	69	660	ND						
2,4,6-Trichlorophenol	330	330	ND	11-182	75	330	ND						
2,4,5-Trichlorophenol	330	330	ND	11-182	77	330	ND						
2-Chloronaphthalene	330	330	ND	11-182	124	330	ND						
2-Nitroaniline	1700	1700	ND	11-182	81	1700	ND						
Dimethylphthalate	330	330	ND	11-182	86	330	ND						
Acenaphthylene	330	330	ND	11-182	84	330	ND						
2,6-Dinitrotoluene	330	330	ND	11-182	149	330	ND						
3-Nitroaniline	1700	1700	ND	11-182	82	1700	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, #S8130-0699A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		LCS		33430-053							
Client Sample I.D.:		---		---		MED1-6							
ANALYTE	MDL	DLR	Results	LIMIT	%REC	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	11-182	77	330	ND						
2,4-Dinitrophenol	1700	1700	ND	11-182	58	1700	ND						
Dibenzofuran	330	330	ND	11-182	123	330	ND						
4-Nitrophenol	1700	1700	ND	11-182	60	1700	ND						
2,4-Dinitrotoluene	330	330	ND	11-182	145	330	ND						
Fluorene	330	330	ND	11-182	81	330	ND						
Diethylphthalate	330	330	ND	11-182	87	330	ND						
4-Chlorophenyl-phenyl ether	330	330	ND	11-182	77	330	ND						
4-Nitroaniline	1700	1700	ND	11-182	119	1700	ND						
4,6-Dinitro-2-methylphenol	1700	1700	ND	11-182	87	1700	ND						
n-Nitrosodiphenylamine	330	330	ND	11-182	93	330	ND						
4-Bromophenyl-phenyl ether	330	330	ND	11-182	77	330	ND						
Hexachlorobenzene	330	330	ND	11-182	148	330	ND						
Pentachlorophenol	1700	1700	ND	11-182	95	1700	ND						
Phenanthrene	330	330	ND	11-182	91	330	ND						
Anthracene	330	330	ND	11-182	93	330	ND						
Di-n-butylphthalate	330	330	ND	11-182	104	330	ND						
Fluoranthene	330	330	ND	11-182	97	330	ND						
Pyrene	330	330	ND	11-182	94	330	ND						
Butylbenzylphthalate	330	330	ND	11-182	111	330	ND						
Benzo[a]anthracene	330	330	ND	11-182	87	330	ND						
3,3'-Dichlorobenzidine	660	660	ND	11-182	105	660	ND						
Chrysene	330	330	ND	11-182	91	330	ND						
bis(2-Ethylhexyl)phthalate	330	330	ND	11-182	108	330	ND						
Di-n-octylphthalate	330	330	ND	11-182	115	330	ND						
Benzo[b]fluoranthene	330	330	ND	11-182	87	330	ND						
Benzo[k]fluoranthene	330	330	ND	11-182	96	330	ND						
Benzo[a]pyrene	330	330	ND	11-182	90	330	ND						
Indeno[1,2,3-cd]pyrene	330	330	ND	11-182	64	330	ND						
Dibenz[a,h,]anthracene	330	330	ND	11-182	71	330	ND						
Benzo[g,h,i]perylene	330	330	ND	11-182	59	330	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/12/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (ug/Kg)

Method : D:\HPCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Tue Mar 02 09:50:10 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0303A.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0303A.D	SMD0303A.D
Sample :	MSBLANK S998270S041	MSBLANK S998270S041
Acq Time:	3 Mar 1999 2:36 pm	3 Mar 1999 3:12 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	100	99	50	49	1	21	12- 78
2-Chlorophenol	0.0	200	121	124	61	62	2	24	30- 91
1,4-Dichlorobenzene	0.0	100	67	71	67	71	6	18	36- 87
N-Nitroso-di-n-propy	0.0	100	80	84	80	83	4	21	31-114
1,2,4-Trichlorobenze	0.0	100	75	80	75	80	6	18	38-100
4-Chloro-3-methylphe	0.0	200	132	141	66	71	7	16	35-102
Acenaphthene	0.0	100	75	79	75	79	5	17	46- 94
4-Nitrophenol	0.0	200	178	169	88	84	5	58	10- 91
2,4-Dinitrotoluene	0.0	100	89	96	89	96	7	20	42-115
Pentachlorophenol	0.0	200	192	214	96	107	11	51	8-125
Pyrene	0.0	100	85	94	85	94	10	16	36-114

QC Batch #S998270S041

Reviewed/Approved By: _____ Date: 03/12/99

Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33430-001	MNTNC6-0	EPA 9045 (pH)	03/02/99	9.4	Soil, pH units	---	---	OL
33430-002	MNTNC6-5	EPA 9045 (pH)	03/02/99	9.1	Soil, pH units	---	---	OL
33430-003	MNTNC6-10	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL
33430-004	MNTNC6-15	EPA 9045 (pH)	03/02/99	9.6	Soil, pH units	---	---	OL
33430-005	MNTNC6-20	EPA 9045 (pH)	03/02/99	8.8	Soil, pH units	---	---	OL
33430-006	MNTNC6-25	EPA 9045 (pH)	03/02/99	9.0	Soil, pH units	---	---	OL
33430-010	MNTNC5-0	EPA 9045 (pH)	03/02/99	9.5	Soil, pH units	---	---	OL
33430-011	MNTNC5-5	EPA 9045 (pH)	03/02/99	9.0	Soil, pH units	---	---	OL
33430-012	MNTNC5-10	EPA 9045 (pH)	03/02/99	9.4	Soil, pH units	---	---	OL
33430-013	MNTNC5-15	EPA 9045 (pH)	03/02/99	9.5	Soil, pH units	---	---	OL
33430-013Dup	MNTNC5-15	EPA 9045 (pH)	03/02/99	9.5	Soil, pH units	---	---	OL

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33430-014	MNTNC5-20	EPA 9045 (pH)	03/02/99	9.2	Soil, pH units	---	---	OL
33430-015	MNTNC4-0	EPA 9045 (pH)	03/02/99	9.5	Soil, pH units	---	---	OL
33430-016	MNTNC4-5	EPA 9045 (pH)	03/02/99	9.5	Soil, pH units	---	---	OL
33430-017	MNTNC4-10	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL
33430-018	MNTNC4-15	EPA 9045 (pH)	03/02/99	9.7	Soil, pH units	---	---	OL
33430-019	MNTNC4-20	EPA 9045 (pH)	03/02/99	9.2	Soil, pH units	---	---	OL
33430-020	MNTNC4-25	EPA 9045 (pH)	03/02/99	8.6	Soil, pH units	---	---	OL
33430-021	MNTNC1-0	EPA 9045 (pH)	03/02/99	9.2	Soil, pH units	---	---	OL
33430-022	MNTNC1-5	EPA 9045 (pH)	03/02/99	9.0	Soil, pH units	---	---	OL
33430-023	MNTNC1-10	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL
33430-023Dup	MNTNC1-10	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/17/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33430-024	MNTNC1-15	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL
33430-025	MNTNC1-20	EPA 9045 (pH)	03/02/99	9.1	Soil, pH units	---	---	OL
33430-026	MNTNC1-25	EPA 9045 (pH)	03/02/99	8.8	Soil, pH units	---	---	OL
33430-030	MNTNC2-0	EPA 9045 (pH)	03/02/99	9.0	Soil, pH units	---	---	OL
33430-031	MNTNC2-5	EPA 9045 (pH)	03/02/99	9.2	Soil, pH units	---	---	OL
33430-032	MNTNC2-10	EPA 9045 (pH)	03/02/99	8.7	Soil, pH units	---	---	OL
33430-033	MNTNC2-15	EPA 9045 (pH)	03/02/99	9.1	Soil, pH units	---	---	OL
33430-034	MNTNC2-20	EPA 9045 (pH)	03/02/99	8.8	Soil, pH units	---	---	OL
33430-035	MNTNC2-25	EPA 9045 (pH)	03/02/99	8.8	Soil, pH units	---	---	OL
33430-036	MED2-2	EPA 9045 (pH)	03/02/99	8.5	Soil, pH units	---	---	OL
33430-036Dup	MED2-2	EPA 9045 (pH)	03/02/99	8.2	Soil, pH units	---	---	OL

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33430-037	MED2-4	EPA 9045 (pH)	03/02/99	8.8	Soil, pH units	---	---	OL
33430-038	MED2-4	EPA 9045 (pH)	03/02/99	9.3	Soil, pH units	---	---	OL
33430-039	MED2-8	EPA 9045 (pH)	03/02/99	8.5	Soil, pH units	---	---	OL
33430-047	MED4-0	EPA 9045 (pH)	03/02/99	8.4	Soil, pH units	---	---	OL
33430-048	MED5-0	EPA 9045 (pH)	03/02/99	8.0	Soil, pH units	---	---	OL
33430-049	MED6-0	EPA 9045 (pH)	03/02/99	7.3	Soil, pH units	---	---	OL
33430-050	MED7-0	EPA 9045 (pH)	03/02/99	7.5	Soil, pH units	---	---	OL
33430-051	MED1-2	EPA 9045 (pH)	03/02/99	8.3	Soil, pH units	---	---	OL
33430-052	MED1-4	EPA 9045 (pH)	03/02/99	8.7	Soil, pH units	---	---	OL
33430-053	MED1-6	EPA 9045 (pH)	03/02/99	8.7	Soil, pH units	---	---	OL
33430-053Dup	MED1-6	EPA 9045 (pH)	03/02/99	8.7	Soil, pH units	---	---	OL

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MD	DLR	Analyst
33430-009	MNTNC6	EPA 150.1 (pH)	02/24/99	7.62	Water, pH units	---	---	DG
33430-009Dup	MNTNC6	EPA 150.1 (pH)	02/24/99	7.66	Water, pH units	---	---	DG
33430-029	MNTNC1	EPA 150.1 (pH)	02/24/99	7.44	Water, pH units	---	---	DG
33430-042	MED2	EPA 150.1 (pH)	02/24/99	7.04	Water, pH units	---	---	DG

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33430-001	33430-002	33430-003	33430-004	33430-005	33430-006	33430-010	33430-011
Client Sample I.D.:		MNTNC6-0	MNTNC6-5	MNTNC6-10	MNTNC6-15	MNTNC6-20	MNTNC6-25	MNTNC5-0	MNTNC5-5
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.84	ND	ND	ND	ND	0.27	0.44	0.36
Arsenic	0.25	7.6	2.2	1.8	2.8	3.8	0.79	6.1	1.4
Barium	0.050	74	19	15	25	20	13	51	8.7
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	18	21	20	14	17	14	17	15
Cobalt	0.15	12	3.6	3.4	2.5	4.1	2.2	5.9	2.7
Copper	0.15	59	3.3	3.0	2.7	4.7	2.8	11	2.7
Lead	0.25	0.58	1.3	4.9	1.1	4.0	1.0	9.5	2.3
Mercury **	0.10	0.20	ND	0.44	ND	ND	ND	ND	ND
Molybdenum	0.25	2.1	0.28	0.66	0.27	ND	ND	1.1	0.37
Nickel	0.15	7.2	25	23	15	17	13	19	18
Selenium	0.25	0.80	0.36	0.42	ND	0.28	ND	0.52	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	0.29	ND	ND	ND	ND	ND	ND	ND
Vanadium	0.15	68	13	12	8.8	9.3	8.6	26	10
Zinc	0.50	69	9.9	9.0	7.1	13	6.6	34	7.1

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**mg/kg**
Digestion Method:	**EPA 3050**

EPA 6010 (CCR Metals)

Lab No.:		33430-012	33430-013	33430-013Dup	33430-014	33430-015	33430-016	33430-017	33430-018
Client Sample I.D.:		MNTNC5-10	MNTNC5-15	MNTNC5-15	MNTNC5-20	MNTNC4-0	MNTNC4-5	MNTNC4-10	MNTNC4-15
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	**DLR**	**RESULTS**							
Antimony	0.25	ND	ND	ND	0.50	0.75	1.1	0.61	0.43
Arsenic	0.25	1.3	1.4	1.3	1.8	5.6	3.4	1.2	0.86
Barium	0.050	16	21	21	12	52	64	15	14
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	12	16	16	14	6.6	79	18	14
Cobalt	0.15	2.2	2.7	2.7	3.0	11	5.1	2.9	2.4
Copper	0.15	2.7	2.8	2.8	2.8	55	11	2.8	2.7
Lead	0.25	3.0	2.4	2.1	1.6	ND	2.7	1.5	0.76
Mercury **	0.10	ND	ND	ND	ND	0.37	0.15	ND	ND
Molybdenum	0.25	ND	ND	ND	0.37	1.6	32	0.47	ND
Nickel	0.15	15	17	17	16	3.6	8.1	20	16
Selenium	0.25	ND	ND	ND	ND	0.53	0.75	ND	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	0.53	0.49	ND	ND
Vanadium	0.15	8.7	9.0	9.0	8.8	57	31	12	9.1
Zinc	0.50	6.3	8.4	7.0	9.6	86	54	10	8.3

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ **Date:** 3/2/99

Cheryl De Los Reyes

Technical Operations Manager

Method : D:\HPCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Tue Mar 02 14:20:35 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0302C.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0302B.D	SMD0302B.D
Sample :	MSBLANK S998270W037	MSBLANK S998270W037
Acq Time:	2 Mar 1999 11:03 pm	2 Mar 1999 11:39 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	47	48	24	24	0	21	12- 78
2-Chlorophenol	0.0	200	118	121	59	61	2	24	30- 91
1,4-Dichlorobenzene	0.0	100	66	68	66	68	4	18	36- 87
N-Nitroso-di-n-propy	0.0	100	79	80	79	80	1	21	31-114
1,2,4-Trichlorobenze	0.0	100	74	76	74	76	2	18	38-100
4-Chloro-3-methylphe	0.0	200	128	128	64	64	0	16	35-102
Acenaphthene	0.0	100	78	78	78	78	0	17	46- 94
4-Nitrophenol	0.0	200	75	90	37	45	18	58	10- 91
2,4-Dinitrotoluene	0.0	100	91	90	91	90	1	20	42-115
Pentachlorophenol	0.0	200	237	246	119	123	3	51	8-125
Pyrene	0.0	100	92	94	91	93	2	16	36-114

QC Batch #S998270W037

Reviewed/Approved By: _____ Date: 03/12/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

Client: Gecon Environmental

Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 03/24/99

Matrix: Water

METHOD 8015M (Gasoline)

Lab No.:	Method Blank		33430-007		33430-027		33430-027Dup		33430-040		LCS							
Client Sample I.D.:	----		MNTNC6		MNTCN1		MNTCN1		MED2		---							
Date Sampled:	----		02/23/99		02/23/99		02/23/99		02/23/99		---							
QC Batch #:	E998G20W029		E998G20W029		E998G20W029		E998G20W029		E998G20W029		E998G20W029							
Date Analyzed:	03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99							
Analyst Initials:	DJK		DJK		DJK		DJK		DJK		DJK							
Dilution Factor:	1		1		1		1		1		1							
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	% Rec.	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	0.05	mg/l	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	57-129	108						

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____

Lee Ingvaldson, Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\EGBW0216.M (RTE Integrator)
Title : EPA M8015 (Gasoline) / EPA 602 (BTEX)
Last Update : Wed Feb 17 13:31:22 1999
Response via : Initial Calibration

Non-Spiked Sample: EB0301B.D

	Spike Sample	Spike Duplicate Sample
File ID :	EMS0301B.D	EMD0301C.D
Sample :	E998G02W029 BLANK MS (VIW-30119)	E998G02W029 BLANK MSD (VIW-30119
Acq Time:	2 Mar 1999 8:40 am	2 Mar 1999 10:01 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline (mg/L)	ND	1	1	1	95	112	17	18	54-135
Benzene (ug/L)	ND	10	8	8	86	87	2	15	59-134
Toluene (ug/L)	ND	50	62	66	123	131	6	15	59-146

QC Batch#:E998G20W029

Reviewed and Approved by: _____ Date: 3/10/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DW090**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**02/26/99**
		Date Analyzed:	**03/03/99**
Client's Project:	**Gateway , #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Water**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
33430-008	MNTNC6	ND	0.05	1.0
33430-028	MNTNC1	ND	0.05	1.0
33430-041	MED2	ND	0.05	1.0
		%Rec	Limits	
LCS		91	31-129	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: _____ **Date:** 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER (mg/L)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: LB0303B.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0303A.D	LMD0303A.D
Sample :	L998015DW090 BLANK MS	L998015DW090 BLANK MSD
Acq Time:	4 Mar 1999 2:15 am	4 Mar 1999 2:40 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	ND	1000	1040	1149	104	115	10	23	42-142

QC Batch#:L998015DW090

Reviewed and Approved by: _____ Date: 03/12/99
Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS094**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**03/01/99**
		Date Analyzed:	**03/02/99**
Client's Project:	**Gateway , #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene**
Analyst Initials:	**DJK**		**Chloride**

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33430-001	MNTNC6-0	164*	1.0	1.0
33430-002	MNTNC6-5	ND	1.0	1.0
33430-002Dup	MNTNC6-5	ND	1.0	1.0
33430-003	MNTNC6-10	ND	1.0	1.0
33430-004	MNTNC6-15	ND	1.0	1.0
33430-005	MNTNC6-20	ND	1.0	1.0
33430-006	MNTNC6-25	ND	1.0	1.0
33430-010	MNTNC5-0	909*	10	10
33430-011	MNTNC5-5	ND	1.0	1.0
33430-012	MNTNC5-10	ND	1.0	1.0
33430-013	MNTNC5-15	ND	1.0	1.0
		%Rec	Limits	
LCS		92	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly a mixture of** weathered diesel and motor oil. However, quantitation is based on diesel pattern.

Reviewed/Approved By: _____ **Date:** 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS095**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**03/01/99**
		Date Analyzed:	**03/02/99**
Client's Project:	**Gateway , #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33430-014	MNTNC5-20	ND	1.0	1.0
33430-014Dup	MNTNC5-20	ND	1.0	1.0
33430-015	MNTNC4-0	ND	1.0	1.0
33430-016	MNTNC4-5	24*	1.0	1.0
33430-017	MNTNC4-10	ND	1.0	1.0
33430-018	MNTNC4-15	ND	1.0	1.0
33430-019	MNTNC4-20	ND	1.0	1.0
33430-020	MNTNC4-25	18#	1.0	1.0
33430-021	MNTNC1-0	29#	1.0	1.0
33430-022	MNTNC1-5	ND	1.0	1.0
33430-023	MNTNC1-10	ND	1.0	1.0
		%Rec	Limits	
LCS		96	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.** However, quantitation is based on a diesel standard.

 # = Sample contains hydrocarbons that do not match the diesel pattern, possibly a mixture of weathered diesel and motor oil. However, quantitation is based on diesel standard.

Reviewed/Approved By: _____ **Date:** 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS096**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**03/01/99**
		Date Analyzed:	**03/02/99**
Client's Project:	**Gateway , #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33430-024	MNTNC1-15	ND	1.0	1.0
33430-024Dup	MNTNC1-15	ND	1.0	1.0
33430-025	MNTNC1-20	ND	1.0	1.0
33430-026	MNTNC1-25	ND	1.0	1.0
33430-030	MNTNC2-0	ND	1.0	1.0
33430-031	MNTNC2-5	ND	1.0	1.0
33430-032	MNTNC2-10	ND	1.0	1.0
33430-033	MNTNC2-15	ND	1.0	1.0
33430-034	MNTNC2-20	9.4*	1.0	1.0
33430-035	MNTNC2-25	26*	1.0	1.0
33430-036	MED2-2	118#	1.0	1.0
		%Rec	Limits	
LCS		91	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

*** = Sample contains hydrocarbons that do not match the diesel pattern, possibly weathered diesel.**
However, quantitation is based on a diesel standard.

 # = Sample contains hydrocarbons that do not match the diesel pattern, possibly motor oil.
However, quantitation is based on a diesel standard.

Reviewed/Approved By: _____ **Date:** 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS097**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**03/01/99**
		Date Analyzed:	**03/02/99**
Client's Project:	**Gateway , #S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**DJK**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
33430-037	MED2-4	ND	1.0	1.0
33430-038	MED2-6	ND	1.0	1.0
33430-039	MED2-8	ND	1.0	1.0
33430-047	MED4-0	30*	1.0	1.0
33430-048	MED5-0	93#	1.0	1.0
33430-049	MED6-0	81^	1.0	1.0
33430-050	MED7-0	56^	1.0	1.0
33430-051	MED1-2	37^	10	10
33430-051Dup	MED1-2	20^	1.0	1.0
33430-052	MED1-4	ND	1.0	1.0
33430-053	MED1-6	ND	1.0	1.0
		%Rec	Limits	
LCS				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Sample contains hydrocarbons of unknown pattern. However, quantitation is based on a diesel standard.
# = Sample contains hydrocarbons that do not match diesel pattern, possibly motor oil. However, quantitation is based on diesel standard.
^ = Sample contains hydrocarbons that do not match the diesel pattern, possibly weathered diesel. However, quantitation is based on diesel standard.

Reviewed/Approved By: _____ **Date:** 03/12/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-04.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMD0302A.D	LMD0302A.D
Sample :	L998015DS094 33430-004 MS	L998015DS094 33430-004 MS
Acq Time:	2 Mar 1999 8:17 pm	2 Mar 1999 8:17 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	ND	1000	850	850	85	85	0	23	40-140

QC Batch#:L998015DS094

Reviewed and Approved by: _____ Date: 03/11/99
Lee Ingvaldson
Organics Supervisor

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-17.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0302B.D	LMD0302B.D
Sample :	L998015DS095 33430-017 MS	L998015DS095 33430-017 MSD
Acq Time:	3 Mar 1999 1:59 am	3 Mar 1999 2:23 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	ND	1000	829	871	83	87	5	23	40-140

QC Batch#:L998015DS095

Reviewed and Approved by: _____ Date: 03/11/15
Lee Ingvaldson
Organics Supervisor

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-31.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0302C.D	LMD0302C.D
Sample :	L998015DS096 33430-031 MS	L998015DS096 33430-031 MSD
Acq Time:	3 Mar 1999 8:30 am	3 Mar 1999 8:55 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	0.0	1000	848	873	85	87	3	37	40-140

QC Batch # L998015DS096

Reviewed/Approved By: _____ Date: 03/12/99
Lee Ingvaldson
Department Supervisor

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Wed Feb 10 09:21:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 33430-52.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0302D.D	LMD0302D.D
Sample :	L998015DS097 33430-052 MS	L998015DS097 33430-052 MSD
Acq Time:	3 Mar 1999 4:04 pm	3 Mar 1999 4:29 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	ND	1000	.774	838	77	84	8	23	40-140

QC Batch#:L998015DS097

Reviewed and Approved by: _____ Date: 03/12/99
Lee Ingvaldson
Organics Supervisor

CHAIN OF C' TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: SB130-0699A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/23/99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 BNA-GC/MS SVOCs	8015M-TPH/BTEX (COMBINATION)	8015M-TPH(D) Diesel-GC	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000) Title 22 Metals	CAM 9 Metals	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33430-049	MED6-0	2/23	342				X	X	X	X			X	X	X							E	1	J	G	
	50	MED7-0	2/23	339				X	X	X	X			X	X	X								1	L	G	
	51	MED1-2		405				X	X	X	X			X	X	X								1	T	P	
	52	MED1-4		406				X	X	X	X			X	X	X								1	T	P	
	53	MED1-6		409				X	X	X	X			X	X	X								1	T	P	
		[illegible]						X	X	X	X			X	X	X											

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Rio Gateway Project #: SB130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ross White Date: 2/23/19
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 Volatiles-GC/MS	625/8270/BNA-GC/MS	8015M TEHG/BTEX	8015M TPH/D (COMBINATION)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	TPH 22 Metals	6A 0SIX	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33430-040	MED2	2/23	320				X		X								X						E	3	VG		
	41	MED2		320					X		X							X							2	LG		
	42	MED2		320								X	X					X							2	JP		
	43	MED3-2		3141												X								1	TP		
	44	MED3-4		345												X								1	TP		
	45	MED3-6		350												X								1	TP		
	46	MED3-8		357												X								1	TP		
	47	MED4-0		412				X	X	X	X		X	X		X									1	JG		
	48	MED5-0	↓	414				X	X	X	X		X	X		X								↓	1	JG		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with rep... **Yellow** to folder, **Pink** to submitter.

CHAIN OF C[illegible] TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX:(916) 852-9132

Project Name: Gateway Project #: 58130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT)_____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ross White Date: 2/23/99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State_____Zip_____

Special Instructions/Comments:
Filter groundwater samples for metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other_____
☐ Return To:_____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); (8260) (Volatiles-GC/MS) VOCs; 625/8270 (BNA-GC/MS) SVOCs; 8015M-TPH(G)(BTEX COMBINATION); 8015M-TPH(D)(Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); Title 22 Metals; pH; TCLP Metals

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION: QA/QC RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
	33430-030	MNTNC2-0	2/23	132	E	1	T P	
	31	MNTNC2-5		139		1	T P	
	32	MNTNC2-10		148		1	T P	
	33	MNTNC2-15		157		1	T P	
	34	MNTNC2-20		212		1	T P	
	35	MNTNC-25		230		1	T P	
	36	MEDZ-2		304		1	T P	
	37	MEDZ-4		305		1	T P	
	38	MEDZ-6		308		1	T P	
	39	MEDZ-8		309		1	T P	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CU TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: SB130-06 99A Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)
TEST:
ATL #:
DATE:
CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2/23/99
Print Name
[signature]
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Filter groundwater for metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Title 22 Metals 6010 pH 9045			SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33430-020	MNTNC4-25	2/23	1117					X	X	X	X			X	X			X						E	1	T P		
	21	MNTNC#1-0		1155					X	X	X	X			X	X			X							1	T P		
	22	MNTNC1-5		1200					X	X	X	X			X	X			X							1	T P		
	23	MNTNC1-10		1208					X	X	X	X			X	X			X							1	T P		
	24	MNTNC1-15		1215					X	X	X	X			X	X			X							1	T P		
	25	MNTNC1-20		1250					X	X	X	X			X	X			X							1	T P		
	26	MNTNC1-25		107					X	X	X	X			X	X			X							1	T P		
	27	MNTNC1		1230					X		X										X					3	V G		
	28	MNTNC1		1230						X		X									X					2	L G		
	29	MNTNC1		1230											X	X					X					2	J P		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with rep **Yellow** to folder, **Pink** to submitter.

CHAIN OF C[illegible]TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: 58130-06-99A Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2 23 99
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: Filter groundwater sample for metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Total 22 Metals 6010 pH 9045		SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33430-010	MNTNC5-0	2/23	9:11					X	X	X	X			X	X		X							E	1	T P		
	11	MNTNC5-5		9:17					X	X	X	X			X	X		X								1	T P		
	12	MNTNC5-10		9:23					X	X	X	X			X	X		X								1	T P		
	13	MNTNC5-15		9:33					X	X	X	X			X	X		X								1	T P		
	14	MNTNC5-20		9:50					X	X	X	X			X	X		X								1	T P		
	15	MNTNC4-0		1030					X	X	X	X			X	X		X								1	T P		
	16	MNTNC4-5		1037					X	X	X	X			X	X		X								1	T P		
	17	MNTNC4-10		1044					X	X	X	X			X	X		X								1	T P		
	18	MNTNC4-15		1053					X	X	X	X			X	X		X								1	T P		
	19	MNTNC4-20		1104					X	X	X	X			X	X		X								1	T P		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____

P.O.#: _____

Logged By: DB Date: 2-24 Time: 12:20

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Gateway Project #: SB130-06-99A Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 2-24-99 Time: 1030
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 2-23-99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: Filter water samples for Metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M TPH(G/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-60107000) Title 22 Metals	CAM 17 Metals	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	33430-001	MNTNCG-0	2/23	753				X	X	X	X			X	X		X						E	1	T	P	
	002	MNTNCG-5		758				X	X	X	X			X	X		X							1	T	P	
	3	MNTNCG-10		802				X	X	X	X			X	X		X							1	T	P	
	4	MNTNCG-15		810				X	X	X	X			X	X		X							1	T	P	
	5	MNTNCG-20		838				X	X	X	X			X	X		X							1	T	P	
	6	MNTNCG-25		850				X	X	X	X			X	X		X							1	T	P	
	7	MNTNCG		835				X		X								X						3	V	G	
	8	MNTNCG		835					X		X							X						2	L	G	
	9	MNTNCG		835										X	X			X						2	J	P	

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with re... **Yellow** to folder, **Pink** to submitter.

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9060-5
QA File: 9060-5GC

Date Analyzed: 03/01/99
Date Digested: 03/01/99
Sample ID: 33430-053
Matrix: Soil
QC Batch NO:ICAP 990301S-5

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.98	98	ND	0.57	0.39	38	125	108	108	86	86	32-110	0	20	0.25
Arsenic	mg/kg	1.0	1.0	100	ND	1.7	1.0	52	125	119	120	94	95	68-105	1	20	0.25
Barium	mg/kg	1.0	1.0	100	ND	9.5	9.0	5	125	125	124	92	92	22-170	1	20	0.05
Beryllium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	119	118	95	94	47-134	1	20	0.05
Cadmium	mg/kg	1.0	0.97	97	ND	ND	ND	0	125	113	112	90	90	65-106	1	20	0.15
Chromium	mg/kg	1.0	1.00	100	ND	12	12	0	125	127	128	92	93	61-128	1	20	0.15
Cobalt	mg/kg	1.0	0.96	96	ND	2.4	2.3	4	125	112	113	88	88	68-112	1	20	0.15
Copper	mg/kg	1.0	0.91	91	ND	2.4	2.3	4	125	109	108	85	84	60-133	1	20	0.15
Lead	mg/kg	1.0	0.99	99	ND	1.5	1.0	40	125	114	114	90	90	68-106	0	20	0.25
Molybdenum	mg/kg	1.0	1.00	100	ND	0.27	ND	200	125	113	114	90	91	67-107	1	20	0.25
Nickel	mg/kg	1.0	0.96	96	ND	18	17	6	125	128	129	88	89	29-155	1	20	0.15
Selenium	mg/kg	1.0	0.93	93	ND	ND	ND	0	125	102	104	82	83	51-114	2	20	0.25
Silver	mg/kg	0.75	0.89	119	ND	ND	ND	0	125	97	97	78	78	45-111	0	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	119	118	95	94	60-111	1	20	0.25
Vanadium	mg/kg	1.0	1.0	100	ND	6.7	6.8	1	125	121	121	91	91	71-116	0	20	0.15
Zinc	mg/kg	1.0	0.97	97	ND	8.2	7.6	8	125	114	115	85	85	47-128	1	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9060-4
QA File: 9060-4GC

Date Analyzed: 03/01/99
Date Digested: 03/01/99
Sample ID: 33430-036
Matrix: Soil
QC Batch NO:ICAP 990301S-4

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.98	98	ND	0.49	0.59	19	125	105	103	84	82	32-110	2	20	0.25
Arsenic	mg/kg	1.0	1.0	100	ND	2.1	2.2	5	125	123	120	97	94	68-105	2	20	0.25
Barium	mg/kg	1.0	1.0	100	ND	38	37	3	125	159	150	97	90	22-170	6	20	0.05
Beryllium	mg/kg	1.0	1.0	100	ND	0.13	ND	200	125	118	114	94	91	47-134	3	20	0.05
Cadmium	mg/kg	1.0	0.96	96	ND	ND	ND	0	125	110	107	88	86	65-106	3	20	0.15
Chromium	mg/kg	1.0	0.99	99	ND	9.7	10	3	125	127	121	94	89	61-128	5	20	0.15
Cobalt	mg/kg	1.0	0.91	91	ND	3.5	3.8	8	125	111	107	86	83	68-112	4	20	0.15
Copper	mg/kg	1.0	0.97	97	ND	13	14	7	125	138	123	100	88	60-133	11	20	0.15
Lead*	mg/kg	1.0	0.97	97	ND	153	171	11	125	313	245	128	74	68-106	24	20	0.25
Molybdenum	mg/kg	1.0	0.98	98	ND	0.80	1.0	22	125	113	110	90	87	67-107	3	20	0.25
Nickel	mg/kg	1.0	0.94	94	ND	18	18	0	125	129	123	89	84	29-155	5	20	0.15
Selenium	mg/kg	1.0	0.94	94	ND	ND	ND	0	125	106	102	85	82	51-114	4	20	0.25
Silver	mg/kg	0.75	0.89	119	ND	ND	ND	0	125	106	103	85	82	45-111	3	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	118	116	94	93	60-111	2	20	0.25
Vanadium	mg/kg	1.0	1.0	100	ND	17	17	0	125	133	128	93	89	71-116	4	20	0.15
Zinc	mg/kg	1.0	0.96	96	ND	57	60	5	125	179	166	98	87	47-128	8	20	0.50

* REC or RPD out of the limit is due to the sample matrix.

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9060-3
QA File: 9060-3GC

Date Analyzed: 03/01/99
Date Digested: 03/01/99
Sample ID: 33430-023
Matrix: Soil
QC Batch NO:ICAP 990301S-3

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.96	96	ND	0.64	0.64	0	125	100	100	79	79	32-110	0	20	0.25
Arsenic	mg/kg	1.0	1.0	100	ND	3.0	1.6	61	125	118	119	92	93	68-105	1	20	0.25
Barium	mg/kg	1.0	1.0	100	ND	40	36	11	125	156	154	93	91	22-170	1	20	0.05
Beryllium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	114	115	91	92	47-134	1	20	0.05
Cadmium	mg/kg	1.0	0.97	97	ND	ND	ND	0	125	109	111	87	89	65-106	2	20	0.15
Chromium	mg/kg	1.0	0.96	96	ND	37	27	31	125	144	144	86	86	61-128	0	20	0.15
Cobalt	mg/kg	1.0	0.89	89	ND	5.3	4.3	21	125	109	109	83	83	68-112	0	20	0.15
Copper	mg/kg	1.0	1.0	100	ND	5.3	4.7	12	125	118	118	90	90	60-133	0	20	0.15
Lead	mg/kg	1.0	0.98	98	ND	2.3	2.0	14	125	113	114	89	89	68-106	1	20	0.25
Molybdenum	mg/kg	1.0	0.98	98	ND	0.68	0.48	34	125	109	110	87	87	67-107	1	20	0.25
Nickel	mg/kg	1.0	0.93	93	ND	42	34	21	125	146	145	83	82	29-155	1	20	0.15
Selenium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	101	102	81	82	51-114	1	20	0.25
Silver	mg/kg	0.75	0.87	116	ND	ND	ND	0	125	101	99	81	79	45-111	2	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	117	119	94	95	60-111	2	20	0.25
Vanadium	mg/kg	1.0	0.97	97	ND	21	17	21	125	131	130	88	87	71-116	1	20	0.15
Zinc	mg/kg	1.0	0.93	93	ND	18	15	18	125	120	120	82	82	47-128	0	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9060-2
QA File: 9060-2GC

Date Analyzed: 03/01/99
Date Digested: 03/01/99
Sample ID: 33430-013
Matrix: Soil
QC Batch NO:ICAP 990301S-2

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.96	96	ND	ND	ND	0	125	102	102	82	82	32-110	0	20	0.25
Arsenic	mg/kg	1.0	1.0	100	ND	1.4	1.3	7	125	115	114	91	90	68-105	1	20	0.25
Barium	mg/kg	1.0	1.0	100	ND	21	21	0	125	134	140	90	95	22-170	4	20	0.05
Beryllium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	115	114	92	91	47-134	1	20	0.05
Cadmium	mg/kg	1.0	0.98	98	ND	ND	ND	0	125	111	111	89	89	65-106	0	20	0.15
Chromium	mg/kg	1.0	0.94	94	ND	16	16	0	125	124	123	86	86	61-128	1	20	0.15
Cobalt	mg/kg	1.0	0.85	85	ND	2.7	2.7	0	125	104	101	81	79	68-112	3	20	0.15
Copper	mg/kg	1.0	1.1	110	ND	2.8	2.8	0	125	122	132	95	103	60-133	8	20	0.15
Lead	mg/kg	1.0	0.97	97	ND	2.4	2.1	13	125	111	110	87	86	68-106	1	20	0.25
Molybdenum	mg/kg	1.0	0.94	94	ND	ND	ND	0	125	107	106	86	85	67-107	1	20	0.25
Nickel	mg/kg	1.0	0.93	93	ND	17	17	0	125	126	125	87	86	29-155	1	20	0.15
Selenium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	101	100	81	80	51-114	1	20	0.25
Silver	mg/kg	0.75	0.88	117	ND	ND	ND	0	125	97	97	78	78	45-111	0	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	118	118	94	94	60-111	0	20	0.25
Vanadium	mg/kg	1.0	0.94	94	ND	9.0	9.0	0	125	117	117	86	86	71-116	0	20	0.15
Zinc	mg/kg	1.0	0.83	83	ND	8.4	7.0	18	125	95	94	69	68	47-128	1	20	0.50

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: LP/SER

Data File: ICP90312-2

QA File: 9071-2WGC

Date Analyzed: 03/12/99

Date Digested: 03/12/99

Sample ID: 33430-042

Matrix: Water

QC Batch No: IC990312W-2

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/L	1.0	1.0	100	ND	0.019	0.012	45	10	8.5	9.2	85	92	50-150	8	18	0.005
Arsenic	mg/L	1.0	1.0	100	ND	0.006	ND	200	10	9.0	9.8	90	98	57-126	9	12	0.005
Barium	mg/L	1.0	1.0	100	ND	0.12	0.12	0	10	9.4	10	93	99	58-124	6	19	0.001
Beryllium	mg/L	1.0	1.0	100	ND	ND	ND	0	10	8.6	9.4	86	94	48-124	9	16	0.001
Cadmium	mg/L	1.0	1.00	100	ND	ND	ND	0	10	8.5	9.3	85	93	55-122	9	11	0.003
Chromium	mg/L	1.0	0.98	98	ND	ND	ND	0	10	8.5	9.3	85	93	59-123	9	12	0.003
Cobalt	mg/L	1.0	0.91	91	ND	ND	ND	0	10	8.0	8.7	80	87	60-119	8	9	0.003
Copper	mg/L	1.0	1.0	100	ND	ND	ND	0	10	9.3	10	93	100	76-114	7	15	0.003
Lead	mg/L	1.0	1.0	100	ND	ND	ND	0	10	8.6	9.4	86	94	67-119	9	9	0.005
Molybdenum	mg/L	1.0	1.0	100	ND	0.005	0.006	18	10	8.5	9.3	85	93	67-115	9	16	0.005
Nickel	mg/L	1.0	0.96	96	ND	ND	ND	0	10	8.4	9.2	84	92	57-120	9	14	0.003
Selenium	mg/L	1.0	0.97	97	ND	ND	ND	0	10	7.7	8.4	77	84	41-136	9	16	0.005
Silver	mg/L	0.60	0.64	107	ND	ND	ND	0	10	8.1	8.3	81	83	24-155	2	25	0.001
Thallium	mg/L	1.0	1.1	110	ND	ND	ND	0	10	9.0	9.8	90	98	62-123	9	16	0.005
Vanadium	mg/L	1.0	1.0	100	ND	0.004	0.005	22	10	8.6	9.4	86	94	62-120	9	13	0.003
Zinc	mg/L	1.0	0.98	98	ND	0.014	0.019	30	10	7.7	8.4	77	84	35-126	9	11	0.010

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 3/14/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA7471
Analyst: DJ/HP
Data File: 90225-1
QA File: 9056-1S

Date Analyzed: 02/25/99
Date Digested: 02/25/99
Sample ID: SEE BELOW
Matrix: soil
QC BATCH: HG990225-1S

SPL ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
33430-012	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.75	0.76	90	92	51 - 124	1	18	0.10
33430-022	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.74	0.74	89	89	51 - 124	0	18	0.10
33430-034	mg/kg	0.015	0.014	93	ND	0.38	0.27	34	0.83	0.93	1.2	66	99	51 - 124	39	18	0.10
33430-050	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.78	0.72	94	87	51 - 124	8	18	0.10
33430-053	mg/kg	0.015	0.014	93	ND	ND	ND	0	0.83	0.69	0.69	83	83	51 - 124	0	18	0.10

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7470A
Analyst: DJ
Data File: 90225-3
QA File: 9056-3

Date Analyzed: 02-25-99
Date Digested: 02-25-99
Sample ID: 33392-008
Matrix: water
QC Batch NO: HG990225W-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Mercury	mg/L	0.015	0.014	93	ND	ND	ND	0	0.020	0.022	0.022	110	110	50-147	0	24	0.004

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 3/12/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER/DJ
Data File: ICAP90413-2
QA File: 9103-2GC

Date Analyzed: 04/13/99
Date Digested: 04/13/99
Sample ID: 34016-003
Matrix: Soil/Sludge
QC Batch NO:ICAP 9900413S-2

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.91	91	ND	0.70	1.0	35	125	105	95	83	75	32-110	10	20	0.25
Arsenic	mg/kg	1.0	1.1	110	ND	1.9	2.9	42	125	122	116	96	91	68-105	5	20	0.25
Barium	mg/kg	1.0	0.94	94	ND	16	40	86	125	144	134	102	94	22-170	7	20	0.05
Beryllium	mg/kg	1.0	0.89	89	ND	ND	ND	0	125	105	101	84	81	47-134	4	20	0.05
Cadmium	mg/kg	1.0	0.90	90	ND	ND	ND	0	125	105	103	84	82	65-106	2	20	0.15
Chromium	mg/kg	1.0	0.98	98	ND	5.2	9.4	58	125	119	116	91	89	61-128	3	20	0.15
Cobalt	mg/kg	1.0	0.9	94	ND	2.2	3.9	56	125	113	110	89	86	68-112	3	20	0.15
Copper	mg/kg	1.0	0.91	91	ND	7.1	13	59	125	124	116	94	87	60-133	7	20	0.15
Lead**	mg/kg	1.0	0.93	93	ND	61	98	47	125	185	143	99	66	68-106	26	20	0.25
Molybdenum	mg/kg	1.0	0.95	95	ND	0.46	0.71	43	125	112	108	89	86	67-107	4	20	0.25
Nickel	mg/kg	1.0	0.89	89	ND	11	18	48	125	122	119	89	86	29-155	2	20	0.15
Selenium*	mg/kg	1.0	0.80	80	ND	ND	0.41	*	125	100	95	80	76	51-114	5	20	0.25
Silver	mg/kg	1.0	0.88	88	ND	ND	ND	0	125	108	102	86	82	45-111	6	20	0.05
Thallium	mg/kg	1.0	0.97	97	ND	ND	ND	0	125	109	106	87	85	60-111	3	20	0.25
Vanadium	mg/kg	1.0	0.98	98	ND	9.1	15	49	125	126	121	94	90	71-116	4	20	0.15
Zinc	mg/kg	1.0	0.90	90	ND	30	52	54	125	145	131	92	81	47-128	10	20	0.50

* Sample result is at/near the detection limit.
** RPD is out of range due to sample matrix.

Approved by: _____
LiPing Liu
Inorganics Supervisor

Date: 4/19/99

Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A
Date Received: 02/24/99
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (CCR Metals)

Lab No.:		33430-009	33430-029	33430-042	33430-042Dup				
Client Sample I.D.:		MNTNC6	MNTNC1	MED2	MED2				
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99				
Date Digested:		03/12/99	03/12/99	03/12/99	03/12/99				
Date Analyzed:		03/12/99	03/12/99	03/12/99	03/12/99				
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ				
Dilution Factor:		1	1	1	1				
ANALYTE*	DLR	RESULTS							
Antimony	0.005	0.14	0.013	0.019	0.012				
Arsenic	0.005	0.048	0.012	0.006	ND				
Barium	0.001	0.23	0.45	0.12	0.12				
Beryllium	0.001	ND	ND	ND	ND				
Cadmium	0.003	ND	ND	ND	ND				
Chromium	0.003	ND	ND	ND	ND				
Cobalt	0.003	ND	ND	ND	ND				
Copper	0.003	0.012	ND	ND	ND				
Lead	0.005	ND	ND	ND	ND				
Mercury **	0.004	ND	ND	ND	ND				
Molybdenum	0.005	0.011	ND	0.005	0.006				
Nickel	0.003	ND	ND	ND	ND				
Selenium	0.005	ND	ND	ND	ND				
Silver	0.001	0.002	0.002	ND	ND				
Thallium	0.005	ND	ND	ND	ND				
Vanadium	0.003	0.016	0.005	0.004	0.005				
Zinc	0.010	0.018	ND	0.014	0.019				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470

Reviewed/Approved By: _____ Date: 3/12/99
Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Gateway, S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**mg/kg**
Digestion Method:	**EPA 3050**

EPA 6010 (CCR Metals)

Lab No.:		33430-051	33430-052	33430-053	33430-053Dup				
Client Sample I.D.:		MED1-2	MED1-4	MED1-6	MED1-6				
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99				
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99				
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99				
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ				
Dilution Factor:		1	1	1	1				
ANALYTE*	**DLR**	**RESULTS**							
Antimony	0.25	0.46	0.38	0.57	0.39				
Arsenic	0.25	2.4	1.7	1.7	1.0				
Barium	0.050	11	12	9.5	9.0				
Beryllium	0.050	ND	ND	ND	ND				
Cadmium	0.15	ND	ND	ND	ND				
Chromium	0.15	18	18	12	12				
Cobalt	0.15	3.2	2.9	2.4	2.3				
Copper	0.15	4.0	3.2	2.4	2.3				
Lead	0.25	10	2.8	1.5	1.0				
Mercury **	0.10	ND	ND	ND	ND				
Molybdenum	0.25	0.69	0.46	0.27	ND				
Nickel	0.15	19	22	18	17				
Selenium	0.25	ND	ND	ND	ND				
Silver	0.050	ND	ND	ND	ND				
Thallium	0.25	ND	ND	ND	ND				
Vanadium	0.15	13	12	6.7	6.8				
Zinc	0.50	15	9.8	8.2	7.6				

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ **Date:** 3/12/99

Cheryl De Los Reyes

Technical Operations Manager

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050
Date Amended:	04/19/99

EPA 6010 (CCR Metals)

Lab No.:		33430-036Dup	33430-037	33430-038	33430-039	33430-047	33430-048	33430-049	33430-050
Client Sample I.D.:		MED2-2	MED2-4	MED2-6	MED2-8	MED4-0	MED5-0	MED6-0	MED7-0
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	**DLR**	**RESULTS**							
Antimony	0.25	0.59	0.53	0.59	0.50	0.88	0.80	1.1	0.66
Arsenic	0.25	2.2	2.3	2.6	1.8	7.9	3.5	22	3.1
Barium	0.050	37	27	59	19	127	42	127	30
Beryllium	0.050	ND	ND	ND	ND	0.18	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	10	14	12	26	28	13	17	23
Cobalt	0.15	3.8	4.3	4.4	3.8	8.1	3.7	6.4	4.3
Copper	0.15	14	7.4	7.4	3.6	23	14	17	8.8
Lead	0.25	171	25	5.3	1.4	16	133	234***	33
Mercury **	0.10	0.27	ND	ND	ND	0.15	ND	0.19	ND
Molybdenum	0.25	1.0	0.49	0.83	0.51	2.1	1.3	2.3	0.57
Nickel	0.15	18	23	14	31	45	22	11	25
Selenium	0.25	ND	ND	ND	ND	0.46	ND	0.49	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	ND	ND	ND	0.35	ND	0.37	ND
Vanadium	0.15	17	14	16	15	23	17	22	18
Zinc	0.50	60	26	22	13	48	57	79	25

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

*** = Digested and Analyzed :04/13/99

Reviewed/Approved By: _____ Date: 4/19/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33430-026	33430-030	33430-031	33430-032	33430-033	33430-034	33430-035	33430-036
Client Sample I.D.:		MNTNC1-25	MNTNC2-0	MNTNC2-5	MNTNC2-10	MNTNC2-15	MNTNC2-20	MNTNC2-25	MED2-2
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.85	0.41	0.43	0.29	0.50	1.0	0.88	0.49
Arsenic	0.25	9.2	1.7	2.6	0.52	1.4	11	9.0	2.1
Barium	0.050	33	9.3	52	16	16	34	33	38
Beryllium	0.050	0.16	ND	ND	ND	ND	0.13	0.11	0.13
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	44	3.7	16	19	18	45	40	9.7
Cobalt	0.15	7.0	3.8	4.8	3.0	3.0	8.1	6.2	3
Copper	0.15	27	40	8.1	3.0	2.7	29	38	13
Lead	0.25	21	18	5.2	2.1	0.90	25	38	153
Mercury **	0.10	0.25	ND	ND	ND	ND	0.38	0.68	0.33
Molybdenum	0.25	1.4	0.58	0.83	ND	ND	1.6	1.2	0.80
Nickel	0.15	38	4.3	21	20	21	45	34	18
Selenium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.050	0.15	ND	ND	ND	ND	0.21	0.60	ND
Thallium	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	0.15	39	26	15	13	13	40	33	17
Zinc	0.50	64	16	25	11	12	70	93	57

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Gateway, S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	mg/kg
Digestion Method:	EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		33430-019	33430-020	33430-021	33430-022	33430-023	33430-023Dup	33430-024	33430-025
Client Sample I.D.:		MNTNC4-20	MNTNC4-25	MNTNC1-0	MNTNC1-5	MNTNC1-10	MNTNC1-10	MNTNC1-15	MNTNC1-20
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99	02/23/99
Date Digested:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Date Analyzed:		03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99	03/01/99
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	**DLR**	**RESULTS**							
Antimony	0.25	0.33	0.98	0.85	0.74	0.64	0.64	0.61	0.47
Arsenic	0.25	2.1	10.0	3.5	2.4	3.0	1.6	1.3	1.8
Barium	0.050	22	43	33	26	40	36	8.6	25
Beryllium	0.050	ND	0.089	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	16	50	17	13	37	27	13	20
Cobalt	0.15	3.6	7.2	5.9	4.2	5.3	4.3	2.6	3.2
Copper	0.15	3.9	45	7.4	5.1	5.3	4.7	2.8	3.7
Lead	0.25	1.7	44	12	6.6	2.3	2.0	1.0	1.6
Mercury **	0.10	ND	0.63	ND	ND	ND	ND	0.20	ND
Molybdenum	0.25	0.27	1.6	1.0	0.69	0.68	0.48	ND	ND
Nickel	0.15	19	40	21	16	42	34	18	22
Selenium	0.25	ND	0.43	ND	ND	ND	ND	ND	ND
Silver	0.050	ND	1.00	ND	ND	ND	ND	ND	ND
Thallium	0.25	ND	0.53	ND	0.26	ND	ND	ND	ND
Vanadium	0.15	11	36	28	15	21	17	9.0	12
Zinc	0.50	14	117	34	31	18	15	8.4	12

MDL = Method Detection Limit

ND = Not Detected (Below DLR).

DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22

** = Analysis by EPA Method 7471

Reviewed/Approved By: _____ Date: 3/12/99

Cheryl De Los Reyes

Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Matrix: Soil

METHOD 8015B (M) (Gasoline)

Lab No.:			Method Blank		33430-024		33430-025		33430-026		33430-030		33430-031		33430-032		33430-033			
Client Sample I.D.:			--		MNTNC1-15		MNTNC1-20		MNTNC1-25		MNTNC2-0		MNTNC2-5		MNTNC2-10		MNTNC2-15			
Date Sampled:			--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99			
QC Batch #:			GAS99-003		GAS99-003		GAS99-003		GAS99-003		GAS99-003		GAS99-003		GAS99-003		GAS99-003			
Date Analyzed:			03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99			
Analyst Initials:			YP		YP		YP		YP		YP		YP		YP		YP			
Dilution Factor:			1		1		1		1		1		1		1		1			
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	L	Results	L	Results		
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND		

Lab No.:			33430-034		33430-035		33430-036		33430-036Dup		LCS									
Client Sample I.D.:			MNTNC2-20		MNTNC-25		MED2-2		MED2-2		---									
Date Sampled:			02/23/99		02/23/99		02/23/99		02/23/99		---									
QC Batch #:			GAS99-003		GAS99-003		GAS99-003		GAS99-003		GAS99-003									
Date Analyzed:			03/01/99		03/01/99		03/01/99		03/01/99		03/01/99									
Analyst Initials:			YP		YP		YP		YP		YP									
Dilution Factor:			1		1		1		1		1									
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	% Rec	Limits								
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	99	21-146								

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Matrix: Soil

METHOD 8015B (M) (Gasoline)

Lab No.:			Method Blank		33430-014		33430-015		33430-016		33430-017		33430-018		33430-019		33430-020			
Client Sample I.D.:			--		MNTNC5-20		MNTNC4-0		MNTNC4-5		MNTNC4-10		MNTNC4-15		MNTNC4-20		MNTNC4-25			
Date Sampled:			--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99			
QC Batch #:			GAS99-002		GAS99-002		GAS99-002		GAS99-002		GAS99-002		GAS99-002		GAS99-002		GAS99-002			
Date Analyzed:			03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99		03/01/99			
Analyst Initials:			YP		YP		YP		YP		YP		YP		YP		YP			
Dilution Factor:			1		1		1		1		1		1		1		1			
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	L	Results	L	Results		
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND		

Lab No.:			33430-021		33430-022		33430-023		33430-023Dup		LCS									
Client Sample I.D.:			MNTNC1-0		MNTNC1-5		MNTNC1-10		MNTNC1-10		---									
Date Sampled:			02/23/99		02/23/99		02/23/99		02/23/99		---									
QC Batch #:			GAS99-002		GAS99-002		GAS99-002		GAS99-002		GAS99-002									
Date Analyzed:			03/01/99		03/01/99		03/01/99		03/01/99		03/01/99									
Analyst Initials:			YP		YP		YP		YP		YP									
Dilution Factor:			1		1		1		1		1									
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	Limits	%Rec								
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	21-146	92								

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, S8130-06-99A

Date Received: 02/24/99
Matrix: Soil

METHOD 8015B (M) (Gasolin)

Lab No.:			Method Blank		33430-001		33430-002		33430-003		33430-004		33430-005		33430-006		33430-010			
Client Sample I.D.:			--		MNTNC6-0		MNTNC6-5		MNTNC6-10		MNTNC6-15		MNTNC6-20		MNTNC6-25		MNTNC5-0			
Date Sampled:			--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99			
QC Batch #:			GAS99-001		GAS99-001		GAS99-001		GAS99-001		GAS99-001		GAS99-001		GAS99-001		GAS99-001			
Date Analyzed:			02/26/99		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99		02/26/99			
Analyst Initials:			YP		YP		YP		YP		YP		YP		YP		YP			
Dilution Factor:			1.0		1		1		1		1		1		1		1			
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	L	Results	L	Results		
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND		

Lab No.:			33430-011		33430-012		33430-013		33430-013Dup		LCS									
Client Sample I.D.:			MNTNC5-5		MNTNC5-10		MNTNC5-15		MNTNC5-15		---									
Date Sampled:			02/23/99		02/23/99		02/23/99		02/23/99		---									
QC Batch #:			GAS99-001		GAS99-001		GAS99-001		GAS99-001		GAS99-001									
Date Analyzed:			02/26/99		02/26/99		02/26/99		02/26/99		02/26/99									
Analyst Initials:			YP		YP		YP		YP		YP									
Dilution Factor:			1		1		1		1		1									
Analyte	D	Units	L	Results	DLR	Results	DLR	Results	DLR	Results	Limits	%Rec								
TPH (Gas)	1	mg/kg	1	ND	1	ND	1	ND	1	ND	21-146	94								

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved BY: _____

Lee Ingvaldson
Department Supervisor

Date: 03/12/99

The cover letter is an integral part of this analytical report.

March 18, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: S8130-06-99A
Lab No.: 34016-001/005

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

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This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

April 20, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White
SUBJECT: AMENDED REPORT

Client's Project: S8130-06-99A
Lab No.: 34016-001/005

The report was amended for the following:

The result for sample 34016-004 MED6-0 was changed.

Please disregard all previous documentation that corresponds to the pages(s) enclosed.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

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This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A

Date Received: 02/23-24/99
Date Sampled: 03/22-23/99
Date Extracted: 03/16/99, *04/13/99
Extraction Method: WET (Title 22, CCR, 6626.100 Appendix II)
Date Amended: 04/19/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
34016-001	ADMON2-0	EPA 7420 (Lead)	03/18/99	1.1	STLC Extract, mg/L	0.15	0.15	HP/DJ
34016-002	MED2-2	EPA 7420 (Lead)	03/18/99	10	STLC Extract, mg/L	0.15	0.30	HP/DJ
34016-003	MED5-0	EPA 7420 (Lead)	03/18/99	8.2	STLC Extract, mg/L	0.15	0.15	HP/DJ
34016-004*	MED6-0	EPA 7420 (Lead)	04/15/99	16	STLC Extract, mg/L	0.15	0.75	HP/DJ
34016-005	MNTN4-5	EPA 6010 (Chromium)	03/18/99	0.37	STLC Extract, mg/L	0.10	0.10	LP
34016-005Dup	MNTN4-5	EPA 6010 (Chromium)	03/18/99	0.36	STLC Extract, mg/L	0.10	0.10	LP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 4/19/99
Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report

Method: EPA7420(Lead)
Analyst: HP
Data File: AA90415-STLC1
QA File: 9105-STLC1

Date Analyzed: 04/15/99
Date Extracted: 04/13/99
Sample ID: SEE BELOW
Matrix: STLC EXTRACT
QC Batch NO: PBF990415ST-1

SPL ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
34482-001	mg/L	5.0	4.5	90	ND	1.2	4.2	111	5.0	4.5	4.6	66	68	50-150	3	50	0.15

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 4/19/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: LP/SER

Data File: ICP90318-2

QA File: 9077-2

Date Analyzed: 03/18/99

Date Extracted: 03/16/99

Sample ID: 34016-005

Matrix: STLC Extract

QC Batch No: IC990318ST-2

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Chromium	mg/L	1.0	1.0	100	ND	0.37	0.36	3	5.0	5.3	5.4	99	101	59-123	2	12	0.10

Approved by: _____

Liping Liu
Inorganics Supervisor

Date: 3/18/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA7420(Lead)
Analyst: DJ/HP
Data File: AA90318-1
QA File: 9077-1

Date Analyzed: 03/18/99
Date Extract: 03/16/99
Sample ID: SEE BELOW
Matrix: STLC EXTRACT
QC Batch NO: PBF990318ST-1

SPL ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
33709-019	mg/L	5.0	4.7	94	ND	97	150	43	100	176	177	79	80	50-150	1	50	0.15
33943-001	mg/L	5.0	4.7	94	ND	3.5	4.4	23	10	15	13	115	95	50-150	19	50	0.15
33644-010	mg/L	5.0	4.7	94	ND	ND	ND	0	5.0	4.7	4.7	94	94	50-150	0	50	0.15

Approved by: Liping Liu
Inorganics Supervisor

Date: 3/19/99

Advanced Technology Laboratories

FAX

Date 3/16/99

Number of pages including cover sheet 1

TO: DIANE
ATL

Phone (562) 989-4045
Fax Phone (562) 989-4040

FROM: Ross J. White
Geocon Environmental Consultants, Inc.
5673 W. Las Positas Blvd., Suite 205
Pleasanton, CA 94588

Phone 925.469.9750
Fax 925.469.9749

CC:

REMARKS: ☐ Urgent ☑ For your review ☐ Reply ASAP ☐ Please Comment

Diane,

Please analyze the following samples for soluble lead via the WET

ADMIN2-0 (33392-010)
MED2-2 (33430-036)
MED5-0 (33430-048)
MED6-0 (33430-049)

Please analyze the following sample for soluble chromium via the WET

MNTNC4-5 (33430-016)

48-HR. TAT.

CHAIN OF CUSTODY RECORD

1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: (W) Date: 3-16 Time: 1615

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon
Attn: Ross White
Address: 5673 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name: Project #: 88130-06-99A Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Dane Malvan Date: 2/23, 2/24/99 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)
TEST:
ATL #:
DATE:
CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date: / /
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M TPHG/BTEX(COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	WET VOA	WET Aromatics	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	34016-001	33392-010/ADMIN2-0	2/22												X		X											
	002	33430-036/MED2-2	2/23																									
	003	048/MED5-0																										
	004	049/MED6-0																										
	005	016/MNTNC4-5														X												

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

March 19, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: S8130-06-99A
Lab No.: 34069-001

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/cp

Enclosures

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This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A

Date Received: 03/17/99
Date Sampled: 02/23/99
Date Extrated: 03/17/99
Extraction Method WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
34069-001	33430-020/MNTNC4-25	EPA 6010 (Chromium)	03/19/99	0.74	STLC, mg/L	0.10	0.10	LP
34069-001Dup	33430-020/MNTNC4-25	EPA 6010 (Chromium)	03/19/99	0.76	STLC, mg/L	0.10	0.10	LP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/19/99
Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____

P.O.#: _____

Logged By: AR Date: 3-17 Time: 1645

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON
Attn: Ross White
Address: 5673 Las Positas Blvd
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name: Project #: 58130-06-94A Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Diane Galvan	3-24-99	

SHIP TO LAB:
(SUB CONTRACT)_____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
_____ Date: / /
Print Name
_____
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State_____ Zip_____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other_____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG/BTEX(COMBINATION); 8015M TPH/D (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); WET CHEMISTRY

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Container(s): Type	PRESERVATION	REMARKS
	34069-001	33430-020/MNTNC4-25	3/23						

Q A / Q C
RTNE ☐
RWQCB ☐
WIP ☐
NAVY ☐
CT ☑
OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report **Yellow** to folder **Pink** to submitter

March 22, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: S8130-06-99A
Lab No.: 34129-001/004

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

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Client: Geocon Environmental Consultants
Attn: Ross White

Client's Project: S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99

Lab No.	Sample I.D.	Analysis	Date Analyze	esults	Matrix, Units	MDL	DLR	nalyst
34129-001	MED3-2	EPA 9045 (pH)	03/19/99	8.1	Soil, pH units	---	---	OL
34129-002	MED3-4	EPA 9045 (pH)	03/19/99	9.2	Soil, pH units	---	---	OL
34129-003	MED3-6	EPA 9045 (pH)	03/19/99	9.6	Soil, pH units	---	---	OL
34129-004	MED3-8	EPA 9045 (pH)	03/19/99	8.6	Soil, pH units	---	---	OL

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 3/24/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	Method Blank		34129-001		34129-002		34129-003		34129-004	
Client Sample I.D.:	--		MED3-2		MED3-4		MED3-6		MED3-8	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	P99VOCS049		P99VOCS049		P99VOCS049		P99VOCS049		P99VOCS049	
Date Analyzed:	03/19/99		03/19/99		03/19/99		03/19/99		03/19/99	
Analyst Initials:	SMC		SMC		SMC		SMC		SMC	
Dilution Factor:	1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Benzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromodichloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromoform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Bromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloroform	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Chloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromochloromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dibromomethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**S8130-06-99A**
Date Received:	**02/24/99**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8260

Lab No.:		Method Blank		34129-001		34129-002		34129-003		34129-004	
Client Sample I.D.:		--		MED3-2		MED3-4		MED3-6		MED3-8	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Isopropylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methylene Chloride	15	15	ND	15	ND	15	ND	15	ND	15	ND
Naphthalene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
n-Propylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Styrene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tetrachloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Toluene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichloroethene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,2,3-Trichloropropane	10	10	ND	10	ND	10	ND	10	ND	10	ND
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Vinyl Chloride	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Xylenes (Total)	5.0	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date** 03/26/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:	Method Blank		34129-004Dup		L C S					
Client Sample I.D.:	--		MED3-8		---					
Date Sampled:	--		02/23/99		---					
QC Batch #:	P99VOCS049		P99VOCS049		P99VOCS049					
Date Analyzed:	03/19/99		03/19/99		03/19/99					
Analyst Initials:	SMC		SMC		SMC					
Dilution Factor:	1		1		1					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
Benzene	5.0	5.0	ND	5.0	ND	21-175	101				
Bromobenzene	5.0	5.0	ND	5.0	ND	21-175	102				
Bromodichloromethane	5.0	5.0	ND	5.0	ND	21-175	102				
Bromoform	5.0	5.0	ND	5.0	ND	21-175	99				
Bromomethane	5.0	5.0	ND	5.0	ND	21-175	100				
n-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	104				
sec-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	99				
tert-Butylbenzene	5.0	5.0	ND	5.0	ND	21-175	102				
Carbon tetrachloride	5.0	5.0	ND	5.0	ND	21-175	103				
Chlorobenzene	5.0	5.0	ND	5.0	ND	21-175	102				
Chloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
Chloroform	5.0	5.0	ND	5.0	ND	21-175	100				
Chloromethane	5.0	5.0	ND	5.0	ND	21-175	98				
-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	104				
4-Chlorotoluene	5.0	5.0	ND	5.0	ND	21-175	99				
Dibromochloromethane	5.0	5.0	ND	5.0	ND	21-175	100				
1,2-Dibromo-3-chloropropane	10	10	ND	10	ND	21-175	97				
1,2-Dibromoethane	5.0	5.0	ND	5.0	ND	21-175	100				
Dibromomethane	5.0	5.0	ND	5.0	ND	21-175	101				
1,2-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	101				
1,3-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	104				
1,4-Dichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	102				
Dichlorodifluoromethane	5.0	5.0	ND	5.0	ND	21-175	94				
1,1-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
1,2-Dichloroethane	5.0	5.0	ND	5.0	ND	21-175	100				
1,1-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	99				
cis-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	101				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: ug/kg

EPA Method 8260

Lab No.:		Method Blank		34129-004Dup		L C S					
Client Sample I.D.:		—		MED3-8		—					
ANALYTE	MDL	DLR	Results	DLR	Results	limits	%rec	DLR	esult	DLR	Result
trans-1,2-Dichloroethene	5.0	5.0	ND	5.0	ND	21-175	104				
1,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	101				
1,3-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	101				
2,2-Dichloropropane	5.0	5.0	ND	5.0	ND	21-175	103				
1,1-Dichloropropene	5.0	5.0	ND	5.0	ND	21-175	105				
Ethylbenzene	5.0	5.0	ND	5.0	ND	21-175	101				
Hexachlorobutadiene	5.0	5.0	ND	5.0	ND	21-175	92				
Isopropylbenzene	5.0	5.0	ND	5.0	ND	21-175	104				
p-Isopropyltoluene	5.0	5.0	ND	5.0	ND	21-175	102				
Methylene Chloride	15	15	ND	15	ND	21-175	99				
Naphthalene	5.0	5.0	ND	5.0	ND	21-175	99				
n-Propylbenzene	5.0	5.0	ND	5.0	ND	21-175	104				
Styrene	5.0	5.0	ND	5.0	ND	21-175	101				
1,1,1,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	100				
1,1,2,2-Tetrachloroethane	5.0	5.0	ND	5.0	ND	21-175	103				
Tetrachloroethene	5.0	5.0	ND	5.0	ND	21-175	103				
Toluene	5.0	5.0	ND	5.0	ND	21-175	102				
,2,3-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	101				
,2,4-Trichlorobenzene	5.0	5.0	ND	5.0	ND	21-175	99				
1,1,1-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
1,1,2-Trichloroethane	5.0	5.0	ND	5.0	ND	21-175	101				
Trichloroethene	5.0	5.0	ND	5.0	ND	21-175	102				
Trichlorofluoromethane	5.0	5.0	ND	5.0	ND	21-175	101				
1,2,3-Trichloropropane	10	10	ND	10	ND	21-175	101				
1,2,4-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	102				
1,3,5-Trimethylbenzene	5.0	5.0	ND	5.0	ND	21-175	104				
Vinyl Chloride	5.0	5.0	ND	5.0	ND	21-175	100				
Xylenes (Total)	5.0	5.0	ND	5.0	ND	21-175	102				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ Date 03/22/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - Soil(ug/Kg)

Method : C:\HPCHEM\1\METHODS\PVS0315.M (RTE Integrator)
Title : VOC 8240/8260B Advanced Technology Laboratory
Last Update : Fri Mar 19 10:05:18 1999
Response via : Initial Calibration

Non-Spiked Sample: 34129-03.D

	Spike Sample	Spike Duplicate Sample
File ID :	PMS0319A.D	PMD0319A.D
Sample :	34219-03 spike	34219-03 spike dup
Acq Time:	19 Mar 1999 1:34 pm	19 Mar 1999 2:02 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-dichloroethene	0.0	100	102	111	102	111	8	20	58-156
benzene	0.0	100	102	109	102	109	7	12	72-134
trichloroethene	0.0	100	107	116	107	116	8	16	55-145
toluene	0.0	100	101	110	101	110	8	16	73-127
chlorobenzene	0.0	100	102	108	102	108	6	11	80-119

QCBATCH#P99VOCS049

Reviewed/Approved By: _____ Date: 03/22/99
Lee Ingvaldson
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank		34129-001		34129-002		34129-003		34129-004		34129-004Dup	
Client Sample I.D.:	--		MED3-2		MED3-4		MED3-6		MED3-8		MED3-8	
Date Sampled:	--		02/23/99		02/23/99		02/23/99		02/23/99		02/23/99	
QC Batch #:	R998270S056		R998270S056		R998270S056		R998270S056		R998270S056		R998270S056	
Date Extracted:	03/19/99		03/19/99		03/19/99		03/19/99		03/19/99		03/19/99	
Date Analyzed:	03/19/99		03/20/99		03/19/99		03/19/99		03/19/99		03/19/99	
Analyst Initials:	ZL		ZL		ZL		ZL		ZL		ZL	
Dilution Factor:	1		5 (a)		1		1		1		1	

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
bis (2-Chloroethyl)ether	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2-Chlorophenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
1,3-Dichlorobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
1,4-Dichlorobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzyl Alcohol	660	660	ND	3300	ND	660	ND	660	ND	660	ND	660	ND
1,2-Dichlorobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2-Methylphenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
bis(2-chloroisopropyl)ether	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
n-Nitroso-di-n-propylamine	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Methylphenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Hexachloroethane	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Nitrobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Isophorone	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2-Nitrophenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dimethylphenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Chloroethoxy)methane	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dichlorophenol	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
Benzoic Acid	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
1,2,4-Trichlorobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Naphthalene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Chloroaniline	660	660	ND	3300	ND	660	ND	660	ND	660	ND	660	ND
Hexachlorobutadiene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Chloro-3-methylphenol	660	660	ND	3300	ND	660	ND	660	ND	660	ND	660	ND
2-Methylnaphthalene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorocyclopentadiene	660	660	ND	3300	ND	660	ND	660	ND	660	ND	660	ND
2,4,6-Trichlorophenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2,4,5-Trichlorophenol	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2-Chloronaphthalene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2-Nitroaniline	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dimethylphthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Acenaphthylene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2,6-Dinitrotoluene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
3-Nitroaniline	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(a) - Sample required a 1:5 matrix dilution.
The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:	Method Blank		34129-001		34129-002		34129-003		34129-004		34129-004Dup	
Client Sample I.D.:	---		MED3-2		MED3-4		MED3-6		MED3-8		MED3-8	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
2,4-Dinitrophenol	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
Dibenzofuran	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Nitrophenol	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
2,4-Dinitrotoluene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Fluorene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Diethylphthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Chlorophenyl-phenyl ether	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Nitroaniline	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
4,6-Dinitro-2-methylphenol	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
n-Nitrosodiphenylamine	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
4-Bromophenyl-phenyl ether	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Hexachlorobenzene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Pentachlorophenol	1700	1700	ND	8500	ND	1700	ND	1700	ND	1700	ND	1700	ND
Phenanthrene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Anthracene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Di-n-butylphthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Fluoranthene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Pyrene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Butylbenzylphthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]anthracene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
3,3'-Dichlorobenzidine	660	660	ND	3300	ND	660	ND	660	ND	660	ND	660	ND
Chrysene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
bis(2-Ethylhexyl)phthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Di-n-octylphthalate	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzo[b]fluoranthene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzo[k]fluoranthene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzo[a]pyrene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Indeno[1,2,3-cd]pyrene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Dibenz[a,h,]anthracene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND
Benzo[g,h,i]perylene	330	330	ND	1700	ND	330	ND	330	ND	330	ND	330	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(a) - Sample required a 1:5 matrix dilution.

Approved/Reviewed By: _____ Date: 03/22/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	LCS									
Client Sample I.D.:	--	---									
Date Sampled:	--	---									
QC Batch #:	R998270S056	R998270S056									
Date Extracted:	03/21/99	03/21/99									
Date Analyzed:	03/19/99	03/20/99									
Analyst Initials:	ZL	ZL									
Dilution Factor:	1	1									

ANALYTE	MDL	DLR	Results	LIMITS	%REC			DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	11-182	101								
bis (2-Chloroethyl)ether	330	330	ND	11-182	84								
2-Chlorophenol	330	330	ND	11-182	106								
1,3-Dichlorobenzene	330	330	ND	11-182	70								
1,4-Dichlorobenzene	330	330	ND	11-182	78								
Benzyl Alcohol	660	660	ND	11-182	86								
1,2-Dichlorobenzene	330	330	ND	11-182	83								
2-Methylphenol	330	330	ND	11-182	120								
bis(2-chloroisopropyl)ether	330	330	ND	11-182	116								
n-Nitroso-di-n-propylamine	330	330	ND	11-182	136								
4-Methylphenol	330	330	ND	11-182	122								
Hexachloroethane	330	330	ND	11-182	100								
Nitrobenzene	330	330	ND	11-182	133								
Isophorone	330	330	ND	11-182	133								
2-Nitrophenol	330	330	ND	11-182	95								
2,4-Dimethylphenol	330	330	ND	11-182	139								
bis(2-Chloroethoxy)methane	330	330	ND	11-182	109								
2,4-Dichlorophenol	1700	1700	ND	11-182	121								
Benzoic Acid	1700	1700	ND	11-182	115								
1,2,4-Trichlorobenzene	330	330	ND	11-182	112								
Naphthalene	330	330	ND	11-182	112								
4-Chloroaniline	660	660	ND	11-182	137								
Hexachlorobutadiene	330	330	ND	11-182	119								
4-Chloro-3-methylphenol	660	660	ND	11-182	135								
2-Methylnaphthalene	330	330	ND	11-182	96								
Hexachlorocyclopentadiene	660	660	ND	11-182	90								
2,4,6-Trichlorophenol	330	330	ND	11-182	94								
2,4,5-Trichlorophenol	330	330	ND	11-182	97								
2-Chloronaphthalene	330	330	ND	11-182	102								
2-Nitroaniline	1700	1700	ND	11-182	147								
Dimethylphthalate	330	330	ND	11-182	110								
Acenaphthylene	330	330	ND	11-182	98								
2,6-Dinitrotoluene	330	330	ND	11-182	107								
3-Nitroaniline	1700	1700	ND	11-182	92								

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client	Geocon Environmental
Attn:	Ross White
Client's Project:	S8130-06-99A
Date Received:	02/24/99
Matrix:	Soil
Units:	µg/kg
Extraction Method:	3550B

EPA Method 8270C

Lab No.:		Method Blank		LCS									
Client Sample I.D.:		---		---									
ANALYTE	MDL	DLR	Results	LIMITS	%REC			DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	11-182	97								
2,4-Dinitrophenol	1700	1700	ND	11-182	82								
Dibenzofuran	330	330	ND	11-182	116								
4-Nitrophenol	1700	1700	ND	11-182	137								
2,4-Dinitrotoluene	330	330	ND	11-182	117								
Fluorene	330	330	ND	11-182	121								
Diethylphthalate	330	330	ND	11-182	104								
4-Chlorophenyl-phenyl ether	330	330	ND	11-182	103								
4-Nitroaniline	1700	1700	ND	11-182	92								
4,6-Dinitro-2-methylphenol	1700	1700	ND	11-182	105								
n-Nitrosodiphenylamine	330	330	ND	11-182	139								
4-Bromophenyl-phenyl ether	330	330	ND	11-182	118								
Hexachlorobenzene	330	330	ND	11-182	136								
Pentachlorophenol	1700	1700	ND	11-182	137								
Phenanthrene	330	330	ND	11-182	132								
Anthracene	330	330	ND	11-182	135								
Di-n-butylphthalate	330	330	ND	11-182	128								
Fluoranthene	330	330	ND	11-182	115								
Pyrene	330	330	ND	11-182	116								
Butylbenzylphthalate	330	330	ND	11-182	83								
Benzo[a]anthracene	330	330	ND	11-182	104								
3,3'-Dichlorobenzidine	660	660	ND	11-182	116								
Chrysene	330	330	ND	11-182	94								
bis(2-Ethylhexyl)phthalate	330	330	ND	11-182	97								
Di-n-octylphthalate	330	330	ND	11-182	91								
Benzo[b]fluoranthene	330	330	ND	11-182	109								
Benzo[k]fluoranthene	330	330	ND	11-182	119								
Benzo[a]pyrene	330	330	ND	11-182	104								
Indeno[1,2,3-cd]pyrene	330	330	ND	11-182	103								
Dibenz[a,h,]anthracene	330	330	ND	11-182	123								
Benzo[g,h,i]perylene	330	330	ND	11-182	97								

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 03/22/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (ug/Kg)

Method : C:\HPCHEM\1\METHODS\8270H.M
Title : 8270C Advanced Technology Laboratory
Last Update : Sat Mar 13 12:15:53 1999
Response via : Initial Calibration

Non-Spiked Sample: RB0319A.D

	Spike Sample	Spike Duplicate Sample
File ID :	RMS0319A.D	RMD0319A.D
Sample :	MS BLANK R998270S056	MS BLANK R998270S056
Acq Time:	19 Mar 99 7:53 pm	19 Mar 99 8:36 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.7	200	151	151	75	75	0	21	12- 78
2-Chlorophenol	0.1	200	176	175	88	87	1	24	30- 91
1,4-Dichlorobenzene	0.0	100	67	71	67	71	5	18	36- 87
N-Nitroso-di-n-propy	0.0	100	113	112	113	112	1	21	31-114
1,2,4-Trichlorobenze	0.0	100	96	101	96	100	5	18	38-100
4-Chloro-3-methylphe	0.0	200	229	239	114#	120#	5	16	35-102
Acenaphthene	0.1	100	82	86	82	86	5	17	46- 94
4-Nitrophenol	1.5	200	193	185	96	92	4	58	10- 91
2,4-Dinitrotoluene	0.0	100	97	101	97	101	4	20	42-115
Pentachlorophenol	0.0	200	243	246	121	123	1	51	8-125
Pyrene	0.2	100	88	94	88	94	7	16	36-114

BATCH QC# R998270S056

Reviewed/Approved by: _____ Date: 03/23/99

Lee Ingvaldson
Organics Supervisor

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 03/24/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:	Method Blank	34129-01	34129-02	34129-03	34129-04	LCS			
Client Sample I.D.:	----	MED3-2	MED3-4	MED3-6	MED3-8	---			
Date Sampled:	----	02/23/99	02/23/99	02/23/99	02/23/99	---			
QC Batch #:	I998G20S084	I998G20S084	I998G20S084	I998G20S084	I998G20S084	I998G20S084			
Date Analyzed:	03/20/99	03/20/99	03/20/99	03/20/99	03/20/99	01/00/00			
Analyst Initials:	EM	EM	EM	EM	EM	EM			
Dilution Factor:	1	1	1	1	1	1			

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	%Rec	Limits	DLR	Results	DLR	Results	DLR	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	86	38-146						

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 03/22/99

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL

ethod : C:\HPCHEM\1\METHODS\I990312.M (RTE Integrator)
itle : M8015GAS(Calibrated on 3/15/99)/ 8020(BTEX)
ast Update : Wed Mar 17 17:23:45 1999
esponse via : Initial Calibration

n-Spiked Sample: 34130-02.D

	Spike Sample	Spike Duplicate Sample
le ID :	IMS0320A.D	IMD0320A.D
mple :	I998G20S084 MS 34130-01	I998G20S084 MSD 34130-01
g Time:	20 Mar 1999 8:42 pm	20 Mar 1999 9:06 pm

ompound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
soline	0.0	3	2	2	58	64	11	21	41-151
nzene #2	0.0	12	9	9	73	73	1	15	42-132
luene #2	0.0	156	151	160	96	102	6	15	42-132

QC BATCH #I998G20S084

viewed and Approved by: _____ Date: 3/23/99

Lee Ingvaldson
Organics Supervisor

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS125**
Attn:	**Ross White**	**Date Sampled:**	**02/23/99**
		Date Received:	**02/24/99**
		Date Extracted:	**03/19/99**
		Date Analyzed:	**03/19/99**
Client's Project:	**S8130-06-99A**	**Extraction Method:**	**3550B**
Matrix:	**Soil**	**Extraction Material:**	**Methylene**
Analyst Initials:	**DJK/LI**		**Chloride**

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
34129-001	MED3-2	68*	1.0	1.0
34129-002	MED3-4	ND	1.0	1.0
34129-002Dup	MED3-4	ND	1.0	1.0
34129-003	MED3-6	ND	1.0	1.0
34129-004	MED3-8	ND	1.0	1.0
		%Rec	Limits	
LCS		94	26-141	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Samnple contains hydrocarbons heavier than diesel, possibly motor oil. However, quantitation is based on diesel standard.

Reviewed/Approved By: _____ **Date:** 03/22/99

Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL (MG/KG)

Method : C:\HPCHEM\2\METHODS\DIESEL7.M (Chemstation Integrator)
Title : Advanced Technology Laboratories (DIESEL)
Last Update : Fri Mar 12 19:15:02 1999
Response via : Initial Calibration

Non-Spiked Sample: 34129-04.D

	Spike Sample	Spike Duplicate Sample
File ID :	LMS0319F.D	LMD0319F.D
Sample :	L998015DS125 34129-004 MS DSL	L998015DS125 34129-004 MSD DSL
Acq Time:	21 Mar 1999 7:52 am	21 Mar 1999 8:17 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
DIESEL	0.0	1000	794	836	79	84	5	37	40-140

QC Batch#:L998015DS125

Reviewed and Approved by: _____ Date: 03/23/99
Lee Ingvaldson
Organics Supervisor

DIESEL7.M Tue Mar 23 20:00:07 1999

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: S8130-06-99A
Date Received: 02/24/99
Matrix: Soil
Units: mg/kg
Digestion Method: 3050

EPA Method 6010 (CCR Metals)

Lab No.:		34129-001	34129-002	34129-003	34129-004	34129-004Dup			
Client Sample I.D.:		MED3-2	MED3-4	MED3-6	MED3-8	MED3-8			
Date Sampled:		02/23/99	02/23/99	02/23/99	02/23/99	02/23/99			
Date Digested:		03/22/99	03/22/99	03/22/99	03/22/99	03/22/99			
Date Analyzed:		03/22/99	03/22/99	03/22/99	03/22/99	03/22/99			
Analyst Initials:		LP/DJ	LP/DJ	LP/DJ	LP/DJ	LP/DJ			
Dilution Factor:		1	1	1	1	1			
ANALYTE*	DLR								
Antimony	0.25	1.4	0.61	0.31	0.64	0.84			
Arsenic	0.25	5.8	1.8	2.2	1.3	1.6			
Barium	0.05	80	20	22	22	22			
Beryllium	0.05	ND	ND	ND	ND	ND			
Cadmium	0.15	ND	ND	ND	ND	ND			
Chromium ***	0.15	45	12	13	14	14			
Cobalt	0.15	9.1	3.3	2.7	2.8	2.8			
Copper	0.15	19	4.8	3.8	3.1	3.3			
Lead	0.25	3.3	1.9	1.3	0.82	0.89			
Mercury **	0.10	ND	ND	ND	ND	ND			
Molybdenum	0.25	1.5	ND	ND	ND	0.35			
Nickel	0.15	18	16	14	16	16			
Selenium	0.25	ND	ND	ND	0.44	ND			
Silver	0.05	ND	ND	ND	ND	ND			
Thallium	0.25	1.6	ND	0.37	ND	ND			
Vanadium	0.15	43	12	8.1	8.7	8.7			
Zinc	0.50	56	12	9.3	9.3	10			

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471
*** = From Title 22 - If the soluble chromium, as determined by the TCLP set forth in Appendix 1 of Chapter 18 of this division (4), less than 5 mg/l , and the soluble chromium, as determined by the procedure set forth in Appendix II of chapter 11, equals or exceeds 560 mg/l and the waste is not otherwise identified as a RCRA hazardous waste pursuant to section 6626.100, then the waste is a non-RCRA hazardous waste.

Reviewed/Approved By: _____ Date: 3/27/99

Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: LP/SER
Data File: ICAP9081-4
QA File: 9081-4GC

Date Analyzed: 03/22/99
Date Digested: 03/22/99
Sample ID: 34129-004
Matrix: Soil/Sludge
QC Batch NO:ICAP 990322S-4

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.95	95	ND	0.64	0.84	27	125	104	104	83	83	32-110	0	20	0.25
Arsenic	mg/kg	1.0	1.0	100	ND	1.3	1.6	21	125	115	118	91	93	68-105	3	20	0.25
Barium	mg/kg	1.0	0.98	98	ND	22	22	0	125	130	142	86	96	22-170	9	20	0.05
Beryllium	mg/kg	1.0	0.98	98	ND	ND	ND	0	125	113	116	90	93	47-134	3	20	0.05
Cadmium	mg/kg	1.0	0.95	95	ND	ND	ND	0	125	109	112	87	90	65-106	3	20	0.15
Chromium	mg/kg	1.0	0.97	97	ND	14	14	0	125	122	127	86	90	61-128	4	20	0.15
Cobalt	mg/kg	1.0	0.89	89	ND	2.8	2.8	0	125	107	110	83	86	68-112	3	20	0.15
Copper	mg/kg	1.0	0.98	98	ND	3.1	3.3	6	125	111	116	86	90	60-133	4	20	0.15
Lead	mg/kg	1.0	0.98	98	ND	0.82	0.89	8	125	109	114	87	91	68-106	4	20	0.25
Molybdenum	mg/kg	1.0	0.97	97	ND	ND	0.35	200	125	110	112	88	90	67-107	2	20	0.25
Nickel	mg/kg	1.0	0.90	90	ND	16	16	0	125	122	126	85	88	29-155	3	20	0.15
Selenium	mg/kg	1.0	0.89	89	ND	0.44	ND	200	125	98	101	78	80	51-114	3	20	0.25
Silver	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	103	106	82	85	45-111	3	20	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	120	123	96	98	60-111	2	20	0.25
Vanadium	mg/kg	1.0	0.96	96	ND	8.7	8.7	0	125	117	121	87	90	71-116	3	20	0.15
Zinc	mg/kg	1.0	0.93	93	ND	9.3	10	7	125	111	116	81	85	47-128	4	20	0.50

Approved by: LPL RV
LiPing Liu
Inorganics Supervisor

Date: 3/22/99

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA7471A
Analyst: DJ
Data File: 90319-1
QA File: 9078-1

Date: 03/19/99
Sample ID: 34129-004
Matrix: SOIL/SOLID/LIQUID
QC Batch Number: HG990319S-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	DLR
Mercury	mg/kg	0.015	0.014	93	ND	ND	0.83	0.74	0.71	89	86	63-139	4	30	0.10

Approved by: PFA for
Liping Liu
Inorganics Supervisor

Date: 3/22/99

Advanced Technology Laboratories

FAX

Date 3/18/99

Number of pages including cover sheet 2

TO: DIANE
PTL

Phone 562 989 4045
Fax Phone 562 989 4040

FROM: **Ross J. White**
Geocon Environmental Consultants, Inc.
5673 W. Las Positas Blvd., Suite 205
Pleasanton, CA 94588

Phone 925.469.9750
Fax 925.469.9749

CC:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

DIANE,

PLEASE PERFORM THE ANALYSES ADDED TO THE FOLLOWING CHAIN-OF-CUSTODY

-43 (MED3-2)	TITLE 22 METALS
-44 (MED3-4)	VOCs
-45 (MED3-6)	SVOCs
-46 (MED3-8)	pH
	TPHg + TPHd

NEED THE RESULTS MONDAY AFTERNOON
(i.e, 48-HR TAT)

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: DB Date: 3-18 Time: 1720

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y ☑ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☐

Client: Erecon
Attn: Ross White
Address: 5673 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749
Project Name: Project #: S8130-06-99A Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) Dave Galvan	Date: 2-21-99	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
_____ Date: / /
Print Name
_____
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M TPHG/BTEX COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC / REMARKS
	34129-001	33430-043/MED3-2	2/23					X	X	X	X		X	X		X											
	002	044/MED3-4	↓					↓	↓	↓	↓		↓	↓		↓											
	003	045/MED3-6																									
	004	046/MED3-8	↓																								

RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P= J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ (aOH T=$Na_2S_2O_3$

DISTRIBUTION: White with re Yellow to folder Pink to submitter

March 26, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Gateway, #S8130-06-99A
Lab No.: 34275-001/003

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

April 20, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White
SUBJECT: AMENDED REPORT

Client's Project: Gateway, #S8130-06-99A
Lab No.: 34275-001/003

The report was amended for the following:

The result for sample 34275-003 MED6-0 was changed.

Please disregard all previous documentation that corresponds to the pages(s) enclosed.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Gateway, #S8130-06-99A

Date Received: 02/24/99
Date Sampled: 02/23/99
Date Extracted: 03/24/99, *04/13/99
Extraction Method: EPA 1311
Date Amended: 04/19/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
34275-001	MED2-2	EPA 7420 (Lead)	03/26/99	2.0	TCLP Extract, mg/L	0.15	0.15	HP
34275-002	MED5-0	EPA 7420 (Lead)	03/26/99	0.45	TCLP Extract, mg/L	0.15	0.15	HP
34275-003*	MED6-0	EPA 6010 (Lead)	04/14/99	0.21	TCLP Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 4/19/99

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report

Method: EPA7420
Analyst: HP
Data File: AA90326-1
QA File: 9085-1

Date Analyzed: 03/26/99
Date Extracted: 03/24/99
Sample ID: BLANK
Matrix: TCLP EXTRACT

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	DLR
Lead	mg/L	1.0	1.2	120	ND	ND	5.0	4.9	4.9	98	98	50-150	0	50	0.15

Approved by: _____
Liping Liu
Inorganics Supervisor

Date: 3/26/99

Advanced Technology Laboratories

FAX

Date 3/24/99

Number of pages including cover sheet 1

TO: DIANE
ATL

Phone (562) 989-4045
Fax Phone (562) 989-4040

FROM: Ross J. White
Geocon Environmental Consultants, Inc.
5673 W. Las Positas Blvd., Suite 205
Pleasanton, CA 94588

Phone 925.469.9750
Fax 925.469.9749

CC:

REMARKS: ☑ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

DIANE,
PLEASE ANALYZE THESE THREE SOIL SAMPLES FOR SOLUBLE LEAD VIA TCLP

MED2-2 (33430-036)
MED5-0 (33430-048)
MED6-0 (33430-049)

48-HR TAT. I NEED RESULTS ASAP.

THANKS

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: AD Date: 3.24 Time: 1410

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y ☑ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☐

Client: Geocon
Attn: Ross White
Address: 5173 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name: Gateway Project #: 8130-06-99A Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 2.24.99 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
_____ Date: / /
Print Name
_____
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M TPH(G/BTEX(COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	TCLP Lead	CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s): #	Type	PRESERVATION	QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____	REMARKS
	34275-001	33430-036/MED2-2	2/23												X			X									
	002	048/MED5-0	↓												↓			↓									
	003	049/MED0-0	↓												↓			↓									

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P= J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ C OH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter