State of California

Business, Transportation and Housing Agency

Memorandum

To: Emerald Chao
Design Ala II

Date: February 25, 2002

File: 04-Ala-580-KP 16.4/16.9
EA 04-283900

From: **DEPARTMENT OF TRANSPORTATION – DISTRICT 04**
Office of Environmental Engineering

Subject: Site Investigation Report

Attached please find two copies of the report entitled, "Soil and Groundwater Investigation Report Westbound I-580 Soundwall KP 16.5/16.9 Alameda County, California," prepared by IT and dated February 21, 2002. One copy of the report was submitted to the District 4 Duty Senior, David Woo.

If you have any questions or need further information, please contact Jill Pollock at 286-5638.

Celia McCuaig

CELIA McCUAIG
District Branch Chief
Office of Environmental Engineering

cc: DWoo /JPollock/ file

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IT CORPORATION
A Member of The IT Group

SOIL AND GROUNDWATER INVESTIGATION REPORT

WESTBOUND I-580 SOUNDWALL
KP 16.5/16.9
ALAMEDA COUNTY, CALIFORNIA

February 21, 2002

Prepared for:

California Department of Transportation
District 4
Office of Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Prepared by:

IT Corporation
1326 North Market Boulevard
Sacramento, California 95834

EA No.: 04-283900
Task Order No.: 04-283900-WS
Contract No.: 43A0078

IT Project No.: 832661

FOR INFORMATION ONLY

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IT Project No. 832661

Donald P. Bransford, R.G.
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Executive Summary

IT Corporation (IT) conducted a soil and groundwater investigation along Interstate Route 580 (I-580) between kilometer posts (KP) 16.5 and 16.9 in Alameda County, California, for the proposed soundwall. The purpose of this investigation was to assess the presence and concentration of potentially hazardous materials and petroleum products in soil and groundwater within the aforementioned project limits.

Ten borings were advanced to depths of up to approximately 3 to 6.6 meters (10 to 25 feet) below the ground surface (BGS) by drill rigs equipped with 0.2-meter (8 inch) hollow-stem augers. The borings were located as close as practical to the proposed soundwall location. At four localities, alternate boring locations were used because access to the proposed soundwall location was restricted by a drainage ditch and/or vegetation. For these four alternate boring locations, hand auger borings were advanced at the original locations for collection of shallow soil samples for lead testing. The subsurface lithology primarily consisted of silty clay with minor amounts of silty sand. Groundwater was encountered during drilling at depths of approximately 2.4 to 3 meters (8 to 10 feet) BGS.

Soil samples collected from the site were reported by the laboratory to contain total petroleum hydrocarbons as oil (TPHo), volatile organic compounds (VOCs), and lead. Concentrations of VOCs and lead reported in the soil samples did not exceed the U.S. Environmental Protection Agency, Region 9, industrial soil Preliminary Remediation Goals (PRGs). No PRGs have been published for TPHo. The TPHo concentrations reported in the soil samples are considered to be generally low, except for one soil sample with a reported TPHo concentration of 5,600 milligrams per kilogram (mg/kg). This sample was collected from an alternate boring location, away from the proposed soundwall construction area.

Lead concentrations were compared to Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) values to evaluate whether the soil would be considered a hazardous waste, should it become a waste. One soil sample was reported to contain a soluble lead concentration that exceeded the STLC value. Statistical evaluation of the lead data resulted in an arithmetic mean concentrations of 24.3 mg/kg and a calculated mean value 90% upper confidence level (UCL) for total lead data of 32.1 mg/kg. The soluble lead concentration for WET data corresponding to the total lead mean value 90% UCL is 1.27 mg/l. Based on the statistical analysis, the waste soil would not be considered a hazardous waste.

Grab groundwater samples were reported to contain VOCs and heavy metals. None of the reported heavy metal concentrations exceeded their respective MCLs. Of the VOCs, only benzene in one sample was reported at a concentration that exceeded the drinking water Maximum Contaminant Levels (MCL). The source for the VOCs is not known. Soil samples from the borings with VOC detections were not reported to contain total petroleum hydrocarbons as gasoline or VOCs. Therefore, the source is likely located off-site.

1.0 Introduction

This report has been prepared by IT Corporation (IT) to present the results of the soil and groundwater investigation conducted along Interstate Route 580 (I-580) between kilometer posts (KP) 16.5 and 16.9 in Alameda County, California (Figure 1). This location extends along the westbound outside shoulder from approximately 0.9 kilometers (km) west of the Vasco Road Overcrossing to 0.3 km east of the First Street Separation. The work was conducted on behalf of Caltrans and in general accordance with Caltrans Contract 43A0078, Task Order No. 04-283900-WS (Caltrans, 2001).

Caltrans proposes to construct a soundwall along westbound I-580 between KP 16.5 and 16.9. Construction of the soundwall will generate waste soil. If shallow groundwater is present, dewatering may be required. Therefore, the purpose of this investigation was to assess the presence and concentration of potentially hazardous materials and petroleum products in soil and groundwater within the aforementioned project limits. All work was conducted within Caltrans right-of-way.

1.1 Project History

According to the task order (Caltrans, 2001), Caltrans conducted a VISTA database search, and the results indicated that several possible sources of contamination, including leaking underground storage tanks, were located in the vicinity of the site.

IT is not aware of any previous site investigative work in the area.

1.2 Objectives

The objective of this scope of work was to assess the presence and concentration of potentially hazardous materials and/or petroleum hydrocarbons in soil and groundwater within the aforementioned project limits. Additionally, data were collected for Caltrans evaluation of geotechnical soil properties.

2.0 Scope of Work

To achieve the project objective, the following scope of work was conducted:

1. Permitting and Mobilization
2. Field Investigation
3. Laboratory Analyses
4. Investigation-Derived Waste Disposal
5. Site Investigation Report Preparation

2.1 Permitting and Mobilization

A standard Caltrans encroachment permit from District 4 was obtained for this investigation. IT obtained drilling permits for the soil borings from the Alameda County Public Works Agency. Copies of the permits are contained in Appendix A. Underground Service Alert was notified of the subsurface investigation at least 48 hours prior to initiation of the investigation.

A site-specific health and safety plan was prepared in accordance with 29 CFR 1910.120. The health and safety plan included safety procedures for work to be performed at the site, chemical hazard information, site safety officers, and preferred medical emergency locations.

2.2 Field Investigation

The scope of work for this project included an underground utility survey and the advancement of ten borings using hollow stem auger sampling equipment for collection of soil and grab groundwater samples. This work was conducted on November 5, 6, 7, and 13, 2001. The borings were located as close as practical to the proposed soundwall location. At four boring localities, alternate boring locations were used as access to the proposed soundwall location was restricted by a drainage ditch and/or vegetation. Four hand auger borings were advanced at the original locations corresponding to the alternate borings for collection of shallow soil samples.

2.2.1 Underground Utility Survey

An underground utility survey was conducted to access the presence of unreported underground utilities near the boring locations and generally within the area of the soundwall. The survey was conducted using both a Fisher TW-6M and Radiodetection RD-400 pipe and cable locators to evaluate the presence of anomalies potentially created by underground utilities. A GSSI SIR-200 ground-penetrating radar (GPR) system was used to further characterize the source and depth of

identified anomalies. The GPR was traversed in a north/south and an east/west pattern directly over each of the proposed boring locations.

The location of anomalies interpreted to represent underground utilities borings were established using a Trimble GPS Pathfinder™ Pro XRS global positioning system (GPS). The GPS utilized a GPS receiver and MSK radio beacon differential receiver. The GPS is reported to have sub-meter precision for horizontal location of the borings. The GPS data for the anomalies were downloaded in the office and Trimble software utilized to provide differential corrections to the coordinates. Anomaly and interpreted underground utility coordinates are presented in Appendix B.

2.2.2 *Drilling and Soil Sampling*

Ten borings were advanced to depths of up to approximately 3 to 6.6 meters (10 to 25 feet) below the ground surface (BGS) by a truck-mounted drill rig or tracked, all-terrain drill rig equipped with 0.2-meter (8 inch) hollow-stem augers. Boring locations are shown in Figure 2. The boring locations were evenly spaced along the length of the project site.

The locations of the borings were established using GPS. Coordinates for the borings were obtained from an electronic drawing file provided by Caltrans and were uploaded to the GPS. The borings were located in the field using the navigation function of the GPS. Alternate boring location coordinates were established in the field using the GPS. The GPS data for the alternate borings were downloaded in the office and Trimble software utilized to provide differential corrections to the coordinates. Boring coordinates are presented on Table 1.

Soil samples were collected from 0, 0.3, 0.6, 0.9, and 1.5 meters (0, 1, 2, 3, and 5 feet) below the ground surface (BGS). Beginning at approximately 1.5 meters (5 feet) BGS, soil samples were collected on 1.5-meter (5-foot) intervals and from the approximate capillary fringe. Soil samples were collected using a California-modified split-spoon sampler lined with 0.15-meter (6-inch) long metal sample tubes. Blow counts were recorded at each sample interval. The soil samples were placed in an insulated chest containing ice for storage and shipment to the laboratory.

The fieldwork was conducted under the supervision of a California Registered geologist. The borings were logged in the field and soil samples field screened for the presence of volatile organic compounds using a photo-ionization detector (PID). Drilling and sampling procedures are presented in Appendix C. Boring logs are also contained in Appendix C.

All drilling and sampling equipment was washed prior to use. In addition, to minimize cross-contamination between borings, all appropriate downhole drilling and sampling equipment was

washed between borings and sample intervals. Drill cuttings and wash water were placed into a 208-liter (55-gallon) United Nations-approved drum.

2.2.3 Grab Groundwater Sample Collection

Groundwater was generally encountered within approximately 2.4 to 3 meters (8 to 10 feet) of the ground surface. Grab groundwater samples were collected from borings B-1A, B-4A, B-7A, and B-10. The grab groundwater samples were collected from temporary well casing inserted into each boring, except for boring B-10 where the grab groundwater sample was collected from within the auger. The temporary well casing consisted of 5-centimeter (2-inch) diameter, Schedule 40, flush-threaded, 0.05-centimeter (0.020-inch), machine-slotted polyvinyl chloride (PVC) well screen. The grab groundwater samples were collected using a new, dedicated, disposable polyethylene bailer for each sample. Grab groundwater samples were transferred from the bailers to laboratory-supplied containers appropriate for the analytical methods selected. The groundwater grab samples were labeled, packaged, and stored in an insulated chest and preserved with ice for transport under chain-of-custody manifest to the analytical laboratories.

2.3 Laboratory Analyses

The soil and grab groundwater samples collected and retained for analysis were submitted to Sparger Technology, Inc. (Sparger), of Sacramento, California, a California-certified analytical laboratory. Chain of custody procedures, including the use of chain of custody forms, were used to document sample handling and transport from the time of collection to delivery to the laboratories for analysis. The chain of custody forms and laboratory analytical reports are included in Appendix D.

The analyses were conducted in accordance with U.S. Environmental Protection Agency (EPA)-specified holding times. The samples were analyzed for hazardous materials and petroleum products as listed below.

Matrix	Analyses
Soil	Total Petroleum Hydrocarbons as Diesel EPA Method 8015
Soil	Total Petroleum Hydrocarbons as Gasoline EPA Method 8015
Soil	Total Petroleum Hydrocarbons as Oil EPA Method 8015
Soil	Polychlorinated Biphenyls (PCBs) EPA Method 8082
Soil/water	Volatile Organic Compounds EPA Method 8260B
Soil/water	Fuel Oxygenate Compounds EPA Method 8260B
Soil/water	pH EPA Method 9045
Soil	Lead EPA Method 6010
Water	Title 22 Metals EPA Method 6010/7421

Soil samples reported to contain lead concentrations in excess of ten-times the Soluble Threshold Limit Concentration (STLC) were selected by Caltrans for further analysis for the soluble concentration of lead. Selected soil samples were analyzed for soluble lead concentrations using the Waste Extraction Test (WET). The STLC results from the WET analyses are used to assess whether a waste is a California hazardous waste based on the soluble concentrations of lead within the waste. Soluble lead analyses were conducted on four soil samples.

Selected soil samples were retained for geotechnical testing. These samples were submitted to Sunland Analytical Lab of Rancho Cordova, California. The samples were tested for pH and minimum resistivity by California Test Method (CTM) 643, sulfate by CTM 417, and chloride by CTM 422.

Analytical results reported for the soil samples analyzed are presented on Tables 2, 3, and 4. Analytical results reported for the grab groundwater samples analyzed are presented on Tables 5 and 6.

2.4 Investigation-Derived Waste Disposal

Drill cuttings and wash water generated during the field investigation were contained for disposal in 208-liter (55-gallon) drums, approved by the United Nations for transport of liquid and solid wastes. The drums were stored at the Caltrans maintenance yard off Vasco Road in Livermore, California. The drums will be removed from the site for disposal within 90 days of completion of the field investigation.

Soil classified as non-hazardous will be sent to TPS Technologies, Inc., for rotary kiln thermal desorption at either their Oakland, California, or Adalanto, California, facility. Soil classified as hazardous will be sent to Chem Waste Management for disposal at their Class I Kettleman Hills, California, facility. The wastewater generated is expected to be profiled and transported for recycling at the Demenno Kerdoon facility in Compton, California. Once drum disposal has been completed, documentation of removal will be forwarded to Caltrans.

3.0 Results of Field Investigation

3.1 Underground Utility Survey

Anomalies potentially created by underground utilities were investigated using GPR. Certain anomalies investigated were interpreted to have been created by underground utilities. GPS coordinates and Graphical Information System (GIS) maps of these interpreted underground utilities are presented in Appendix B. Accurate estimates of the depths of the utilities could not be made due to signal interference from subsurface objects. The approximate depth of the anomalies is 0.3 to 0.5 meters (1 to 1.5 feet) BGS. The natural gas line located east of boring B-10 was estimated present at 0.2 meters (9 inches) depth.

3.2 Subsurface Conditions

The site is mapped as being underlain by Late Pleistocene alluvium (Helley, et al., 1979). These deposits are described as weakly consolidated, poorly sorted, irregularly bedded clay, silt, sand, and gravel. The alluvium is reported to reach a thickness of at least 46 meters (150 feet), and may be on the order of up to 300 to 600 meters (1,000 to 2,000 feet) beneath San Francisco Bay. The age of the Late Pleistocene alluvium is 10,000 years and older with a maximum age of up to 70,000 years. The alluvium was deposited in stream channels and on stream terraces and alluvial fans (Helley, et al., 1979).

Based on soil samples collected from the borings, the subsurface lithology primarily consisted of silty clay with minor amounts of silty sand. Groundwater was encountered during drilling at depths of approximately 2.4 to 3 meters (8 to 10 feet) BGS.

3.3 Soil Sampling Results

Selected soil samples were analyzed for waste characterization testing. This program included analyses of selected samples for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as oil (TPHo), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), fuel oxygenate compounds, lead, and pH. Soil samples analyzed for waste characterization testing were collected from depths of 0, 0.6, 0.9, and 1.5 meters (0, 2, 3, and 5 feet) BGS, and from the approximate groundwater interface at depths of 3 to 4.6 meters (10 to 15 feet) BGS.

Additional samples were submitted for geotechnical testing. This program included tests for minimum resistivity, sulfate, chloride, and pH. Soil samples analyzed for geotechnical testing were collected from depths of 1.5, 3, 4.6, 6.1, and 7.6 meters (5, 10, 15, 20, and 25 feet) BGS.

Soil sample analytical results are summarized on Tables 2, 3, and 4. A summary of the results is presented below.

3.3.1 Waste Characterization Testing

3.3.1.1 Petroleum Hydrocarbons

Thirty-eight soil samples were analyzed for TPHg, TPHd, and TPHo. The samples were not reported to contain TPHg or TPHd at concentrations exceeding the analytical method reporting limits (Table 2). TPHo was reported in six soil samples at concentrations ranging from 63 to 5,600 milligrams per kilogram (mg/kg).

3.3.1.2 Polychlorinated Biphenyls

Ten soil samples were analyzed for PCBs. The samples were not reported to contain PCBs at concentrations exceeding the analytical method reporting limits (Table 2).

3.3.1.3 Fuel Oxygenate Compounds and Volatile Organic Compounds

Fuel oxygenate compounds were not reported in any of the 28 soil samples analyzed. Two volatile organic compounds were reported in 8 of the 28 soil samples analyzed (Table 2). The following VOCs and concentrations ranges were reported (in mg/kg).

acetone	0.0031 to 0.050	isopropylbenzene	0.014

3.3.1.4 Lead

Lead analyses were conducted on 37 soil samples (Table 3). A summary of lead results compared to the TTLC and 10 times STLC values is presented below.

Heavy Metal	10 Times STLC (mg/l)	Number Samples at or Exceeding 10 Times STLC	TTLC (mg/kg)	Number Samples Exceeding TTLC	Total Concentration Range (mg/kg)
lead	50	4	1,000	0	3.38 to 174

Selected soil samples were analyzed for soluble lead concentrations by the WET. A summary of soluble lead results compared to the STLC value is presented below and on Table 3.

Heavy Metal	STLC Value (mg/l)	No. Samples Exceeding STLC Value	WET Concentration Range (mg/l)
lead	5.0	1 of 4	1.42 to 7.61

3.3.1.5 pH

Tests for pH values were conducted on 19 soil samples. Reported pH values ranged from 6.8 to 8.1 (Table 3).

3.3.2 Geotechnical Testing

Twenty-eight soil samples were tested for minimum resistivity, sulfate, chloride, and pH. Minimum resistivity was reported to range from 620 to 2,140 ohms per centimeter. Sulfate concentrations ranged from 12.5 to 82.3 parts per million (ppm). Concentrations reported for chloride ranged from 16.6 to 178.7 ppm. Values for pH ranged from 6.64 to 8.03. The results are summarized below and on Table 4.

3.4 Grab Groundwater Sampling Results

Grab groundwater grab sample analytical results are summarized on Tables 5 and 6. The groundwater samples were analyzed for VOCs, fuel oxygenate compounds, heavy metals, and pH. A summary of the results is presented below.

3.4.1 Fuel Oxygenate Compounds and Volatile Organic Compounds

Fuel oxygenate compounds were not reported in the four grab groundwater samples analyzed at concentrations exceeding the analytical method reporting limits (Table 5). Volatile organic compounds were reported in two of the four groundwater grab samples analyzed (Table 5). The following VOCs and concentrations ranges were reported in grab groundwater samples collected from borings B-4A and B-10 (in milligrams per liter, mg/l).

1,2,4-trimethylbenzene	0.0096	1,3,5-trimethylbenzene	0.0054
2-butanone (MEK)	0.085	acetone	0.0067
acrolein	0.042	acrylonitrile	0.0045
benzene	0.081	chloromethane	0.0060 to 0.014
ethylbenzene	0.035	naphthalene	0.0021
n-propylbenzene	0.0045	vinyl acetate	0.0038
xylenes	0.055		

Travel blanks were not reported to contain VOCs or fuel oxygenate compounds at concentrations exceeding the analytical method reporting limits (Table 5).

3.4.2 Heavy Metals

The grab groundwater samples were reported to contain barium, chromium, and zinc (Table 6). The following heavy metals and concentrations ranges were detected (in mg/l).

barium	0.091 to 0.20	chromium	<0.010 to 0.012
zinc	<0.015 to 0.073		

3.4.3 pH

Tests for pH values ranged from 6.8 to 7.1 (Table 6).

4.0 Data Evaluation

4.1 Soil Conditions

4.1.1 Magnitude of Concentrations

Soil sample analytical results are summarized on Tables 2, 3, and 4. The soil samples were reported to contain TPHo, VOCs, and lead. The pH values reported are within a generally neutral range common to soil.

Caltrans stated that a spill of oil containing PCBs was listed on I-580 in the vicinity of the site by a data base search report (Caltrans, personal communication, 2002). Surface soil samples collected from the site were analyzed for PCBs. The soil samples were not reported to contain PCBs at concentrations exceeding the analytical method reporting limits.

Soil results were compared to EPA, Region 9, Preliminary Remediation Goals (PRGs) for industrial soil (EPA, 2000). The PRGs are risk-based tools for evaluation of soil analytical data and are based on generally accepted exposure pathways for specific land-use conditions. They do not consider impacts to groundwater or ecological receptors.

Two volatile organic compounds were reported by the laboratory in soil samples collected from five of the ten borings drilled at the site. Borings with soil samples reported to contain VOCs include B-1A, B-2A, B-3A, B-8, and B-9 (Figure 2). The source for the VOCs is not known. Industrial soil PRGs (EPA, 2000) have been published for acetone (6.2 mg/kg) and isopropylbenzene (0.520 mg/kg). The concentrations reported for these VOCs are one to four orders of magnitude less than the published industrial soil PRGs.

No PRGs have been published for TPHo. The TPHo concentrations reported in the soil samples are considered by IT to be generally low. However, a soil sample from boring B-6A was reported to contain 5,600 mg/kg TPHo. This boring was drilled at an alternate location, away from the proposed soundwall construction area, in the surface soil sample. This result may reflect a small, isolated leak of motor oil from a vehicle.

Soil samples collected from the site were reported to contain lead (Table 3). Lead was not reported at concentrations that exceeded its industrial soil PRG. The industrial soil PRG for lead is 750 mg/kg. In the following section, the lead concentrations are compared to TTLC and STLC values to evaluate whether the soil would be considered a California-hazardous waste, should it become a waste.

4.1.2 Lead Data Evaluation

4.1.2.1 Lead Concentration and Distribution

Soil samples collected from the site were reported to contain lead (Table 3). The source for the lead is suspected to be leaded gasoline emissions. Studies along the transportation corridors have attributed elevated lead concentrations within soil to accumulation of dust and debris containing lead from leaded gasoline emissions (Coltrin, et al., 1993). The elevated lead concentrations generally decreased with depth. This is typical of accumulations of aerially deposited lead, as reported by Coltrin and others (1993), where concentrations of lead were observed to decrease with depth.

Lead concentrations were compared to TTLC and STLC values to evaluate whether the soil would be considered a California-hazardous waste, should it become a waste. Generally, TTLC and STLC values for lead are used to judge whether a waste is a California-hazardous waste based on the total and soluble concentration of lead within the waste. The TCLP values are used to judge whether a waste is a Resource Conservation and Recovery Act (RCRA)-hazardous waste (also known as a Federal hazardous waste) based on the soluble concentration of lead within the waste.

No soil samples were reported to contain total lead concentrations that exceed the TTLC value of 1,000 mg/kg for lead. A soil sample collected from boring B-2 was reported to contain soluble lead at a concentration in excess of the STLC of 5 mg/l by WET analysis. Soil samples reported to contain total lead exceeding the TTLC and soluble lead exceeding the STLC would be considered a California-Hazardous waste, should the soil become a waste. No soil samples were analyzed by the TCLP.

The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), granted Caltrans a variance for soil considered hazardous due to the presence of elevated lead concentrations (DTSC, 2000). The variance allows Caltrans to reuse lead-contaminated soil within Caltrans right-of-way in the roadway corridor boundaries under certain conditions if the soil is considered a non-RCRA waste. Assembly Bill 414 allows Caltrans to re-use soil with total lead concentrations of up to 1,496 mg/kg. However, within the jurisdiction of the Regional Water Quality Control Board, San Francisco Bay Region, Caltrans' is restricted to total lead concentrations of less than 350 mg/kg, in accordance with Health and Safety Code Section (HSC) 25157.8. Therefore, in accordance with the variance and HSC 25157.8, the following conditions apply to Caltrans' re-use and management of soil impacted by aerially deposited lead as fill material for construction and maintenance operations (DTSC, 2000):

1. As fill beneath at least one foot of clean (non-hazardous) soil and a minimum five feet above the maximum water table elevation if the soluble lead concentration reported by the DIWET analysis is less than 0.5 mg/l and the total lead concentration is less than 350 mg/kg. This condition applies only if the soil is not a RCRA waste.
2. As fill beneath a pavement structure designated to protect the soil from water infiltration and five feet above the water table if the soluble lead concentration reported by DIWET analysis is greater than 0.5 mg/l but less than 50 mg/l, and the total lead concentration is less than 350 mg/kg. This condition applies only if the soil is not a RCRA waste.
3. Lead-contaminated soil with a pH below 5 shall only be used as fill beneath the paved portion of the roadway. This condition applies only if the soil is not a RCRA waste.

No TCLP analyses were conducted. Therefore, evaluation of whether the soil would be considered a RCRA-hazardous waste and whether the soil would be excluded from the variance based on a Federal waste classification was not performed.

4.1.2.2 Lead Data Statistical Analysis

A statistical evaluation was conducted to further evaluate the concentration of lead within soil at the site. The statistical evaluation addressed the following items:

- Calculation of arithmetic mean;
- Determination of normal or lognormal distribution of the sample data; and
- Calculation of the 80% Confidence Interval (CI) which provides a corresponding 90% Upper Confidence Level (UCL), interpreted as a 0.90 probability that the true mean for a given population is no higher than the calculated UCL.

At the request of Caltrans, the data was evaluated as a whole. The samples from all intervals within the data set were combined for analysis as Caltrans plans call for excavation of soil to depths of greater than 4.6 meters (5 feet) for soundwall construction. Evaluation of the soil data resulted in an arithmetic mean (average) concentration of total lead of 24.3 mg/kg (Appendix E).

A histogram of the total lead results was constructed to evaluate the distribution of the total lead concentrations within the data set. The data were found to be heavily skewed to lower concentrations (Appendix E). In general accordance with Caltrans contract 43A0012, the data were lognormally transformed. A histogram of the lognormally transformed data is included in Appendix E. The transformed data were also not found to have a normal distribution. Therefore, statistical analysis was conducted using non-parametric techniques, which do not require that the data be drawn from a specific distribution (Gilbert, 1987).

The statistical analysis for the total lead data was conducted using the Bootstrap method (Efron, 1982) to estimate the 90% UCL for the mean of the total lead data. Bootstrap methods are non-parametric techniques to infer the distribution of a statistic derived from a data set. Bootstrap methods construct a "distribution" for a statistic (in this case the mean) by resampling with replacement from the data set. A large number (B) of data subsets of size n (where n is the size of the data subset) are selected. The statistic is computed for each of the B data subsets of size n. This gives a sample of values of the statistic, rather than one value. Confidence limits for the population parameter that is estimated by the Bootstrapped statistic are then constructed using percentiles of the sampled distribution of the statistic. Nondetects are handled using the principle of Maximum Entropy, which treats the nondetect as an unobservable random variable drawn from a population which is uniform on the interval from zero to the detection limit.

The nonparametric bootstrap was used to compute the 90% UCL for the mean. There are several variations on the nonparametric Bootstrap. Efron's empirical quantile method (Efron, 1982) applied to the mean was used to estimate the 90% UCL for the mean for this data set. The 90% UCL calculated for total lead data is 32.1 mg/kg (Appendix E).

Pearson (product moment) correlation coefficients (Pearson values) were obtained from regression analysis for regression lines fit to the soluble lead data (Appendix E). Prior to calculation of the correlation coefficients, the total/soluble lead bivariate data were visually inspected for outliers. Scatter plots were generated for the total/soluble lead data pairs. As discussed in Gilbert (1987), data points outside the main "data cloud" can be considered outliers as they may not be from the same bivariate distribution as the remaining data points. No points were considered to be outliers.

The correlation coefficient for the total/WET lead data was 0.9. The correlation coefficient for the WET data indicate that acceptable correlation between total and WET soluble data exists and that the relationship is linear. An expected soluble (WET) lead concentration was obtained from regression analysis (model fit to the data) developed from the total and WET soluble lead data. The coefficient for the dependant variable (slope of regression line) used in the regression analysis and the total lead versus soluble lead concentration plot is presented in Appendix E. The soluble lead concentration for WET data corresponding to the total lead 90% UCL is 1.27 mg/l.

4.1.2.3 Summary

IT conducted statistical analyses on the total and soluble lead data. The statistical analyses assumes that the soil will be handled as one waste stream. The arithmetic mean and 90% UCL were below the TTLC of 1,000 mg/kg. The expected soluble (WET) lead concentration was calculated by regression analysis and found to be 1.27 mg/l (Appendix E). This value is less than the STLC for lead. Based on the statistics, the waste soil would not be considered a hazardous waste. The arithmetic mean concentration and 90% UCL values for total lead data were less than 350 mg/kg. This indicates that the waste soil would not require Class I disposal under HSC 25157.8.

4.2 Groundwater Conditions

Groundwater samples collected from the site were reported by the laboratory to contain VOCs and heavy metals. These results were compared to California and Federal Maximum Contaminant Levels (MCLs) for drinking water to evaluate the magnitude of the reported concentrations. Drinking water MCLs are directly applicable to groundwater resources when they are specifically referenced as water quality objectives in the pertinent Water Quality Control Plan (CVRWQCB, 2000). According to the Water Quality Control Plan for the San Francisco Bay Basin, existing and potential beneficial uses assigned to all groundwater basins within this basin include municipal and domestic water supply, industrial water supply, industrial process water supply, agricultural water supply, and fresh water replenishment to surface waters. The San Francisco Bay Basin Water Quality Control Plan provides that groundwater within basins designated for domestic or municipal supply shall not contain concentrations of organic or inorganic constituents in excess of the Primary or Secondary MCLs, where these values are above background concentrations (RWQCB, 1995).

Volatile organic compounds were reported by the laboratory in grab groundwater samples collected from two of the four borings sampled at the site. Borings with grab groundwater samples reported to contain VOCs include B-4A and B-10 (Figure 2). Maximum Contaminant

Levels (MCLs) (CVRWQCB, 2000) have been published for benzene (0.001 mg/l), ethylbenzene (0.700 mg/l), and xylenes (1.750 mg/l). The concentrations reported for ethylbenzene and xylenes are less than the published MCLs. The reported benzene concentration exceeded the MCL. The source for these VOCs is not known. Soil samples from these borings were not reported to contain TPHg or VOCs. Therefore, the source appears to be located off-site and Caltrans likely would not be required to conduct further investigation and/or remediation.

Groundwater grab samples collected from the site were reported to contain barium, chromium, and zinc (Table 6). None of the reported heavy metal concentrations exceeded their respective MCLs.

Should Caltrans conduct dewatering during soundwall construction, based on the discovery of VOCs, Caltrans should review the data to assess worker health and safety issues. Additionally, Caltrans should assess potential limitations for discharge of extracted water.

5.0 Conclusions and Recommendations

Based on the laboratory results, current regulatory guidelines, and the judgment of IT the following conclusions and recommendations are offered.

- The subsurface lithology primarily consisted of silty clay with minor amounts of silty sand. Groundwater was encountered during drilling at depths of approximately 2.4 to 3 meters (8 to 10 feet) BGS.
- Volatile organic compounds were reported in soil samples collected from borings B-1A, B-2A, B-3A, B-8, and B-9. The source for the VOCs is not known. The concentrations reported for the VOCs are one to four orders of magnitude less than the published industrial soil PRGs.
- The TPHo concentrations reported in the soil samples are considered by IT to be generally low. However, a soil sample from boring B-6A was reported to contain 5,600 mg/kg TPHo. This boring was drilled at an alternate location, away from the proposed soundwall construction area.
- Lead was reported in soil samples collected from the site. The source for the lead is not known. However, studies along the transportation corridors have attributed elevated lead concentrations within soil to accumulation of dust and debris containing lead from leaded gasoline emissions (Coltrin, et al., 1993).
- The reported lead concentrations within the soil samples did not exceed the industrial soil PRG.
- Lead concentrations were compared to TTLC and STLC values to evaluate whether the soil would, should it become a waste, be considered a hazardous waste. A soil sample collected from boring B-2 was reported to contain a soluble lead concentration by WET that exceeded the STLC of 5 mg/l for lead.
- The statistical evaluation of the lead data resulted in an arithmetic mean concentrations of 24.3 mg/kg and a calculated 90% UCL for total lead data of 32.1 mg/kg. The soluble lead concentration for WET data corresponding to the total lead 90% UCL is 1.27 mg/l.
- Based on the statistical analyses, the waste soil would not be considered a hazardous waste.
- Volatile organic compounds were reported by the laboratory in grab groundwater samples collected from borings B-4A and B-10. The reported benzene concentration in the sample collected from boring B-10 exceeded the MCL. The source for the VOCs is not known. Soil samples from these borings were not reported to contain TPHg or VOCs. Therefore, the source is likely located off-site.
- Groundwater grab samples collected from the site were reported to contain barium, chromium, and zinc. None of the reported heavy metal concentrations exceeded their respective MCLs.

6.0 References

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TABLE 1
BORING SUMMARY
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring	Depth		Coordinates		Soil Samples		GW	
Number	Meters	Feet	Easting	Northing	Waste	Geotech	Samples	Comments / Deviations from Workplan
B-1	0.15	0.5	500650.048	134348.454	1		0	hand auger boring; refusal at 0.15 meters
B-1A	7.6	25	500654.179	134341.262	4	5	1	
B-2	0.15	0.5	500686.797	134363.763	1		0	hand auger boring; refusal at 0.15 meters
B-2A	4.6	15	500689.443	134357.823	4		0	
B-3	0.3	1	500725.676	134378.369	2		0	hand auger boring; refusal at 0.30 meters
B-3A	7.6	25	500728.3	134373.405	4	5	0	
B-4	6	20	500760.137	134396.744	4		1	
B-4A	0.9	3	500776.555	134397.807	3		0	hand auger boring
B-5	0.6	2	500796.121	134415.847	3		0	hand auger boring; refusal at 0.60 meters
B-5A	7.6	25	500797.901	134408.35	4	4	0	
B-6	0.3	1	500831.196	134431.125	2		0	hand auger boring; refusal at 0.30 meters
B-6A	3	10	500830.795	134424.595	4		0	
B-7	0.3	1	500867.235	134450.195	2		0	hand auger boring; refusal at 0.30 meters
B-7A	7.6	25	500869.089	134443.73	4	5	1	
B-8	3	10	500900.185	134464.504	3		0	
B-9	7.6	25	500937.068	134485.575	4	5	0	
B-10	7.6	25	500969.926	134502.493	4	5	1	

Notes:
1. Depths reported in approximate feet / meters below the ground surface.
2. Coordinates provided by Caltrans in the California State Plane Coordinate System, 1927 survey.
3. Waste = samples for waste characterization. Geotech = soil samples for geotechnical testing.
4. GW Samples = groundwater samples.

TABLE 2
ORGANIC ANALYTICAL RESULTS - SOIL
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring Number	Sample Depth (m)	Sample Depth (ft)	8015m TPHg	8015m TPHd	8015m TPHo	8082 PCBs	8260B VOCs	8260B Fuel Oxygenates
B-1A	0	0	ND	ND	170	ND		
	0.6	2	ND	ND	93		ND	ND
	1.5	5	ND	ND	ND		acetone - 0.021	ND
	3.0	10	ND	ND	ND		acetone - 0.014	ND
B-2A	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	ND		ND	ND
	1.5	5	ND	ND	ND		acetone - 0.037	ND
	4.6	15	ND	ND	ND		ND	ND
B-3A	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	ND		ND	ND
	1.5	5	ND	ND	ND		acetone - 0.012	ND
	4.6	15	ND	ND	ND		acetone - 0.046	ND
B-4A	0	0	ND	ND	64	ND		
	1.5	5	ND	ND	ND		ND	ND
	4.6	15	ND	ND	ND		ND	ND
B-5A	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	ND		ND	ND
	1.5	5	ND	ND	ND		ND	ND
	4.6	15	ND	ND	ND		ND	ND
B-6A	0	0	ND	ND	5,600	ND		
	0.6	2	ND	ND	ND		ND	ND
	1.5	5	ND	ND	ND		ND	ND
	3.0	10	ND	ND	ND		ND	ND
B-7A	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	99		ND	ND
	1.5	5	ND	ND	ND		ND	ND
	3.0	10	ND	ND	ND		ND	ND
B-8	0	0	ND	ND	ND	ND		
	1.5	5	ND	ND	ND		acetone - 0.050	ND
	3.0	10	ND	ND	ND		acetone - 0.0091	ND
B-9	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	ND		acetone - 0.0031 isopropylbenzene - 0.014	ND
	1.5	5	ND	ND	ND		ND	ND
	3.0	10	ND	ND	ND		ND	ND
B-10	0	0	ND	ND	ND	ND		
	0.6	2	ND	ND	63		ND	ND
	1.5	5.5	ND	ND	ND		ND	ND
	3.0	10	ND	ND	ND		ND	ND
Reporting Limits			1.0	1.0	50	0.03	0.002	0.0020 to 0.010

Notes:

1. Analyses conducted in general accordance with the U.S. Environmental Protection Agency Method listed.
2. TPHg = total petroleum hydrocarbons as gasoline. TPHd = total petroleum hydrocarbons as diesel. TPHo = total petroleum hydrocarbons as oil. PCBs = polychlorinated biphenyls. VOCs = volatile organic compounds. Fuel Oxygenates = fuel oxygenate compounds.
3. Approximate soil sample collection depth in meters / feet (m / ft)) below the ground surface.
4. Concentrations reported in milligrams per kilogram.

TABLE 3
INORGANIC ANALYTICAL RESULTS - SOIL
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring Number	Sample Depth (m)	Sample Depth (ft)	Lead Total	Lead WET	pH
B-1	0	0	8.02		7.3
B-1A	0.3	1	23.4		8.1
	0.6	2	**64.2**	1.42	8.1
	0.9	3	6.11		
B-2	0	0	**174**	**7.61**	
B-2A	0.3	1	4.15		8.1
	0.6	2	7.49		6.8
	0.9	3	6.23		
B-3	0	0	37.5		
	0.3	1	5.72		7.5
B-3A	0.6	2	32.9		7.2
	0.9	3	5.00		
B-4	0	0	17.7		7.3
	0.3	1	13.8		
	0.6	2	13.7		
	0.9	3	7.64		8.0
B-5	0	0	33.9		
	0.3	1	15.1		7.5
	0.6	2	6.59		7.2
B-6	0	0	22.5		
	0.3	1	6.83		7.7
B-6A	0.6	2	6.88		7.2
	0.9	3	4.26		
B-7	0	0	13.1		6.9
	0.3	1	16.5		
B-7A	0.6	2	6.72		
	0.9	3	3.38		8.0
B-8	0	0	**63.6**	2.21	
	0.9	3	4.37		
B-9	0	0	9.83		
	0.3	1	29.1		7.2
	0.6	2	12.0		7.0
	0.9	3	44.5		
B-10	0	0	43.8		7.3
	0.3	1	21.2		
	0.6	2	**86.9**	3.10	
	0.9	3	22.0		6.9
TTLC			1,000		
10X STLC			50		
STLC				5.0	
PRG			750		
Reporting Limit			1.0	0.050	

Notes:

1. Lead Analyses conducted in general accordance with the U.S. Environmental Protection Agency (EPA) Method 6010.
2. pH tests conducted in general acfordance with EPA Method 9045.
3. Approximate soil sample collection depth in meters / feet (m / ft)) below the ground surface.
4. Total lead concentrations reported in milligrams per kilogram. pH results are unitless.
5. TTLC = Total Threshold Limit Concentration. STLC - Soluble Threshold Limit Concentration.
7. 10X STLC = 10 times the Soluble Threshold Limit Concentration. Values listed in milligrams per liter.
8. PRG = preliminary remediation goal established by the EPA, Region 9 (2000). Industrial soil PRG listed.
9. Bold results equal or exceed 10X STLC value for total lead and the STLC value for soluble lead..

TABLE 4
CORROSION TEST RESULTS - SOIL
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring Number	Sample Depth (m)	Sample Depth (ft)	pH	Min Resist	Chloride	Sulfate
B-1A	1.5	5	6.64	1,070	57.1	78.4
	3.0	10	7.35	2,140	16.6	19.4
	4.6	15	7.38	1,390	56.3	14.6
	6.1	20	7.24	1,060	27.0	30.7
	7.6	25	7.68	1,020	57.3	38.8
B-3A	1.5	5	7.72	620	76.0	82.3
	3.0	10	7.41	830	178.7	39.8
	4.6	15	7.40	990	67.8	14.0
	6.1	20	7.51	1,770	35.9	22.3
	7.6	25	7.55	1,150	37.3	32.8
B-5A	3.0	10	7.43	1,130	43.0	29.7
	4.6	15	7.52	1,020	35.4	33.5
	6.1	20	7.38	1,470	25.0	23.5
	7.6	25	7.51	1,230	33.8	20.6
B-7A	1.5	5	8.03	750	45.4	64.9
	3.0	10	7.79	910	30.7	49.2
	4.6	15	7.56	1,450	22.4	14.9
	6.1	20	7.40	1,020	22.7	12.5
	7.6	25	7.79	1,180	28.1	17.4
B-9	1.5	5	7.18	880	48.9	13.4
	3.0	10	7.47	870	75.6	15.0
	4.6	15	7.62	720	93.1	25.6
	6.1	20	7.68	1,150	57.6	20.4
	7.6	25	7.60	910	106.5	22.4
B-10	1.5	5	7.48	1,770	39.1	19.3
	3.0	10	7.71	940	63.8	31.3
	6.1	20	7.46	1,230	45.5	18.8
	7.6	25	7.87	1,290	54.2	20.8

Notes:

1. Approximate soil sample collection depth in meters / feet (m / ft)) below the ground surface.
2. Min Resist = minimum resistivity.
2. pH and minimum resistivity tests conducted in general accordance with California DOT Test Method (CTM) #643. Chloride tests conducted in general accordance with CTM #422. Sulfate tests conducted in general accordance with CTM # 417.
4. Minimum resistivity results reported in ohms per centimeter. Chloride and sulfate results reported in parts per million. pH results are unitless.

TABLE 5
ORGANIC ANALYTICAL RESULTS - WATER
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring Number	8260B VOCs	8260B Fuel Oxygenates
B-1A	ND	ND
B-4A	chloromethane - 0.0060	ND
B-7A	ND	ND
B-10	chloromethane - 0.014 acrolein - 0.042 acetone - 0.0067 acrylonitrile - 0.0045 vinyl acetate - 0.0038 2-butanone (MEK) - 0.085 benzene - 0.081 ethylbenzene - 0.035 xylenes - 0.055 n-propylbenzene - 0.0045 1,3,5-trimethylbenzene - 0.0054 1,2,4-trimethylbenzene - 0.0096 naphthalene - 0.0021	ND
TB	ND	ND
TB	ND	
TB	ND	ND
Reporting Limits	0.0020	0.0020 to 0.010

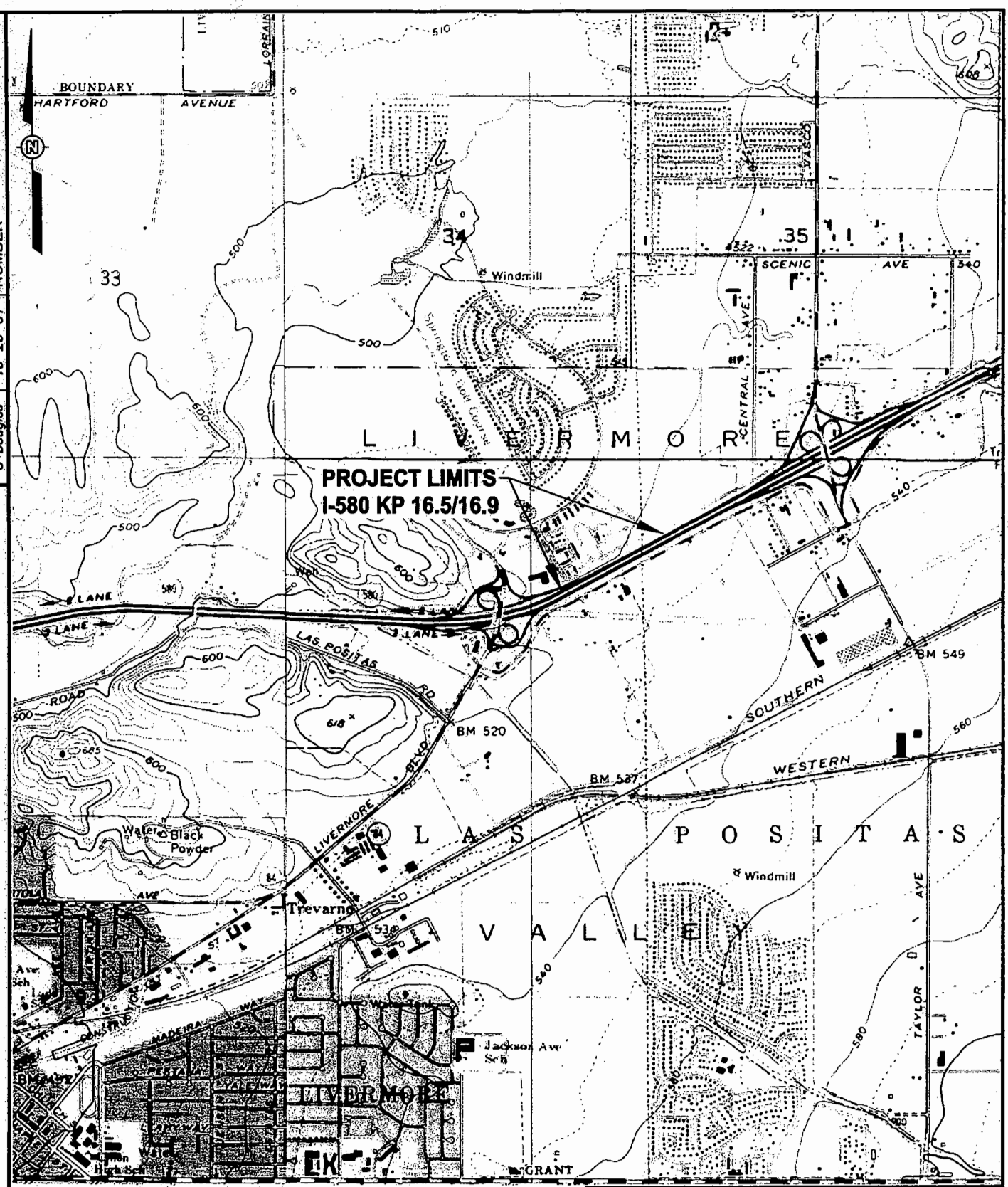
Notes:
1. Analyses conducted in general accordance with the U.S. Environmental Protection Agency Method listed.
2. VOCs = volatile organic compounds. Fuel Oxygenates = fuel oxygenate compounds.
3. Results reported in milligrams per liter.

TABLE 6
INORGANIC ANALYTICAL RESULTS - WATER
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Boring Number		pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
1		6.8	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.020
4A		7.1	ND	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7A		7.1	ND	ND	0.17	ND	ND	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016
10		6.9	ND	ND	0.091	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.073
Drinking Water Standards	CA MCL		0.006	0.05	1	0.004	0.005	0.05		1.3	0.015	0.002		0.1	0.05		0.002		
	CA 2 MCL									1						0.1			5
	US MCL		0.006	0.05	2	0.004	0.005	0.1		1.3	0.015	0.002			0.05		0.002		
	US 2 MCL									1						0.1			5
Reporting Limits			0.060	0.080	0.020	0.0030	0.0050	0.010	0.050	0.020	0.010	0.00020	0.050	0.040	0.10	0.010	0.10	0.050	0.015

Notes:
1. Metals analyses conducted in general accordance with U.S. Environmental Protection Agency (EPA) Methods 6010 and 7470.
2. Concentrations reported in milligrams per liter.
3. Bold results exceed drinking water standard levels.
4. ND = not detected in concentrations exceeding the listed reporting limit.
5. Groundwater samples labeled as follows: boring no.-GW. Ex.: 1A-GW for the groundwater sample collected from boring 1A.
6. CA MCL = California primary maximum contaminant level (MCL). CA 2 MCL = California secondary MCL. US MCL = U.S. primary MCL. US 2 MCL = U.S. secondary MCL.
7. Drinking water standard for chromium is for total chromium.

DRAWN BY		PROJECT NUMBER
C Douglas	10-26-01	832661



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SCALE

0 2000 4000 FEET

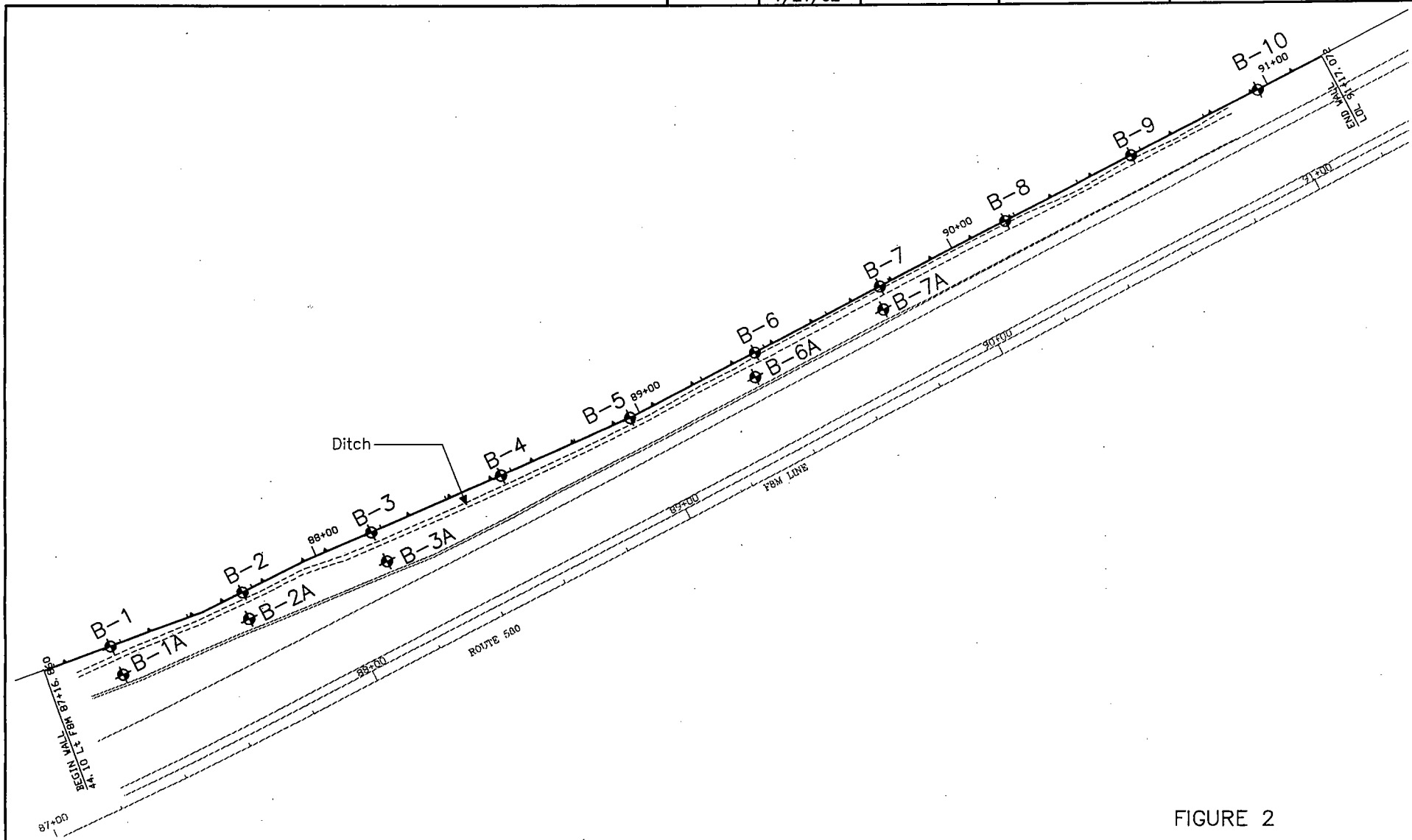
IT CORPORATION

CALTRANS –INTERSTATE ROUTE 580, ALAMEDA COUNTY
SOIL & GROUNDWATER INVESTIGATION
TASK ORDER No. 04–283900–WS

FIGURE 1

SITE LOCATION MAP

DRAWN BY	DPB	CHECKED BY		PROJECT NUMBER	832661
	1/21/02	APPROVED BY			



EXPLANATION

Boring Location

Notes:
1. All locations and dimensions are approximate.
2. Base map modified from map provided by Caltrans.

APPROXIMATE SCALE

0 40 80 Meters

FIGURE 2

BORING LOCATIONS

580 Soundwall Investigation
Alameda County, California

IT CORPORATION
A Member of the IT Group

580 soundwall rpt fig 2.dwg

APPENDIX A
PERMITS

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120

Permit No.	0401-NSV-2675
Dist/Co/Rte/PM	04-Ala-580 10.3/10.5
Date	November 1, 2001
Fee Paid	$
Deposit	$
Performance Bond Amount (1)	
Payment Bond Amount (2)	
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (*Check one*):

☒ Your application of October 23, 2001

☐ Utility Notice No. _____ of _____

☐ Agreement No. _____ of _____

☐ R/W Contract No. _____ of _____

TO: **IT Corporation**
1326 North Market Boulevard
Sacramento, CA 94550

Attn: **Don Bransford**
Phone: (916) 928-3300

, **PERMITTEE**

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

Determine source and extent of hydrocarbon contamination in soil and groundwater in connection with soundwall construction project on State Highway 04-Ala-580, Post Mile 10.3/10.5, in the City of Livermore.

Seven 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 E. Nail, 1910 Olympic Blvd. #151, Walnut Creek, 94596, 925-926-6120, weekdays, between 7:30 AM and 4:00 PM.

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

All personnel shall wear hard hats and lime green reflective vests, shirts or jackets as appropriate.

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

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Previsions
☐ Yes	☒ No	A Cal-OSHA permit required prior to beginning work: # _____

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

☐ Yes	☒ No	Review
☒ Yes	☐ No	Inspection
☒ Yes	---------	Field Work

(If any Caltrans effort expended)

☐ Yes ☒ 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 May 31, 2002

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:

RANDELL H. IWASAKI, Acting District Director

BY:

S. S. NOZZARI, District Permit Engineer

The location of the soil borings shall be reviewed and approved by State Representative.

Certain details of work authorized hereby are shown on permittee's plans submitted with request for permit on Caltrans Project No. 04-283900-WS and contract No. 43A0078.

Permittee shall furnish, place and maintain required signs, safety equipment, and traffic control and warning devices in accordance with the Manual of Traffic Controls published by the Department of Transportation.

Any damage to existing State facilities shall be repaired or replaced in kind by the permittee at permittee's expense.

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.

Contractor shall verify where all utilities are located prior to drilling.

Traffic control is authorized only between 9:00 A.M. and 3:00 P.M., Monday through Friday, holidays excluded.

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

Boring holes shall be backfilled as directed by the State Representatives.

The permittee shall be responsible for any contaminated material and/ or groundwater which is excavated. The pemittee shall also comply with the rules and regulations which may apply for the containment, disposal and/ or clean-up of any contaminated material and/ or groundwater which is excavated.

If an accident or other incident (related to or not related to the permitted activity) occurs within, or close to the permitted activity, the permittee shall immediately stop work and remove traffic controls from the highway unless public health, welfare Amid safety is endangered by unfinished work. Only traffic control to protect open excavations may remain in place. After free traffic flow is restored, work in accordance with the conditions of the permit may be resumed.

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

OCATION OF PROJECT I 580 Westbound (KP 16.5 to 16.9) w/in CT right-of-way EAST of 1st St. and West of Vasco Rd.

LIENT
Name Caltrans
Address P.O. Box 23660 Voice (916) 565-4341
ity Oakland Zip 94623-0660

APPLICANT
ame IT Corp. (Nick LABEDZKI)
Fax (916) 928-3341
Address 1326 N. Market Blvd Voice (916) 565-4346
ity Sacramento Zip 95834

TYPE OF PROJECT

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

ROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
able ___ Other ___

DRILLER'S LICENSE NO. 554979 West Haz Mat

ELL PROJECTS
Drill Hole Diameter 6 in. Maximum
Casing Diameter 2" in. Depth 25 ft.
Surface Seal Depth — ft. Number 10

GEOTECHNICAL PROJECTS
Number of Borings — Maximum
Hole Diameter — in. Depth — ft.

STIMATED STARTING DATE 11/5/01
STIMATED COMPLETION DATE 11/06/01

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

APPLICANT'S GNATURE [signature] Date 10/29/01

FOR OFFICE USE

PERMIT NUMBER 21197
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

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

C. 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.

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

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 10/30/01
Wyman Hong

91992

APPENDIX B
ESTIMATED UNDERGROUND UTILITY LOCATIONS

Easting	Northing	Elevation	Comment	Point_ID
500972.284	134496.921	127.901	B10A	2
500936.554	134477.848	127.147	CALLBOX/AL580103	3
500869.036	134443.726	127.483	B7A	4
500832.488	134425	127.906	B6A	5
500749.766	134385.356	128.11	SIGN/1STSTREET	7
500750.385	134383.148	126.926	BOX/ELECTRIC/25X16IN	8
500693.937	134361.168	127.215	LIGHT/ID10361/METAL	9
500643.824	134339.945	127.314	LIGHT/ID10381/METAL	10
500593.595	134323.537	126.609	LIGHT/ID10401/METAL	11
500442.084	134285.827	127.313	INLET/CONC/53X28IN	12
500975.936	134505.536	128.165	VENT/GAS/2FTNORTH	20
500983.863	134509.544	128.167	VENT/GAS/2.5FTNORTH	21
500992.193	134513.713	128.485	EEOW	22
500632.363	134342.11	126.992	WEOW	26
500635.476	134340.087	126.438	MH/PBELL	27
500941.108	134479.517	128.208	B9A	28
500900.312	134463.606	127.611	B8	29
500868.936	134443.615	128.11	B7	30
500832.559	134424.824	127.764	B6A	31
500797.288	134408.179	126.936	B5	32
500775.999	134396.967	127.011	B4A	33
500727.98	134373.19	127.334	B3A	41
500689.292	134356.765	126.986	B2A	42
500654.076	134341.053	126.816	B1A	45
500698.845	134369.937	126.265	FENCE	47
500717.415	134378.415	126.662	FENCE	48
500714.883	134372.411	125.852	OUT/CONC	49

Position ID	Easting	Northing	Elevation	Comment	Line ID
1	500974	134494.4	127.819	GAS	1
2	500974	134494.5	127.772	GAS	1
3	500974.1	134494.4	127.881	GAS	1
4	500974.1	134494.5	127.749	GAS	1
5	500974	134494.5	127.845	GAS	1
6	500974	134494.4	128.037	GAS	1
7	500974.1	134494.4	127.904	GAS	1
8	500974.1	134494.4	127.817	GAS	1
9	500974	134494.4	127.931	GAS	1
10	500974	134494.4	128.071	GAS	1
11	500974.4	134495	127.948	GAS	1
12	500974.5	134496.3	128.02	GAS	1
13	500974.6	134496.4	127.981	GAS	1
14	500974.7	134497	128.008	GAS	1
15	500975.1	134498.3	127.751	GAS	1
16	500975.2	134498.7	128.079	GAS	1
17	500975.2	134498.8	127.867	GAS	1
18	500975.2	134498.7	127.973	GAS	1
1	500767.7	134393.7	127.888	GUARDRAIL	6
2	500767.7	134393.7	127.928	GUARDRAIL	6
3	500767.7	134393.6	128.006	GUARDRAIL	6
4	500767.7	134393.7	128.161	GUARDRAIL	6
5	500767.7	134393.8	127.944	GUARDRAIL	6
6	500767.7	134393.7	128.184	GUARDRAIL	6
7	500767.7	134393.7	128.14	GUARDRAIL	6
8	500767.7	134393.8	127.997	GUARDRAIL	6
9	500767.7	134393.7	128.052	GUARDRAIL	6
10	500766.7	134393.1	128.392	GUARDRAIL	6
11	500764.7	134391.5	128.209	GUARDRAIL	6
12	500763.8	134390.9	128.222	GUARDRAIL	6
13	500763.9	134390.9	128.128	GUARDRAIL	6
14	500763.8	134391	128.272	GUARDRAIL	6
15	500762.7	134390.3	128.236	GUARDRAIL	6
16	500760	134388.6	128.092	GUARDRAIL	6

17	500757.2	134387.1	128.046	GUARDRAIL	6
18	500754.4	134385.6	128.281	GUARDRAIL	6
19	500751.5	134384.5	128.375	GUARDRAIL	6
20	500749.1	134382.9	128.451	GUARDRAIL	6
21	500747.8	134382.3	128.667	GUARDRAIL	6
22	500747.7	134382.3	128.503	GUARDRAIL	6
23	500747.8	134382.4	128.42	GUARDRAIL	6
24	500747.8	134382.4	128.395	GUARDRAIL	6
1	500448.2	134289	126.386	DITCH/CONC	13
2	500448.2	134289	126.424	DITCH/CONC	13
3	500448.2	134289	126.454	DITCH/CONC	13
4	500448.3	134289	126.436	DITCH/CONC	13
5	500448.3	134288.9	126.486	DITCH/CONC	13
6	500448.3	134288.8	126.39	DITCH/CONC	13
7	500448.3	134288.9	126.587	DITCH/CONC	13
8	500448.3	134288.9	126.755	DITCH/CONC	13
9	500448.3	134288.9	126.742	DITCH/CONC	13
10	500448.2	134288.9	126.765	DITCH/CONC	13
11	500449.3	134289.1	126.524	DITCH/CONC	13
12	500451.8	134289.2	126.547	DITCH/CONC	13
13	500452.7	134289.3	126.555	DITCH/CONC	13
14	500452.8	134289.3	126.584	DITCH/CONC	13
15	500452.6	134289.4	126.534	DITCH/CONC	13
16	500454.4	134289.3	126.728	DITCH/CONC	13
17	500457.2	134289	126.462	DITCH/CONC	13
18	500459.5	134289.3	126.497	DITCH/CONC	13

19	500462.4	134289.1	126.342	DITCH/CONC	13
20	500465.4	134289.2	126.487	DITCH/CONC	13
21	500468.4	134289.8	126.497	DITCH/CONC	13
22	500471.4	134289.8	126.518	DITCH/CONC	13
23	500474.2	134290.2	126.579	DITCH/CONC	13
24	500476.8	134290.8	126.57	DITCH/CONC	13
25	500479.1	134290.9	126.235	DITCH/CONC	13
26	500480.1	134291	126.451	DITCH/CONC	13
27	500480.1	134290.9	126.468	DITCH/CONC	13
28	500481.1	134291	126.524	DITCH/CONC	13
29	500483.8	134291.6	126.274	DITCH/CONC	13
30	500486.4	134292.5	126.252	DITCH/CONC	13
31	500487.9	134292.6	126.501	DITCH/CONC	13
1	500520	134299.7	126.559	DITCH/CONC	14
2	500522.2	134300.1	126.471	DITCH/CONC	14
3	500526.6	134301.3	126.462	DITCH/CONC	14
4	500531.4	134302.5	126.487	DITCH/CONC	14
5	500535.8	134304	126.462	DITCH/CONC	14
6	500540.1	134305.3	126.447	DITCH/CONC	14
7	500544.4	134307	126.313	DITCH/CONC	14
8	500548.7	134308.4	126.352	DITCH/CONC	14
9	500552.9	134310	126.304	DITCH/CONC	14
10	500557.1	134311.7	126.167	DITCH/CONC	14
11	500561.3	134313.4	126.225	DITCH/CONC	14
12	500565.3	134315	126.092	DITCH/CONC	14
13	500569	134316.3	126.337	DITCH/CONC	14

14	500573.1	134317.9	126.294	DITCH/CONC	14
15	500577.1	134319.3	126.365	DITCH/CONC	14
16	500580.9	134320.9	126.294	DITCH/CONC	14
17	500584.8	134322.2	126.079	DITCH/CONC	14
18	500588.1	134323.3	126.501	DITCH/CONC	14
19	500591.7	134324.5	126.53	DITCH/CONC	14
20	500595.4	134325.9	126.351	DITCH/CONC	14
21	500599.3	134327.3	126.327	DITCH/CONC	14
22	500602.1	134328.4	126.266	DITCH/CONC	14
23	500603.6	134328.6	126.278	DITCH/CONC	14
24	500607.6	134329.8	126.488	DITCH/CONC	14
25	500611.7	134330.8	126.412	DITCH/CONC	14
26	500615.4	134332	126.274	DITCH/CONC	14
27	500619.4	134332.8	126.325	DITCH/CONC	14
28	500623.3	134333.9	126.334	DITCH/CONC	14
29	500627.3	134335.1	126.324	DITCH/CONC	14
30	500631.2	134336.3	126.33	DITCH/CONC	14
31	500635.2	134337.9	126.14	DITCH/CONC	14
32	500639.4	134339.6	126.297	DITCH/CONC	14
33	500643.4	134341.4	126.201	DITCH/CONC	14
34	500647.7	134343.5	126.197	DITCH/CONC	14
35	500652.1	134345.3	126.276	DITCH/CONC	14
36	500656.1	134347.2	126.132	DITCH/CONC	14
37	500660.6	134349.1	126.098	DITCH/CONC	14
38	500665	134351	126.158	DITCH/CONC	14
39	500669.3	134352.9	126.17	DITCH/CONC	14

40	500673.8	134354.4	126.316	DITCH/CONC	14
41	500678.2	134356.2	126.168	DITCH/CONC	14
42	500682.6	134358.2	126.445	DITCH/CONC	14
43	500686.9	134360.3	126.496	DITCH/CONC	14
44	500691.1	134362.5	126.341	DITCH/CONC	14
45	500695.3	134364.7	126.311	DITCH/CONC	14
46	500699.5	134366.9	126.138	DITCH/CONC	14
47	500703.6	134369.2	126.264	DITCH/CONC	14
48	500707.8	134370.9	126.294	DITCH/CONC	14
49	500712.1	134372.2	126.696	DITCH/CONC	14
50	500714.6	134373.1	126.299	DITCH/CONC	14
51	500714.6	134373.2	126.236	DITCH/CONC	14
52	500717.6	134374	126.197	DITCH/CONC	14
53	500721.8	134375.8	126.316	DITCH/CONC	14
54	500726	134377.9	126.328	DITCH/CONC	14
55	500730.1	134379.7	126.233	DITCH/CONC	14
56	500734.3	134381.5	126.363	DITCH/CONC	14
57	500738.6	134383.3	126.253	DITCH/CONC	14
58	500742.9	134385.2	126.42	DITCH/CONC	14
59	500747.3	134387.1	126.451	DITCH/CONC	14
60	500751.7	134389.1	126.476	DITCH/CONC	14
61	500755.9	134391	126.476	DITCH/CONC	14
62	500760	134392.9	126.526	DITCH/CONC	14
63	500764	134394.6	126.552	DITCH/CONC	14
64	500767.7	134396.2	126.595	DITCH/CONC	14
65	500771.1	134397.7	126.612	DITCH/CONC	14

66	500775	134399.7	126.512	DITCH/CONC	14
67	500778.4	134401.5	126.523	DITCH/CONC	14
68	500779	134401.5	126.56	DITCH/CONC	14
1	500788.1	134405.9	126.552	DITCH/CONC	15
2	500789.8	134406.4	126.452	DITCH/CONC	15
3	500793.4	134408.4	126.38	DITCH/CONC	15
4	500797.3	134410.2	126.432	DITCH/CONC	15
5	500801.3	134412.1	126.572	DITCH/CONC	15
6	500804.8	134414	126.495	DITCH/CONC	15
7	500808.5	134415.9	126.685	DITCH/CONC	15
8	500812.1	134417.9	126.621	DITCH/CONC	15
9	500815.2	134419.5	126.575	DITCH/CONC	15
10	500817.7	134421	126.685	DITCH/CONC	15
11	500820	134422.4	126.656	DITCH/CONC	15
1	500830.7	134427.7	126.835	DITCH/SOIL	16
2	500830.7	134427.7	126.775	DITCH/SOIL	16
3	500830.7	134427.6	126.789	DITCH/SOIL	16
4	500830.7	134427.6	126.89	DITCH/SOIL	16
5	500830.7	134427.5	126.965	DITCH/SOIL	16
6	500830.7	134427.6	126.896	DITCH/SOIL	16
7	500830.8	134427.8	126.768	DITCH/SOIL	16
8	500834.4	134429.4	126.874	DITCH/SOIL	16
9	500838.6	134431.7	126.912	DITCH/SOIL	16
10	500842.9	134433.8	126.852	DITCH/SOIL	16
11	500847.2	134436.2	126.864	DITCH/SOIL	16
12	500851.2	134438	127.046	DITCH/SOIL	16

13	500855.3	134440.3	126.959	DITCH/SOIL	16
14	500859.1	134442.1	127.032	DITCH/SOIL	16
15	500863.1	134444.5	127.04	DITCH/SOIL	16
16	500867.3	134446.8	126.935	DITCH/SOIL	16
17	500871.4	134448.5	127.521	DITCH/SOIL	16
18	500875.6	134450.9	127.362	DITCH/SOIL	16
19	500879.8	134453	127.341	DITCH/SOIL	16
20	500883.9	134455.3	127.217	DITCH/SOIL	16
21	500887.7	134457.2	127.359	DITCH/SOIL	16
22	500890.5	134458.6	127.346	DITCH/SOIL	16
23	500893.4	134460.3	127.251	DITCH/SOIL	16
24	500895.9	134461.7	127.381	DITCH/SOIL	16
25	500899.2	134463.4	126.981	DITCH/SOIL	16
26	500902.9	134465.3	126.919	DITCH/SOIL	16
27	500906.7	134467	126.923	DITCH/SOIL	16
28	500910.1	134468.9	126.871	DITCH/SOIL	16
29	500913.4	134470.5	126.813	DITCH/SOIL	16
30	500916.3	134472.2	126.921	DITCH/SOIL	16
31	500917.4	134472.7	126.946	DITCH/SOIL	16
1	501018.1	134524.2	127.675	DITCH/SOIL	17
2	501017.9	134524.1	127.598	DITCH/SOIL	17
3	501014.8	134522.7	127.702	DITCH/SOIL	17
4	501011.9	134521.2	127.517	DITCH/SOIL	17
5	501008.5	134519.7	127.596	DITCH/SOIL	17
6	501005.5	134518	127.729	DITCH/SOIL	17
1	501000.8	134515.7	127.728	DITCH/SOIL	18

2	501000.4	134515.4	127.805	DITCH/SOIL	18
3	500997.2	134514	127.637	DITCH/SOIL	18
4	500994	134512.1	127.52	DITCH/SOIL	18
5	500990.4	134510.3	127.653	DITCH/SOIL	18
6	500987.1	134508.5	127.645	DITCH/SOIL	18
7	500985.3	134507.9	127.55	DITCH/SOIL	18
8	500985.3	134507.8	127.557	DITCH/SOIL	18
1	500977.3	134503.5	127.478	DITCH/SOIL	19
2	500976.9	134503.4	127.562	DITCH/SOIL	19
3	500974.1	134502	127.591	DITCH/SOIL	19
4	500971	134500.6	127.584	DITCH/SOIL	19
5	500967.9	134498.8	127.505	DITCH/SOIL	19
6	500964.9	134497.5	127.555	DITCH/SOIL	19
7	500964	134497	127.549	DITCH/SOIL	19
1	500983.2	134497.5	128.579	GAS	23
2	500983.2	134497.5	128.546	GAS	23
3	500983.1	134497.5	128.599	GAS	23
4	500983.5	134498.3	128.436	GAS	23
5	500983.5	134500.6	128.524	GAS	23
6	500983.5	134502	128.377	GAS	23
7	500983.5	134502	128.294	GAS	23
8	500983.5	134502	128.402	GAS	23
9	500983.4	134502	128.492	GAS	23
1	500995.9	134506	128.626	EP	24
2	500995.8	134506.1	128.668	EP	24
3	500995.9	134506.1	128.619	EP	24
4	500995.2	134505.4	128.626	EP	24
5	500991.6	134503.6	128.569	EP	24
6	500987.2	134501.2	128.473	EP	24
7	500982.5	134498.8	128.507	EP	24
8	500977.8	134496.4	128.495	EP	24
9	500973.6	134494	128.418	EP	24
10	500969.2	134491.9	128.344	EP	24
11	500964.8	134489.8	128.389	EP	24
12	500960.4	134487.5	128.384	EP	24
13	500956	134485.3	128.403	EP	24
14	500951.5	134482.9	128.325	EP	24
15	500947.2	134480.8	128.354	EP	24

16	500943.1	134478.6	128.297	EP	24
17	500938.7	134476.6	128.293	EP	24
18	500934.5	134474.2	128.237	EP	24
19	500930.7	134472.3	128.131	EP	24
20	500930.2	134471.8	128.236	EP	24
21	500927.6	134470.4	128.199	EP	24
22	500924.5	134468.9	128.237	EP	24
23	500920.6	134467	128.093	EP	24
24	500916.4	134464.8	128.217	EP	24
25	500912	134462.6	128.057	EP	24
26	500907.6	134460.2	128.136	EP	24
27	500903.3	134458.2	128.123	EP	24
28	500899.1	134456.1	128.075	EP	24
29	500894.9	134453.9	128.099	EP	24
30	500890.7	134451.7	128.134	EP	24
31	500886.5	134449.5	128.145	EP	24
32	500881.9	134447.3	128.127	EP	24
33	500877.4	134444.9	128.08	EP	24
34	500873	134442.8	128.092	EP	24
35	500868.4	134440.8	128.039	EP	24
36	500863.8	134438.5	127.962	EP	24
37	500859.2	134436	127.934	EP	24
38	500854.6	134433.6	127.956	EP	24
39	500850.1	134431.3	127.959	EP	24
40	500845.8	134429.1	127.835	EP	24
41	500841.1	134426.8	127.951	EP	24
42	500836.5	134424.3	127.915	EP	24
43	500832.1	134421.9	127.86	EP	24
44	500828.5	134420.1	127.947	EP	24
45	500828.3	134420.1	127.989	EP	24
1	500825.5	134419.5	127.99	EP	25
2	500825.5	134419.4	127.959	EP	25
3	500822.5	134417.6	127.96	EP	25
4	500818.2	134415.1	128.025	EP	25
5	500813.8	134412.9	127.936	EP	25
6	500809.2	134410.6	127.934	EP	25
7	500805	134408	127.563	EP	25
8	500800.6	134405.6	127.741	EP	25
9	500796	134403.3	127.724	EP	25
10	500791.4	134400.9	127.619	EP	25
11	500786.8	134398.6	127.665	EP	25
12	500782	134396.1	127.493	EP	25
13	500777.2	134393.7	127.56	EP	25
14	500772.4	134391.3	127.635	EP	25
15	500767.8	134389	127.595	EP	25
16	500763.4	134386.5	127.637	EP	25
17	500759	134384.1	127.742	EP	25
18	500754.5	134381.9	127.617	EP	25
19	500749.8	134379.5	127.618	EP	25
20	500745.2	134377.3	127.693	EP	25
21	500740.3	134374.9	127.352	EP	25
22	500735.1	134372.9	127.495	EP	25

23	500730.6	134370.9	127.678	EP	25
24	500726.3	134369.1	127.529	EP	25
25	500721.6	134367	127.626	EP	25
26	500716.5	134364.7	127.541	EP	25
27	500711.5	134362.8	127.508	EP	25
28	500706.8	134360.8	127.524	EP	25
29	500702.1	134359	127.478	EP	25
30	500697.4	134357.1	127.559	EP	25
31	500692.7	134355.2	127.702	EP	25
32	500687.9	134353.3	127.492	EP	25
33	500683.3	134351.2	127.574	EP	25
34	500678.5	134349.1	127.519	EP	25
35	500673.8	134347.1	127.394	EP	25
36	500669.2	134345	127.308	EP	25
37	500664.6	134342.8	127.387	EP	25
38	500660	134340.7	127.454	EP	25
39	500655.5	134338.8	127.436	EP	25
40	500651	134337.1	127.349	EP	25
41	500646.7	134335.7	127.401	EP	25
42	500642.8	134334.3	127.357	EP	25
43	500640	134333.4	127.107	EP	25
44	500637.7	134332.6	127.155	EP	25
45	500636.9	134332.3	127.173	EP	25
46	500636.3	134332.1	127.241	EP	25
47	500634.4	134331.4	127.253	EP	25
48	500633.9	134331.3	127.185	EP	25
1	500725.8	134369.7	127.75	ELECLINE	34
2	500725.8	134369.7	127.576	ELECLINE	34
3	500725.9	134369.6	127.664	ELECLINE	34
4	500725.8	134369.6	127.829	ELECLINE	34
5	500725.8	134369.6	127.643	ELECLINE	34
6	500725.8	134369.7	127.612	ELECLINE	34
7	500725.8	134369.7	127.681	ELECLINE	34
8	500725.8	134369.8	127.735	ELECLINE	34
9	500727.9	134370.8	127.811	ELECLINE	34
10	500730	134372	127.966	ELECLINE	34
11	500732.5	134373.2	127.696	ELECLINE	34
12	500732.8	134373.5	127.634	ELECLINE	34
13	500732.8	134373.5	127.638	ELECLINE	34

1	500871.5	134442.5	127.167	LINE	35
2	500871.5	134442.4	127.177	LINE	35
3	500871.6	134442.5	127.359	LINE	35
4	500871.5	134442.5	127.567	LINE	35
5	500871.6	134442.5	127.613	LINE	35
6	500871.1	134443.5	127.458	LINE	35
7	500870.7	134444.3	127.215	LINE	35
8	500870.6	134444.5	127.48	LINE	35
9	500870.6	134444.5	127.33	LINE	35
1	500937.2	134475.1	127.159	ASPH	36
2	500937.2	134475.1	127.25	ASPH	36
3	500937.2	134475	127.09	ASPH	36
4	500937.3	134475.1	127.208	ASPH	36
5	500937.2	134475	127.025	ASPH	36
6	500937.3	134475.1	127.017	ASPH	36
7	500936.9	134475.9	127.268	ASPH	36
8	500936.5	134477.1	127.29	ASPH	36
9	500936.4	134477.1	127.408	ASPH	36
10	500936.4	134477	127.185	ASPH	36
11	500935	134476.4	127.136	ASPH	36
12	500934.8	134476.4	127.092	ASPH	36
13	500935	134476.2	127.181	ASPH	36
14	500935.6	134474.8	127.455	ASPH	36
15	500935.7	134474.7	127.237	ASPH	36
1	500935.2	134476	127.162	CONC	37
2	500935.2	134476.1	127.312	CONC	37
3	500935.2	134476	127.152	CONC	37
4	500935.1	134476.3	127.379	CONC	37
5	500934.7	134477.1	127.105	CONC	37
6	500934.6	134477.1	127.256	CONC	37
7	500935.3	134477.8	127.306	CONC	37
8	500935.4	134477.9	127.152	CONC	37
9	500935.5	134477.8	127.235	CONC	37
10	500936	134477	127.202	CONC	37
11	500936.1	134476.9	127.097	CONC	37
12	500936.1	134477	127.159	CONC	37
13	500936	134476.9	127.126	CONC	37
1	500935.7	134478.6	127.015	LINE	38
2	500935.7	134478.6	127.083	LINE	38
3	500935.6	134478.7	127.308	LINE	38
4	500936.4	134479	127.237	LINE	38
5	500937.8	134479.9	127.141	LINE	38
6	500937.9	134480.1	127.157	LINE	38
1	500938.7	134478.8	127.358	LINE	39
2	500938.7	134478.8	127.103	LINE	39
3	500938.7	134478.8	127.142	LINE	39
4	500938.7	134478.8	127.208	LINE	39
5	500938.7	134478.8	127.311	LINE	39
6	500938.7	134478.9	127.241	LINE	39
7	500940.2	134479.7	127.193	LINE	39
8	500941.7	134480.7	127.286	LINE	39
9	500941.9	134480.7	127.272	LINE	39

10	500941.8	134480.8	127.202	LINE	39
11	500941.8	134480.8	127.18	LINE	39
1	500941	134478.2	127.402	LINE	40
2	500941	134478.2	127.383	LINE	40
3	500941	134478.3	127.486	LINE	40
4	500940.6	134479.1	127.229	LINE	40
5	500940.3	134479.5	127.306	LINE	40
6	500940.3	134479.5	127.466	LINE	40
7	500940.3	134479.5	127.189	LINE	40
1	500691.2	134356.9	127.058	LINE	43
2	500691.2	134356.9	127.073	LINE	43
3	500690.6	134356.6	127.021	LINE	43
4	500689	134355.7	127.211	LINE	43
5	500687.8	134355.1	127.016	LINE	43
1	500687.8	134353.4	126.937	LINE	44
2	500687.9	134353.3	127.152	LINE	44
3	500689.7	134354.1	127.118	LINE	44
4	500691.8	134355	127.068	LINE	44
5	500693.5	134355.6	127.069	LINE	44
6	500693.6	134355.7	127.085	LINE	44
1	500652.9	134342.3	126.697	LINE	46
2	500652.8	134342.3	126.789	LINE	46
3	500653.5	134342.5	126.623	LINE	46
4	500653.7	134342.7	126.64	LINE	46
5	500653.7	134342.8	126.646	LINE	46

APPENDIX C
DRILLING AND SAMPLING PROCEDURES, AND BORING LOGS

Appendix C
Drilling and Sampling Procedures

The procedures that were used for drilling the borings and collecting soil samples are presented below.

- General safety procedures were reviewed with the field investigation staff and subcontractors prior to commencement of field activities.
- A drilling permit was obtained from Alameda County Public Works Agency.

Drilling Procedures

- Ten borings were advanced to a depth of up to 7.6 meters (25 feet) below ground surface (BGS). Borings were drilled using hollow stem auger equipment. An additional five borings were advanced using hand auger equipment to depths of 0.15 to 0.3 meters (0.5 to 1 foot) BGS.
- Augers and drilling equipment were washed prior to drilling each boring.
- Soil descriptions, sample type and depth, and related drilling information were recorded on a boring log under the supervision of a State-registered geologist.
- If borings were terminated before reaching groundwater, the borings were backfilled with bentonite-cement grout from the bottom of the boring to ground surface.

Soil Sampling Procedures

- The drilling and sampling equipment was washed in a detergent rinse, two clear water rinses, and a final deionized/distilled water rinse prior to drilling. The equipment was air dried or dried using paper towels.
- Soil samples were collected in six-inch long, stainless steel or brass sample tubes inserted inside the samplers. The sample tubes were to be either pre-washed by the supplier or washed using a bristle brush with a detergent rinse followed by two clear water rinses and a final deionized/distilled water rinse. The sample tubes were dried before use.
- Samplers were driven using an approximate 140-pound hammer dropping approximately 30 inches. The number of blows (blow count) required to advance the sampler 12 inches was recorded on the boring log.
- Following retrieval of the sampler, the first (lowest) sample tube was removed from the sampler, the ends covered with Teflon film, and capped with PVC end caps.
- Soil in the next sample tube (where available) was used to describe the lithology and measure volatile organic compound (VOC) concentrations. Approximately half of the

sample from the sample tube was removed and placed in a resealable plastic bag. The plastic bag was set aside to allow VOCs, if present, to accumulate in the headspace above the sampled soil. The headspace was then sampled using a portable photo-ionization detector (PID). The PID probe was inserted through a hole made in the plastic bag and the highest measurement encountered recorded on the boring log.

- Soil and wastewater generated during the field activities was contained in 208-liter (55-gallon) United Nations approved drums.

Grab Groundwater Sampling Procedures

- Grab groundwater samples were collected from temporary well casings inserted into three of the four borings. A grab groundwater samples was collected from the hollow-stem auger in boring B-10. The well casing consisted of 2.5-centimeter (1-inch) diameter, Schedule 40, flush-threaded, 0.05-centimeter (0.020-inch), machine-slotted polyvinyl chloride (PVC) well screen.
- Grab groundwater samples were collected using new disposable polyethylene bottom-valve bailers. New nylon rope was used to lower any bailers into the wells.
- Grab groundwater samples were placed into laboratory-supplied containers containing preservatives, where appropriate.
- Groundwater was discharged from a bailer via a bottom emptying device. Discharge to the containers was conducted in a manner to minimize bubbling and agitation of the liquid. The container was filled to the top forming a meniscus to eliminate the headspace.
- Following all sampling activities, the borings were backfilled with a 20:1 cement:bentonite grout.

Sample Retention and Analysis Procedures

- Chain of custody procedures, including the use of chain of custody forms, were used to document sample handling and transport from collection to delivery to the laboratory for analysis.
- The samples were placed on ice in an insulated chests overnight in the custody of an IT employee. The samples were picked up within approximately 24 hours of collection by a courier supplied by the laboratory, or were delivered to the laboratory by IT personnel within approximately 24 hours of collection. The samples were transported to the laboratory in a motor vehicle.
- Laboratory quality assurance/quality control procedures are summarized below:
  - Method Blank Frequency = one per 20 samples
  - Matrix Spike/Matrix Spike Duplicate = one per 20 samples
  - Laboratory Control Sample/Laboratory Control Sample Duplicate = one per 20 samples

INTERNATIONAL TECHNOLOGY CORPORATION

B1A

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA		
BORING NUMBER: B-1A	COORDINATES:	DATE: 11/7/01	
ELEVATION:	GWL: Depth 9' Date/Time 11/7/01	DATE STARTED: "	
ENGINEER/GEOLOGIST: NICK LABEDZKI	Depth — Date/Time —	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) CME 75		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (6")	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		17/24/24		Silty Sand	SM			
2		21/29/32						
3								@ 2" Saturated zone
4		17/19/19						
5		5/8/9		Silty clay, slightly plast., med-stiff, 10YR 4/2	CL			5
6								
7								
8								
9								▼ H_2O @ 9'
10		24/50 for 5"		Silty Sand, w/some gravels, slightly plastic, well graded, dense, wet	SM			Possible AB 10
11								
12								
13								
14								
15		5/7/9		Silty clay, very plastic, soft, wet, light brown, w/trace fine sand	CH			15
16								
17								
18								
19								
20		7/9/16		Same as above				20
21								
22								
23								
24								
25		15/22/23		Silty Sand / Clayey silt, slightly plast., well graded, med. dense wet, light brown	SM/ML			25
26								TD = 25'
27								
28								
29								
30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: CME-75 160 lb hammer 32" stroke

Driller: Scott

243B-3-86

INTERNATIONAL TECHNOLOGY CORPORATION

B-2A

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA	
BORING NUMBER: B-2A	COORDINATES:	DATE: 11/7/01
ELEVATION:	GWL: Depth ~10' Date/Time	DATE STARTED: 11/7/01
ENGINEER/GEOLOGIST: NICK LABEDZKI (W)	Depth Date/Time	DATE COMPLETED: 11/7/01
DRILLING METHODS: HSA (8" OD Augers) CME 75		PAGE 1 OF 1

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		7/9/11						
2		13/15/19			CL			
3		14/15/17						
4				Silty Clay, slightly plast., stiff, brown, dry				
5		15/17/20						5
6								
7					CL			
8								
9								
10		16/18/20		Same as above, wet				▽ GW @ 10' 10
11								
12					CL			
13								
14								
15		17/19/23		Same as above, wet				15
16								
17								
18								
19								TD = 15'
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: CME-75 160 lb hammer 30" stroke

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-3A

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA		
BORING NUMBER: B-3A	COORDINATES:	DATE: 11/7/01	
ELEVATION:	GWL: Depth 9' Date/Time	DATE STARTED: 11/7/01	
ENGINEER/GEOLOGIST: NICK LABEDZKI (N)	Depth Date/Time	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) CME-75		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		9/11/15						
2		12/14/16						
3		14/16/19			CL			
4				Silty Clay, slightly plast. dry, 10YR 4/2, med. stiff.				
5		13/14/18						5
6								
7								
8								
9								▽ H_2O 9'
10		17/18/20		Same as above, stiff dry	CL			10
11								
12								
13								
14								
15		16/18/21		Sandy Silty Clay, slightly plast., moist, 10YR 5/4	CL			15
16								
17								
18								
19								
20		16/18/23		Silty Clayey Sand, well graded w/trace coarse gravel soft, 10YR 5/4, wet	SM/SC			20
21								
22								
23								
24								
25		15/19/24		Sandy Silty Clay, soft wet	CL			25
26								
27								
28								TD = 25'
29								
30								

NOTES:

Drilling Contractor West HAZMAT

Drilling Equipment CME-75

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B 4

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Sound wall Caltrans Livermore CA	
BORING NUMBER: B-4	COORDINATES:	DATE: 11/6/01
ELEVATION:	GWL: Depth 10' Date/Time	DATE STARTED: "
ENGINEER/GEOLOGIST: NICK LABEDZKI (M)	Depth Date/Time	DATE COMPLETED: "
DRILLING METHODS: HSA (8" OD Augers) CME-75		PAGE 1 OF 1

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		13/14/20		Silty Clay, Slightly Plast. stiff to very stiff, dry 10YR 4/2	CL			2nd 18" No recovery on 15/16/19
2		15/16/19						
3		13/15/17						
4								
5		16/18/21						5
6								
7								
8								
9					CL			
10		14/19/24		Same as above, wet, 10YR 5/4				▽ H_2O @ 10' 10
11								
12								
13					CL			
14								
15		14/19/23		Same as above, wet 10YR 5/4				15
16								
17								
18				Silty clay, very plast., soft 10YR 5/4, wet	CH			
19								
20		17/19/23						20
21								TD = 20'
22								
23								
24								
25								
26								
27								
28								
29								
30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: CME-75

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-5A

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA		
BORING NUMBER: B-5A	COORDINATES:	DATE: 11/06/01	
ELEVATION:	GWL: Depth ≈ 10' Date/Time	DATE STARTED: "	
ENGINEER/GEOLOGIST: Nick Labedzki	Depth Date/Time	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) CME 75		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		14/15/24						
2		17/19/24						
3	*	19/23/26		Silty clay, slightly plas. med. stiff, 10YR 4/2, dry	CL			* No/poor recovery @ 3rd 18", drive again
4								
5		16/20/24						5
6				to dark yellowish brown	CL			
7								
8								
9								
10		16/20/22		Same, very stiff, dry 10YR 5/4 Pale yellowish Brown				▽ H_2O @ 10' 10
11								
12								
13					CL			
14								
15	GW1	19/23/25		Same, med. stiff, slight. plast., 10YR 6/2, moist				15
16								
17								
18								
19								
20		18/23/25		Same as above	CL			20
21								
22								
23								
24								
25		21/24/29		" " "	CL			
26								
27								TD = 25'
28								
29								
30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: CME-75

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

B-6

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Sound wall Caltrans Livermore/A		
BORING NUMBER: B-6	COORDINATES:		DATE: 11/6/01
ELEVATION:	GWL: Depth —	Date/Time —	DATE STARTED: 11/6/01
ENGINEER/GEOLOGIST: NICK LABEDZKI	Depth —	Date/Time —	DATE COMPLETED: "
DRILLING METHODS: HSA (8" OD Augers) CME-75			PAGE 1 OF 1

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY G (")	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		9/11/14		Silty clay, slightly plast., soft, 10YR 4/2, dark yellowish brown, dry	CL			
2		13/15/18						
3		11/19/22						
4								
5		15/17/19						5'
6								
7								
8				Silty clay, very plast. med. stiff, moist, 10YR 5/4 Pale Yellowish Brown	CH			
9								
10	GWI	18/23/25						No H_2O 10'
11								TD = 10'
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

NOTES:

Drilling Contractor West HAZMAT

Drilling Equipment CME-75

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-7

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA	
BORING NUMBER: B-7	COORDINATES:	DATE: 11/6/01
ELEVATION:	GWL: Depth 10' Date/Time —	DATE STARTED: "
ENGINEER/GEOLOGIST: NICK LABEDZKY	Depth — Date/Time —	DATE COMPLETED: "
DRILLING METHODS: HSA (8" OD Augers) CME-75		PAGE 1 OF 1

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	PID	7/19/21		Silty Clay, slight. plast., very stiff, 10YR 4/2 dark yellowish brown, dry				
2		16/19/24			CL			
3								
4		17/19/23						
5	0.1	17/22/28			CL			5
6								
7								
8								
9				Same as above, 10YR 6/2 pale yellowish brown, soft				
10	0.9	21/25/20						▽ H_2O @ 10'
11								
12								
13				Silty clay, very plast., soft., moist 10YR 6/2	CH			
14								
15	1.2	24/27/29						15.
16								
17								
18								
19				Same, wet, soft				
20	1.3	22/29/31			CH			20
21								
22								
23								
24				Same, very plastic, wet, soft 10YR 6/2				
25	0.9	23/26/34			CH			25
26								TD = 25'
27								
28								
29								
30								

NOTES:

Drilling Contractor West HAZMAT

Drilling Equipment CME-75

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-8

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA		
BORING NUMBER: B-8	COORDINATES:	DATE: 11/7/01	
ELEVATION:	GWL: Depth 10' Date/Time —	DATE STARTED: "	
ENGINEER/GEOLOGIST: NICK LABEDZKI	Depth Date/Time	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) LAR		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1–4				Silty Clay, very stiff, low plast, dry 10YR 5/4 moderate yellowish brown	CL			No recovery @ 2nd 18"
5	No recovery @ top 6"	23/50 for 4"						5
6–9				Silty Sand w/ clay, Sub rounded/angular, very loose, slightly plastic, moist to wet 10YR 5/4	SM			
10		28/50 for 6"						▽ H_2O @ 10'
11–12								TD = 10'
13–14								
15								15
16–19								in ditch
20								20
21–30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: LAR (Limited Access Rig)

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-9

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832664-0101	PROJECT NAME: I580 Sound wall Caltrans Livermore, CA		
BORING NUMBER: B-9	COORDINATES:	DATE: 11/5/01	
ELEVATION:	GWL: Depth 8' Date/Time —	DATE STARTED: "	
ENGINEER/GEOLOGIST: NICK LABEDZKI	Depth — Date/Time —	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) LAR		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (6")	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1		—		Silty clay w/fine sand, 10YR 5/4, yellowish brown, plastic (slightly)	CL			No blow counts for 3x18" only drove the 5' interval
2		—						
3		—						
4								
5		9/11/14						5'
6								
7								
8								▽ H2O @ 8'
9				Same, plast., soft, wet, 10YR5/4	CL/CH			
10		13/15/20						10'
11								
12								
13				Silty clay w/sand, very plastic, 10YR5/4	CH			
14								
15		15/17/19						15'
16								
17								
18								
19					CH			
20		14/16/19		Same, w/trace sand wet				20'
21								
22								
23								
24								
25		14/17/21			CH			25'
26				Same, w/trace gravel, wet				TD = 25' in ditch
27								
28								
29								
30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: LAR (Limited access rig)

Driller: Scott

INTERNATIONAL TECHNOLOGY CORPORATION

B-10

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 832661-0101	PROJECT NAME: I580 Soundwall Caltrans Livermore, CA		
BORING NUMBER: B-10	COORDINATES:	DATE: 11/5/01	
ELEVATION:	GWL: Depth 9' Date/Time —	DATE STARTED: "	
ENGINEER/GEOLOGIST: Nick Labedzki (N)	Depth — Date/Time —	DATE COMPLETED: "	
DRILLING METHODS: HSA (8" OD Augers) LAR		PAGE 1 OF 1	

DEPTH (FT)	SAMPLE TYPE & NO. / PID	BLOWS ON SAMPLER PER (6")	RECOVERY 6 (")	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1–4				Clayey silty / silty clay slightly plastic 10YR 4/2 dark yellowish brown	CL			No blows for 3x 18", drives begin @ 5'
5–6	1.2	8/11/13			CL			5'
7–9				* color change 10YR 5/4 Silty Clay				▽ H2O @ 9'
10–13	1.5	18/34/50 for 1"		silty sand / clayey sand, very loose, wet	SM-SC			10'
14–15	0.9	50 for 6"						No recovery @ 15'
16–21	0.8	3/4/5		Clayey silt w/ sand, very plastic, subrounded, very soft, wet 10YR 5/4	CH			20'
22–26	1.2	50 for 5"		Silty Clay w/ fine sand slightly plast., soft 10YR 5/4, wet	CL			25' TD = 25 Next to existing Fence
27–30								

NOTES:

Drilling Contractor: West HAZMAT

Drilling Equipment: LAR (Limited Access Rig)

Driller: Scott

APPENDIX D
ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14165 So.1 & GW Invest. #832661
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165001	**Received**	11/06/01
Sample ID	B-10-10	**Reported**	12/05/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	59.4 ug/kg	119 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165001	**Received**	11/06/01
Sample ID	B-10-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165001	**Received**	11/06/01
Sample ID	B-10-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165001	**Received**	11/06/01
Sample ID	B-10-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	59.9 ug/kg	120 %	(76 - 130)
Toluene d8	56.7 ug/kg	113 %	(88 - 118)
4-Bromofluorobenzene	56.2 ug/kg	112 %	(86 - 121)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165002	**Received**	11/06/01
Sample ID	B-9-10	**Reported**	12/05/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	65.5 ug/kg	131 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165002	**Received**	11/06/01
Sample ID	B-9-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165002	**Received**	11/06/01
Sample ID	B-9-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165002	**Received**	11/06/01
Sample ID	B-9-10	**Reported**	12/05/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	60.6 ug/kg	121 %	(76 - 130)
Toluene d8	58.8 ug/kg	118 %	(88 - 118)
4-Bromofluorobenzene	54.4 ug/kg	109 %	(86 - 121)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165003	**Received**	11/06/01
Sample ID	B-10	**Reported**	12/05/01
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/L	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/L	1:
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/L	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	62.2 ug/L	124 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165003	**Received**	11/06/01
Sample ID	B-10	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chloromethane	**11/09/01**	**11/09/01**	**14**	**2.0**	**ug/L**	**1:1**
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Acrolein	**11/09/01**	**11/09/01**	**42**	**2.0**	**ug/L**	**1:1**
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Acetone	**11/09/01**	**11/09/01**	**6.7**	**2.0**	**ug/L**	**1:1**
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Acrylonitrile	**11/09/01**	**11/09/01**	**4.5**	**2.0**	**ug/L**	**1:1**
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Vinyl acetate	**11/09/01**	**11/09/01**	**3.8**	**2.0**	**ug/L**	**1:1**
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	**11/09/01**	**11/09/01**	**85**	**2.0**	**ug/L**	**1:1**
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Benzene	**11/09/01**	**11/09/01**	**81**	**2.0**	**ug/L**	**1:1**
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165003	**Received**	11/06/01
Sample ID	B-10	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutic
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Ethylbenzene	**11/09/01**	**11/09/01**	**35**	**2.0**	**ug/L**	**1:1**
M+P-Xylene	**11/09/01**	**11/09/01**	**55**	**2.0**	**ug/L**	**1:1**
Bromoform	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
n-Propylbenzene	**11/09/01**	**11/09/01**	**4.5**	**2.0**	**ug/L**	**1:1**
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3,5-Trimethylbenzene	**11/09/01**	**11/09/01**	**5.4**	**2.0**	**ug/L**	**1:1**
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,4-Trimethylbenzene	**11/09/01**	**11/09/01**	**9.6**	**2.0**	**ug/L**	**1:1**
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165003	**Received**	11/06/01
Sample ID	B-10	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Naphthalene	**11/09/01**	**11/09/01**	**2.1**	**2.0**	**ug/L**	**1:1**
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	55.3 ug/L	111 %	(76 - 135)
Toluene d8	57.1 ug/L	114 %	(88 - 118)
4-Bromofluorobenzene	35.5 ug/L	71 %	(86 - 121)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165003	**Received**	11/06/01
Sample ID	B-10	**Reported**	12/05/01
Matrix	Water		

Metals, CAM16 - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Antimony	11/06/01	11/08/01	ND	0.060	mg/L	1:
Arsenic	11/06/01	11/08/01	ND	0.080	mg/L	1:
Barium	**11/06/01**	**11/08/01**	**0.091**	**0.020**	**mg/L**	**1:1**
Beryllium	11/06/01	11/08/01	ND	0.0030	mg/L	1:
Cadmium	11/06/01	11/08/01	ND	0.0050	mg/L	1:
Chromium	11/06/01	11/08/01	ND	0.010	mg/L	1:
Cobalt	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Copper	11/06/01	11/08/01	ND	0.020	mg/L	1:
Lead	11/06/01	11/08/01	ND	0.010	mg/L	1:
Molybdenum	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Nickel	11/06/01	11/08/01	ND	0.040	mg/L	1:
Selenium	11/06/01	11/08/01	ND	0.10	mg/L	1:
Silver	11/06/01	11/08/01	ND	0.010	mg/L	1:
Thallium	11/06/01	11/08/01	ND	0.10	mg/L	1:1
Vanadium	11/06/01	11/08/01	ND	0.050	mg/L	1:
Zinc	**11/06/01**	**11/08/01**	**0.073**	**0.015**	**mg/L**	**1:**

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Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165004	**Received**	11/06/01
Sample ID	Travel Blank	**Reported**	12/05/01
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/L	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	40.6 ug/L	81 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165004	**Received**	11/06/01
Sample ID	Travel Blank	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/L	1:
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Acrolein	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/L	1:
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/L	1:
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/L	1:
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/L	1:
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Chloroform	11/09/01	11/09/01	ND	2.0	ug/L	1:
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165004	**Received**	11/06/01
Sample ID	Travel Blank	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/L	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	So.1 & GW Invest. #832661
Workorder #	14165	**Sampled**	11/05/01
Laboratory ID	14165004	**Received**	11/06/01
Sample ID	Travel Blank	**Reported**	12/05/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/L	1:
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/L	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	58 ug/L	116 %	(76 - 135)
Toluene d8	57.3 ug/L	115 %	(88 - 118)
4-Bromofluorobenzene	61 ug/L	122 %	(86 - 121)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14165

Workorder ID So.1 & GW Invest. #832661

Parameter TPHdiesel
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14165001	B-10-10	ND	1.0	mg/Kg	11/05/01	11/13/01	Soil	1:1
14165002	B-9-10	ND	1.0	mg/Kg	11/05/01	11/13/01	Soil	1:1

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Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14165 **Workorder ID** So.1 & GW Invest. #832661

Parameter TPHmotor oil
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14165001	B-10-10	ND	50	mg/Kg	11/05/01	11/13/01	Soil	1:1
14165002	B-9-10	ND	50	mg/Kg	11/05/01	11/13/01	Soil	1:1

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Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14165

Workorder ID So.1 & GW Invest. #832661

Parameter TPHgas
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14165001	B-10-10	ND	1.0	mg/Kg	11/05/01	11/07/01	Soil	1:1
14165002	B-9-10	ND	1.0	mg/Kg	11/05/01	11/07/01	Soil	1:1

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Client ID IT Corporation
Workorder # 14165

Workorder ID So.1 & GW Invest. #832661

Parameter Mercury
Method EPA 7470A

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14165003	B-10	ND	0.00020	mg/L	11/05/01	11/07/01	Water	1:1

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Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14165 **Workorder ID** So.1 & GW Invest. #832661

Parameter pH
Method EPA 9040

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14165003	B-10	6.9	0.1	units	11/05/01		Water	1:1

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Sparger Technology, Inc.
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Mobile Laboratory Division
Scientific Division

Method Blank Report

Client ID IT Corporation
Workorder ID So.1 & GW Invest. #832661
Laboratory ID 34608
Sample ID MB for HBN 98134 [DIGV/1279]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Mercury	EPA 7470A	11/06/01	11/07/01	ND	0.00020	mg/L	1:1

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WORKORDER DATA SHEET
Nov 06, 2001 11:08

ID 14165 WO #14165 So.1 & GW Invest. #832661 STATUS WP
DESC A2C/R1-1 - Paul

CREATED	11/06/01 10:27	PO	QA	TYPE CM	ACODE REPORT_WO
CLIENT	IT Corp. IT Corporation				
PROFILE	110 Standard Standard w/o Discount				

WORKORDER SAMPLES

1 **14165001** 14165001 B-10-10

WP	TYPE SAMPLE	MATRIX	Soil
COLLECTED	11/05/01 00:00	DUE	11/20/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

2 **14165002** 14165002 B-9-10

WP	TYPE SAMPLE	MATRIX	Soil
COLLECTED	11/05/01 00:00	DUE	11/20/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

3 **14165003** 14165003 B-10

WP	TYPE SAMPLE	MATRIX	Water
COLLECTED	11/05/01 00:00	DUE	11/20/01 17:00

Analyses		Turndays
8260 WATR	8260B GCMS VOLATILES WATR	10
OXG/60W	8260B OXYGENATES WATR	10
9040	9040, pH, Water	10
CAM16WATR	6010B ELEMENTS CAM16 WATER	10

4 **14165004** 14165004 Travel Blank

WP	TYPE SAMPLE	MATRIX	Water
COLLECTED	11/05/01 00:00	DUE	11/20/01 17:00

Analyses		Turndays
8260 WATR	8260B GCMS VOLATILES WATR	10
OXG/60W	8260B OXYGENATES WATR	10

SPARGER TECHNOLOGY, INC. H2S/R1-1

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23738

Page 1 **of** 3

STAL Invoice Number: [redacted]

Company: IT Corp. Phone: (916) 565-4186

Project Manager: Don Bransford FAX: (916) 928-3341

Report Address: 1326 N. Market Blvd Sacramento, CA 95834

Billing Name & Address:

Project Name: Soil & GW Investigation

Project/Job#: 832661

Project Location: I580 Livermore, CA

P.O.#:

ANALYSIS REQUEST

REMARKS: only sample B-10-10 GW1 (Groundwater Interface)

Sampler's Name: Nick LABERZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other: Plastic Bag Ziplock	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S) 8082	EPA 624/8240/524.2/8260B Fuel Oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	~~PCB~~ VOC 8260B	pH 9040/9045	Total: CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010		TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	~~B-10-0~~ AH	11/5/01	1055					X	X				X				X	X				X							X			X		X		
2	~~B-10-1~~ AH		1102					X	X				X																			X		X		
3	~~B-10-2~~ AH		1108					X	X				X				X	X					X					X				X		X		
4	~~B-10-3~~ AH		1112					X	X				X																X			X		X		
5	~~B-10-5.5~~ AH		1128		X				X				X				X	X					X					X						X		
6	B-10-10		1135		X				X				X				X	X					X					X						X		
7	~~B-10-20~~ AH		1144		X				X				X																					HOLD		
8	~~B-10-25~~ AH		1155		X				X				X																					HOLD		
9	~~B-9-0~~ AH		1442					X	X				X				X	X				X										X		X		
10	~~B-9-1~~ AH		1445					X	X				X																X			X		X		

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	Skye Hatten	Skye Hatten	[signature]
Date: 11/5/01 Time: 0940 PM	Date: 11/5/01 Time: 9:40 PM	Date: 11/6/01 Time: 1010	Date: 11/6/01 Time: 10:10

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

1. DEFINITIONS

1.1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

1.2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives

1.3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

1.4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

1.5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

1.6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

2. ORDERS

2.1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2.2 Any order placed by the Client under Section 2.1 is subject to a minimum cancelation charge of $250.

3. PAYMENT TERMS

3.1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work

3.2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3.3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required

4. RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

4.1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

4.2 Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

4.3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4.4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

4.5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

4.6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements; either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC. A2C/R1-J

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23739

Page 2 **of** 3

STAL Invoice Number: 14165

Company: IT Corp.

Phone: (916) 565-4186

Project Manager: Don Bransford

FAX: (916) 928-3341

Report Address:
1326 N. Market Blvd
Sacramento, CA 95834

Billing Name & Address:

Project Name: Soil & GW Investigation

Project/Job#: 832661

Project Location: I580 Livermore, CA

P.O.#:

ANALYSIS REQUEST

REMARKS: only sample B-9-10

Sampler's Name: NICK LABEDEKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

Total

NO.	SAMPLE ID	Sampling Date	Sampling Time	40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other: Plastic Bag Ziplock	HCl/HNO3/ICE	None	Other:	Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260 B Fuel Oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	Reg. VOC 8260B	pH 9040/9045	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	~~B-9-2~~	11/5/01	~~1448~~					X	X				X				X	X					X					X	X			X	X			
2	~~B-9-3~~		1453					X	X				X																			X	X			
3	~~B-9-5~~		1505		X				X				X				X	X					X					X					X			
4	B-9-10		1512		X				X				X				X	X					X					X					X			
5	~~B-9-15~~		1527		X				X				X																				HOLD			
6	~~B-9-20~~		1535		X				X				X																				HOLD			
7																																				
8																																				
9																																				
10																																				

Relinquished by:	Received by:	Relinquished by:	Received by:
Date: 11/5/01 Time: 0940 PM	Date: 11/5/01 Time: 9:40 PM	Date: 11/6/01 Time: 010	Date: 11/6/01 Time: 10:00

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TERMS AND CONDITIONS OF SALE
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. ORDERS

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2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250

. PAYMENT TERMS

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2 Sparger reserves the absolute right, excercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

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6. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results.

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, war, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements; either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC. H2C/R1-1

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23740

Page 3 **of** 3

STAL Invoice Number: 14165

Company: IT Corp

Phone: (916) 565-4186

Project Manager: Don Bransford

FAX: (916) 928-3341

Report Address: 1326 N. Market Blvd Sacramento, CA

Billing Name & Address:

Project Name: Soil & GW Investigation

Project/Job#: 832661

Project Location: 1580 Livermoore, CA

P.O.#:

ANALYSIS REQUEST

REMARKS: * Please filter then Preserve with HNO3

Sampler's Name: NICK LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container 40 mL VOA	Container Brass Sleeve	Container 1 L amber bottle	Container 250 mL Plastic Unpreserved *	Container Other:	Preservative Used HCl/HNO3/ICE	Preservative Used None	Preservative Used Other:	Matrix Water	Matrix Soil	Matrix Air	Matrix Other:	TCLP BTEX (602/8020)503.1	TCLP BTEX/TPHgas (602/8020/8015)/MTBE	TCLP TPHdiesel/TPHmotor oil/kerosene(8015)	TCLP EPA 601/8010/502.2/504/8021	TCLP EPA 602/8020	TCLP EPA 608/8080 (Pesticides)/505/508	TCLP EPA 608/8080 (PCB'S)	TCLP EPA 624/8240/524.2/8260B Fuel Oxy	TCLP EPA 625/8270/525	TCLP Total Oil & Grease (5520)	TCLP Non-Polar O & G/TRPH (418.1)	TCLP Organic Lead	TCLP ~~RCI~~ VOC 8260B	TCLP pH 9040/9045	Total CAM-17 Metals	Total CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Total Lead	Total 6010/7421 Title 22 metals	TAT Standard	TAT Rush Services (72hr / 48hr / 24hr / 12hr)	TAT Holiday/Weekend Rush
1	B-10	11/05/01	1235	6		3	1		X			X											X					X	X				X	X		
2	TRAVEL BLANK		1230	~~#2~~					X			X											X					X								
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	Skip Hatten	Skip Hatten	[signature]
Date: 11/5/01 Time: 0940 PM	Date: 11/5/01 Time: 940 PM	Date: 11/6/01 Time: 1010	Date: 11/6/01 Time: 10:10

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

DEFINITIONS

"Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

"Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

"Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

"Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

"Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

"Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

ORDERS

The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250

PAYMENT TERMS

Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work

Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies

Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

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7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

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11/6/01

Jennifer -

For wo# 14165, please run CAM-17 metals analysis for water sample B-10.

CAM 17 Metals

1. Animony 1
Arsenic 2
Barium 3
Beryllium
Cadmium 4
Chromium 5
Cobalt 7
Copper 8
Lead 9
Mercury 10
Molybdenum 11
Nickel 12
Selenium 13
Silver 14
Thallium 15
Vanadium 16
Zinc. 17

RECEIVING
11/6/01 11:15 [illegible]

Please call if you have any questions.

Thanks -
Skye Hatten

the i group

1326 N. Market Boulevard
Sacramento, California 95834-1912

PHONE: 916/928-3300
FAX: 916/928-3341

FAX TRANSMITTAL

To:	Company	Fax No.	Telephone No.
Jennifer Riley	Sparger		

From: Skye Hatten

Project No.: 832661

Date: 11/6/01

Total No. of Pages:

Subject: Additional Request → CAM17 on sample B-10

☐ URGENT ☐ FOR REVIEW ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Notes/Comments:

Jennifer -

here's an additional request for WO # 14165.

Thanks.
Skye

NOTE: Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14169 832661/Soil & GW Investigation
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169001	**Received**	11/07/01
Sample ID	B-7A-0	**Reported**	01/15/02
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0113mg/Kg	68 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0148mg/Kg	89 %	(45 - 145)

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Environmental Laboratories

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169003	**Received**	11/07/01
Sample ID	B-7A-2	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/14/01	11/14/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	59 ug/kg	118 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169003	**Received**	11/07/01
Sample ID	B-7A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrolein	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acetone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Methyl iodide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/14/01	11/14/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloroform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Benzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169003	**Received**	11/07/01
Sample ID	B-7A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Toluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromoform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Styrene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
o-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169003	**Received**	11/07/01
Sample ID	B-7A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,4-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Naphthalene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,3-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	67 ug/kg	134 %	(76 - 130)
Toluene d8	58.5 ug/kg	117 %	(88 - 118)
4-Bromofluorobenzene	49 ug/kg	98 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169003	**Received**	11/07/01
Sample ID	B-7A-2	**Reported**	01/15/02
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	6.72	1.0	mg/Kg	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169004	**Received**	11/07/01
Sample ID	B-7A-3	**Reported**	01/15/02
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	11/15/01	11/15/01	3.38	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169005	**Received**	11/07/01
Sample ID	B-7A-5	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/08/01	11/08/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64 ug/kg	128 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169005	**Received**	11/07/01
Sample ID	B-7A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Bromomethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Acrolein	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Acetone	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chloroform	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Benzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169005	**Received**	11/07/01
Sample ID	B-7A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Toluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromoform	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Styrene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
o-Xylene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1

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Sample ID	B-7A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Naphthalene	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Hexachlorobutadiene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.5 ug/kg	115 %	(76 - 130)
Toluene d8	57.7 ug/kg	115 %	(88 - 118)
4-Bromofluorobenzene	54.6 ug/kg	109 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169006	**Received**	11/07/01
Sample ID	B-7A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/08/01	11/08/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/08/01	11/08/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	65.1 ug/kg	130 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169006	**Received**	11/07/01
Sample ID	B-7A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/08/01	11/08/01	ND	2.0	ug/kg	1
Bromomethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Acrolein	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Acetone	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Methyl iodide	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Carbon disulfide	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/08/01	11/08/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/08/01	11/08/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:
2-Butanone (MEK)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Chloroform	11/08/01	11/08/01	ND	2.0	ug/kg	1:
2,2-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Benzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Dibromomethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Bromodichloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Trichloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:
2-Chloroethylvinyl ether	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/kg	1:

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Laboratory ID	14169006	**Received**	11/07/01
Sample ID	B-7A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Toluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromoform	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Styrene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
o-Xylene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1

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Laboratory ID	14169006	**Received**	11/07/01
Sample ID	B-7A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
1,2-Dibromo-3-chloropropane	11/08/01	11/08/01	ND	2.0	ug/kg	1:
1,2,4-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:
Naphthalene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/08/01	11/08/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	54.5 ug/kg	109 %	(76 - 130)
Toluene d8	54.3 ug/kg	109 %	(88 - 118)
4-Bromofluorobenzene	56.4 ug/kg	113 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169009	**Received**	11/07/01
Sample ID	B-6A-0	**Reported**	01/15/02
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0121mg/Kg	73 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.015 mg/Kg	90 %	(45 - 145)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169011	**Received**	11/07/01
Sample ID	B-6A-2	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/14/01	11/14/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/14/01	11/14/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	55.8 ug/kg	112 %	(76 - 135)

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Laboratory ID	14169011	**Received**	11/07/01
Sample ID	B-6A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acrolein	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acetone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Benzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Sample ID	B-6A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut a
4-Methyl-2-pentanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Toluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dibromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromoform	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Styrene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
o-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
2-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
tert-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
n-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Naphthalene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	69.8 ug/kg	140 %	(76 - 130)
Toluene d8	58 ug/kg	116 %	(88 - 118)
4-Bromofluorobenzene	47.6 ug/kg	95 %	(86 - 121)

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Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
Lead	11/15/01	11/15/01	6.88	1.0	mg/Kg	1·1

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Laboratory ID	14169012	**Received**	11/07/01
Sample ID	B-6A-3	**Reported**	01/15/02
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	4.26	1.0	mg/Kg	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169013	**Received**	11/07/01
Sample ID	B-6A-5	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.7 ug/kg	129 %	(76 - 135)

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Sample ID	B-6A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Sample ID	B-6A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Sample ID	B-6A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.4 ug/kg	115 %	(76 - 130)
Toluene d8	55.4 ug/kg	111 %	(88 - 118)
4-Bromofluorobenzene	51.6 ug/kg	103 %	(86 - 121)

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169014	**Received**	11/07/01
Sample ID	B-6A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	65.3 ug/kg	131 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169014	**Received**	11/07/01
Sample ID	B-6A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169014	**Received**	11/07/01
Sample ID	B-6A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169014	**Received**	11/07/01
Sample ID	B-6A-10 GW1	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56.8 ug/kg	114 %	(76 - 130)
Toluene d8	56.5 ug/kg	113 %	(88 - 118)
4-Bromofluorobenzene	52 ug/kg	104 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169015	**Received**	11/07/01
Sample ID	B-5A-0	**Reported**	01/15/02
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.014 mg/Kg	84 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0162mg/Kg	97 %	(45 - 145)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169017	**Received**	11/07/01
Sample ID	B-5A-2	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/14/01	11/14/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	57.6 ug/kg	115 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169017	**Received**	11/07/01
Sample ID	B-5A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrolein	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acetone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Methyl iodide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/14/01	11/14/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/14/01	11/14/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloroform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Benzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dibromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Trichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

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Laboratory ID	14169017	**Received**	11/07/01
Sample ID	B-5A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Toluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromoform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Styrene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
o-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Laboratory ID	14169017	**Received**	11/07/01
Sample ID	B-5A-2	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,4-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Naphthalene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	62.9 ug/kg	126 %	(76 - 130)
Toluene d8	53.6 ug/kg	107 %	(88 - 118)
4-Bromofluorobenzene	47.4 ug/kg	95 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169019	**Received**	11/07/01
Sample ID	B-5A-5	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	63 ug/kg	126 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169019	**Received**	11/07/01
Sample ID	B-5A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169019	**Received**	11/07/01
Sample ID	B-5A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169019	**Received**	11/07/01
Sample ID	B-5A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti ı
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	63.8 ug/kg	128 %	(76 - 130)
Toluene d8	59.2 ug/kg	118 %	(88 - 118)
4-Bromofluorobenzene	52.4 ug/kg	105 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169021	**Received**	11/07/01
Sample ID	B-5A-15	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.4 ug/kg	129 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169021	**Received**	11/07/01
Sample ID	B-5A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169021	**Received**	11/07/01
Sample ID	B-5A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169021	**Received**	11/07/01
Sample ID	B-5A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	62.4 ug/kg	125 %	(76 - 130)
Toluene d8	58.7 ug/kg	117 %	(88 - 118)
4-Bromofluorobenzene	52 ug/kg	104 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169024	**Received**	11/07/01
Sample ID	B-4A-0	**Reported**	01/15/02
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0126mg/Kg	76 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.016mg/Kg	96 %	(45 - 145)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169026	**Received**	11/07/01
Sample ID	B-4A-5	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.7 ug/kg	129 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169026	**Received**	11/07/01
Sample ID	B-4A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169026	**Received**	11/07/01
Sample ID	B-4A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169026	**Received**	11/07/01
Sample ID	B-4A-5	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.9 ug/kg	124 %	(76 - 130)
Toluene d8	59 ug/kg	118 %	(88 - 118)
4-Bromofluorobenzene	52.3 ug/kg	105 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169028	**Received**	11/07/01
Sample ID	B-4A-15	**Reported**	01/15/02
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/09/01	11/09/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/09/01	11/09/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/09/01	11/09/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.8 ug/kg	130 %	(76 - 135)

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169028	**Received**	11/07/01
Sample ID	B-4A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrolein	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acetone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chloroform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Benzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

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Sample ID	B-4A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Toluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
2-Hexanone	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromoform	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Styrene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
o-Xylene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/09/01	11/09/01	ND	2.0	ug/kg	1:
Bromobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:

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Sample ID	B-4A-15	**Reported**	01/15/02
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Naphthalene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/09/01	11/09/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.5 ug/kg	123 %	(76 - 130)
Toluene d8	58.7 ug/kg	117 %	(88 - 118)
4-Bromofluorobenzene	52.2 ug/kg	104 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169030	**Received**	11/07/01
Sample ID	B-7	**Reported**	01/15/02
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/08/01	11/08/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/08/01	11/08/01	ND	2.0	ug/L	1:
Di-isopropyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:
Ethyl tert-butyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/08/01	11/08/01	ND	5.0	ug/L	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.4 ug/L	129 %	(76 - 135)

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169030	**Received**	11/07/01
Sample ID	B-7	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Vinyl chloride	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromomethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Trichlorofluoromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acrolein	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acetone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Methyl iodide	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Carbon disulfide	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dichloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acrylonitrile	11/08/01	11/08/01	ND	2.0	ug/L	1:1
trans-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Vinyl acetate	11/08/01	11/08/01	ND	2.0	ug/L	1:1
cis-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromochloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloroform	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2,2-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Carbon tetrachloride	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Benzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dibromomethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromodichloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Trichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Chloroethylvinyl ether	11/08/01	11/08/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

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Laboratory ID	14169030	**Received**	11/07/01
Sample ID	B-7	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1,2-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Toluene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,3-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Hexanone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Tetrachloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Ethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
M+P-Xylene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromoform	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Styrene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
o-Xylene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
n-Propylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
4-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,3,5-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
tert-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,4-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
sec-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,3-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
4-Isopropyltoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169030	**Received**	11/07/01
Sample ID	B-7	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Naphthalene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Hexachlorobutadiene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	53.2 ug/L	106 %	(76 - 135)
Toluene d8	52.3 ug/L	105 %	(88 - 118)
4-Bromofluorobenzene	56.2 ug/L	112 %	(86 - 121)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169030	**Received**	11/07/01
Sample ID	B-7	**Reported**	01/15/02
Matrix	Water		

Metals, CAM17 - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Antimony	11/06/01	11/08/01	ND	0.060	mg/L	1:1
Arsenic	11/06/01	11/08/01	ND	0.080	mg/L	1:
Barium	**11/06/01**	**11/08/01**	**0.17**	**0.020**	**mg/L**	**1:1**
Beryllium	11/06/01	11/08/01	ND	0.0030	mg/L	1:1
Cadmium	11/06/01	11/08/01	ND	0.0050	mg/L	1:
Chromium	**11/06/01**	**11/08/01**	**0.012**	**0.010**	**mg/L**	**1:1**
Cobalt	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Copper	11/06/01	11/08/01	ND	0.020	mg/L	1:
Lead	11/06/01	11/08/01	ND	0.010	mg/L	1:
Molybdenum	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Nickel	11/06/01	11/08/01	ND	0.040	mg/L	1:1
Selenium	11/06/01	11/08/01	ND	0.10	mg/L	1:
Silver	11/06/01	11/08/01	ND	0.010	mg/L	1:1
Thallium	11/06/01	11/08/01	ND	0.10	mg/L	1:1
Vanadium	11/06/01	11/08/01	ND	0.050	mg/L	1:
Zinc	**11/06/01**	**11/08/01**	**0.016**	**0.015**	**mg/L**	**1:**

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169031	**Received**	11/07/01
Sample ID	B-4	**Reported**	01/15/02
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/08/01	11/08/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Di-isopropyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:1
Ethyl tert-butyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/08/01	11/08/01	ND	5.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	62.5 ug/L	125 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169031	**Received**	11/07/01
Sample ID	B-4	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
1,2-Dibromo-3-chloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Naphthalene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Hexachlorobutadiene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	55.4 ug/L	111 %	(76 - 135)
Toluene d8	51.6 ug/L	103 %	(88 - 118)
4-Bromofluorobenzene	57.6 ug/L	115 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169031	**Received**	11/07/01
Sample ID	B-4	**Reported**	01/15/02
Matrix	Water		

Metals, CAM17 - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Antimony	11/06/01	11/08/01	ND	0.060	mg/L	1:1
Arsenic	11/06/01	11/08/01	ND	0.080	mg/L	1:1
Barium	**11/06/01**	**11/08/01**	**0.10**	**0.020**	**mg/L**	**1:1**
Beryllium	11/06/01	11/08/01	ND	0.0030	mg/L	1:1
Cadmium	11/06/01	11/08/01	ND	0.0050	mg/L	1:1
Chromium	11/06/01	11/08/01	ND	0.010	mg/L	1:1
Cobalt	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Copper	11/06/01	11/08/01	ND	0.020	mg/L	1:1
Lead	11/06/01	11/08/01	ND	0.010	mg/L	1:1
Molybdenum	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Nickel	11/06/01	11/08/01	ND	0.040	mg/L	1:1
Selenium	11/06/01	11/08/01	ND	0.10	mg/L	1:1
Silver	11/06/01	11/08/01	ND	0.010	mg/L	1:1
Thallium	11/06/01	11/08/01	ND	0.10	mg/L	1:1
Vanadium	11/06/01	11/08/01	ND	0.050	mg/L	1:1
Zinc	11/06/01	11/08/01	ND	0.015	mg/L	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169032	**Received**	11/07/01
Sample ID	Travel Blank	**Reported**	01/15/02
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/08/01	11/08/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/08/01	11/08/01	ND	2.0	ug/L	1:
Di-isopropyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:
Ethyl tert-butyl ether	11/08/01	11/08/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/08/01	11/08/01	ND	5.0	ug/L	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.3 ug/L	129 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169032	**Received**	11/07/01
Sample ID	Travel Blank	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Vinyl chloride	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromomethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Trichlorofluoromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acrolein	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acetone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Methyl iodide	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Carbon disulfide	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dichloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Acrylonitrile	11/08/01	11/08/01	ND	2.0	ug/L	1:1
trans-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Vinyl acetate	11/08/01	11/08/01	ND	2.0	ug/L	1:1
cis-1,2-Dichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromochloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Chloroform	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2,2-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,1-dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Carbon tetrachloride	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Benzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dibromomethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Bromodichloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Trichloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Chloroethylvinyl ether	11/08/01	11/08/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

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Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169032	**Received**	11/07/01
Sample ID	Travel Blank	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,1,2-Trichloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:
Toluene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,3-Dichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:
2-Hexanone	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/08/01	11/08/01	ND	2.0	ug/L	1:
Tetrachloroethene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,1,1,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:
Chlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Ethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
M+P-Xylene	11/08/01	11/08/01	ND	2.0	ug/L	1:
Bromoform	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Styrene	11/08/01	11/08/01	ND	2.0	ug/L	1:
o-Xylene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,1,2,2-Tetrachloroethane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/08/01	11/08/01	ND	2.0	ug/L	1:
Bromobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
n-Propylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
2-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:
4-Chlorotoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,3,5-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
tert-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,2,4-Trimethylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
sec-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,3-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:
4-Isopropyltoluene	11/08/01	11/08/01	ND	2.0	ug/L	1:
1,2-Dichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:

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Client ID	IT Corporation	**Workorder ID**	832661/Soil & GW Investigation
Workorder #	14169	**Sampled**	11/06/01
Laboratory ID	14169032	**Received**	11/07/01
Sample ID	Travel Blank	**Reported**	01/15/02
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Naphthalene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
Hexachlorobutadiene	11/08/01	11/08/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/08/01	11/08/01	ND	2.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.3 ug/L	115 %	(76 - 135)
Toluene d8	54.4 ug/L	109 %	(88 - 118)
4-Bromofluorobenzene	55.6 ug/L	111 %	(86 - 121)

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14169

Workorder ID 832661/Soil & GW Investigation

Parameter TPHdiesel
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169001	B-7A-0	ND	10	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169003	B-7A-2	ND	1.0	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169005	B-7A-5	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169006	B-7A-10 GW1	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169009	B-6A-0	ND	100	mg/Kg	11/06/01	11/26/01	Soil	1:10
14169011	B-6A-2	ND	1.0	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169013	B-6A-5	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169014	B-6A-10 GW1	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169015	B-5A-0	ND	1.0	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169017	B-5A-2	ND	1.0	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169019	B-5A-5	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169021	B-5A-15	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169024	B-4A-0	ND	1.0	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169026	B-4A-5	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169028	B-4A-15	ND	1.0	mg/Kg	11/06/01	11/13/01	Soil	1:1

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Client ID IT Corporation
Workorder # 14169

Workorder ID 832661/Soil & GW Investigation

Parameter TPHmotor oil
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169001	B-7A-0	ND	500	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169003	B-7A-2	99	50	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169005	B-7A-5	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169006	B-7A-10 GW1	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169009	B-6A-0	5600	5000	mg/Kg	11/06/01	11/26/01	Soil	1:10
14169011	B-6A-2	ND	50	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169013	B-6A-5	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169014	B-6A-10 GW1	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169015	B-5A-0	ND	50	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169017	B-5A-2	ND	50	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169019	B-5A-5	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169021	B-5A-15	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169024	B-4A-0	64	50	mg/Kg	11/06/01	11/26/01	Soil	1:1
14169026	B-4A-5	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1
14169028	B-4A-15	ND	50	mg/Kg	11/06/01	11/13/01	Soil	1:1

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Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14169

Workorder ID 832661/Soil & GW Investigation

Parameter TPHgas
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169001	B-7A-0	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169003	B-7A-2	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169005	B-7A-5	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169006	B-7A-10 GW1	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169009	B-6A-0	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169011	B-6A-2	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169013	B-6A-5	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169014	B-6A-10 GW1	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169015	B-5A-0	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169017	B-5A-2	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169019	B-5A-5	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169021	B-5A-15	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169024	B-4A-0	ND	1.0	mg/Kg	11/06/01	11/08/01	Soil	1:1
14169026	B-4A-5	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1
14169028	B-4A-15	ND	1.0	mg/Kg	11/06/01	11/07/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14169

Workorder ID 832661/Soil & GW Investigation

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169001	B-7A-0	6.8	0.10	units	11/06/01	11/07/01	Soil	1:1
14169004	B-7A-3	8.0	0.10	units	11/06/01	11/07/01	Soil	1:1
14169010	B-6A-1	7.1	0.10	units	11/06/01	11/07/01	Soil	1:1
14169011	B-6A-2	7.2	0.10	units	11/06/01	11/07/01	Soil	1:1
14169016	B-5A-1	7.6	0.10	units	11/06/01	11/07/01	Soil	1:1
14169017	B-5A-2	7.6	0.10	units	11/06/01	11/07/01	Soil	1:1
14169024	B-4A-0	8.2	0.10	units	11/06/01	11/07/01	Soil	1:1
14169025	B-4A-3	7.8	0.10	units	11/06/01	11/07/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14169 **Workorder ID** 832661/Soil & GW Investigation

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Parameter Mercury
Method EPA 7470A

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169030	B-7	ND	0.00020	mg/L	11/06/01	11/07/01	Water	1:1
14169031	B-4	ND	0.00020	mg/L	11/06/01	11/07/01	Water	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14169 **Workorder ID** 832661/Soil & GW Investigation

Parameter pH
Method EPA 9040

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14169030	B-7	7.1	0.1	units	11/06/01	11/07/01	Water	1:1
14169031	B-4	7.1	0.1	units	11/06/01	11/07/01	Water	1:1

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Duplicate Report

Client ID	IT Corporation
Workorder ID	832661/Soil & GW Investigation
Laboratory ID	34614
Sample ID	DUP for HBN 98229 [PHV/1246]
Matrix	Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
pH	9045 PH	11/07/01	11/07/01	6.9	0.10	units	1:

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WORKORDER DATA SHEET
Jan 15, 2002 19:24

ID 14169 WO #14169 832661/Soil & GW Investigation STATUS CO
DESC B8D/R1-2 (Dung)

CREATED	11/07/01 12:33	PO	QA	TYPE CM	ACODE REPORT_WO
CLIENT	IT Corp. IT Corporation				
PROFILE	110 Standard Standard w/o Discount				

WORKORDER SAMPLES

1 **14169001** 14169001 B-7A-0

RP	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:59	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10
9045 PH S	9045, PH, Soil	10

2 **14169002** 14169002 B-7A-1

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:51	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

3 **14169003** 14169003 B-7A-2

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:52	DUE	11/21/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

4 **14169004** 14169004 B-7A-3

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:52	DUE	11/21/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

WORKORDER DATA SHEET
Jan 15, 2002 19:24

5 **14169005** 14169005 B-7A-5

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:52	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

6 **14169006** 14169006 B-7A-10 GW1

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:52	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

7 **14169007** 14169007 B-7A-15

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:53	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

8 **14169008** 14169008 B-7A-20

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:53	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

9 **14169009** 14169009 B-6A-0

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:53	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
8082 SOIL	8082 PCB's Soil	10
TPH DM S	TPHdiesel/motor oil S	10

10 **14169010** 14169010 B-6A-1

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	01/15/02 19:23	DUE	11/21/01 17:00

Analyses		Turndays

9045 PH S	9045, PH, Soil	10

11 **14169011** 14169011 B-6A-2

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:54	DUE	11/21/01 17:00

Analyses		Turndays
9045 PH S	9045, PH, Soil	10
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

12 **14169012** 14169012 B-6A-3

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:54	DUE	11/21/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

13 **14169013** 14169013 B-6A-5

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:54	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

14 **14169014** 14169014 B-6A-10 GW1

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:54	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

15 **14169015** 14169015 B-5A-0

CO	TYPE SAMPLE			MATRIX	Soil
COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:55	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10

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16	**14169016**	14169016		B-5A-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	01/15/02 19:21	DUE	11/21/01 17:00

Analyses		Turndays
9045 PH S	9045, PH, Soil	10
6010S Pb	6010B Soil, Pb, Lead	10

17	**14169017**	14169017		B-5A-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:55	DUE	11/21/01 17:00

Analyses		Turndays
9045 PH S	9045, PH, Soil	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10

18	**14169018**	14169018		B-5A-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	01/15/02 19:22	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

19	**14169019**	14169019		B-5A-5		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:56	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

20	**14169020**	14169020		B-5A-10		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:56	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

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Jan 15, 2002 19:24

21	**14169021**	14169021		B-5A-15		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:56	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

22	**14169022**	14169022		B-5A-20		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:56	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

23	**14169023**	14169023		B-5A-25		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:57	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

24	**14169024**	14169024		B-4A-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	01/15/02 19:23	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10
9045 PH S	9045, PH, Soil	10

25	**14169025**	14169025		B-4A-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	01/15/02 19:24	DUE	11/21/01 17:00

Analyses		Turndays
9045 PH S	9045, PH, Soil	10
6010S Pb	6010B Soil, Pb, Lead	10

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Jan 15, 2002 19:24

26	**14169026**	14169026		B-4A-5		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:57	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

27	**14169027**	14169027		B-4A-10		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:58	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

28	**14169028**	14169028		B-4A-15		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:58	DUE	11/21/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
OXG/60S	8260B OXYGENATES SOIL	10

29	**14169029**	14169029		B-4A-20		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:58	DUE	11/21/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

30	**14169030**	14169030		B-7		
	CO	TYPE SAMPLE			MATRIX	Water
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:58	DUE	11/21/01 17:00

Analyses		Turndays
9040	9040, pH, Water	10
8260 WATR	8260B GCMS VOLATILES WATR	10
CAM17WATR	6010B ELEMENTS CAM17 WATER	10
OXG/60W	8260B OXYGENATES WATR	10

WORKORDER DATA SHEET
Jan 15, 2002 19:24

31	**14169031**	14169031		B-4		
	CO	TYPE SAMPLE			MATRIX	Water
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 11:59	DUE	11/21/01 17:00

Analyses		Turndays
9040	9040, pH, Water	10
8260 WATR	8260B GCMS VOLATILES WATR	10
CAM17WATR	6010B ELEMENTS CAM17 WATER	10
OXG/60W	8260B OXYGENATES WATR	10

32	**14169032**	14169032		Travel Blank		
	CO	TYPE SAMPLE			MATRIX	Water
	COLLECTED	11/06/01 00:00	COMPLETED	12/13/01 09:36	DUE	11/21/01 17:00

Analyses		Turndays
8260 WATR	8260B GCMS VOLATILES WATR	10
OXG/60W	8260B OXYGENATES WATR	10

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Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
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CHAIN OF CUSTODY RECORD

C.O.C. No. 23737
Page 1 **of** 4
STAL Invoice Number: [redacted]

Company: ITcorp
Phone: (916) 565-4186
Project Manager: Don Bransford
FAX: (916) 928-3341
Report Address: 1326 N. Market Blvd, Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 832611
Project Location: I580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: GW1 Groundwater Interface B-7A-0 GW1

Sampler's Name: Nick Labedzki

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other: Plastic Bag (Ziplock)	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB's) 8082	EPA 624/8240/524.2/8260B Fuel Oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	Total: 8260B VOC	pH 9040/9045	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-7A-0	11/6/01	1100		X				X				X				X	X				X							X			X	X	HOLD	
2	-1		1110		X																											X		HOLD	
3	-2		1115		X												X	X					X					X				X		HOLD	
4	-3		1117		X																								X			X		HOLD	
5	-5		1120		X												X	X					X					X							
6	-10 GW1		1125		X												X	X					X					X							
7	-15		1132		X																														
8	-20		1137		X																													HOLD	
9	B-6A-0		1245		X												X	X				X												HOLD	
10	B-6A-1		1247		X				X																				X			X		HOLD 11/6	
																																		HOLD 11/6	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11/6/01	2230	[signature]	11/6/01	2230

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11/7/01	1040	[signature]	11/7/01	10:40

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

DEFINITIONS

1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

ORDERS

1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

PAYMENT TERMS

1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

2 Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures

6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5

6. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary Any reanalysis generating Results consistent with the original Results will be at the Client's expense Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results.

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

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SPARGER TECHNOLOGY, INC.
Analytical Laboratory B8D/R1-2
050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23742
Page 2 **of** 4
STAL Invoice Number: 14169

Company: IT Corp. Phone: (916) 565-4186
Project Manager: Don Bransford FAX: (916) 928-3341
Report Address: 1326 N. Market Blvd, Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation Project/Job#: 832661
Project Location: I580 Livermore, CA P.O.#:

ANALYSIS REQUEST

REMARKS: GW1 - Groundwater Interface B-6A-10 GW1

Sampler's Name: NICK LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)
TCLP
Total

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas/602/8020/8015/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S) 8082	EPA 624/8240/524.2/8260 Fuelgas	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	PCB VOC 8260B	pH 9040/9045	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-6A-2	11/6/01	1250		X				X				X				X	X					X					X	X			X	X	HOLD 11/8	
2	B-6A-3		1253		X				X				X																			X	X	HOLD 11/8	
3	B-6A-5		1255		X				X				X				X	X					X					X					X		
4	B-6A-10 GW1		1259		X				X				X				X	X					X					X					X		
5	B-5A-0		1423		X				X				X				X	X				X										X	X	HOLD 11/8	
6	B-5A-1		1425		X				X				X																X			X	X	HOLD 11/8	
7	B-5A-2		1434		X				X				X				X	X					X					X	X			X	X	HOLD 11/8	
8	B-5A-3		1436		X				X				X																			X	X	HOLD 11/8	
9	B-5A-5		1438		X				X				X				X	X					X					X					X		
10	B-5A-10	✓	1447		X				X				X																				X	HOLD	

Relinquished by:	Date: 11/6/01	Time: 2230
Received by: Alex Hatten	Date: 11/6/01	Time: 2230
Relinquished by: Alex Hatten	Date: 11/7/01	Time: 10 40
Received by: Lemuel Riles	Date: 11/7/01	Time: 10:40

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

1. DEFINITIONS

.1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

.2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

.3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

.4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

.5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

.6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

2. ORDERS

1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

3. PAYMENT TERMS

1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work

2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

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Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

B8D/R1-2

CHAIN OF CUSTODY RECORD

C.O.C. No. 23743

Page 3 of 4

STAL Invoice Number: 14169

Company: IT Corp
Phone: (916) 565-4186
Project Manager: Don Bransford
FAX: (916) 928-3341
Report Address: 1326 N. Market Blvd Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 832661
Project Location: I 580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: NOTE: Do not Run PCB for B-4A-5 (A)
Do not run Fuel Ox for B-4A-0 or VOCs
B-5A-15 GW1 GW Interface
B-4A-15 GW1 GW Interface

Sampler's Name: NLADEDZIC (NO)

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl/HNO3/ICE	Preservative Used: None	Preservative Used: Other:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other:	TCLP: BTEX (602/8020)503.1	TCLP: BTEX/TPHgas (602/8020/8015)/MTBE (M)	TCLP: TPHdiesel/TPHmotor oil/kerosene (8015) (M)	TCLP: EPA 601/8010/502.2/504/8021	TCLP: EPA 602/8020	TCLP: EPA 608/8080 (Pesticides)/505/508	TCLP: EPA 608/8080 (PCB'S) 8082	TCLP: EPA 624/8240/524.2/8260 B Fuel Oxy	TCLP: EPA 625/8270/525	TCLP: Total Oil & Grease (5520)	TCLP: Non-Polar O & G/TRPH (418.1)	TCLP: Organic Lead	TCLP: ROC VOC 8260B	TCLP: pH 9040/9045	Total: CAM 17 Metals	Total: CAM 17 Metals (Cd, Cr, Pb, Ni, Zn)	Total: Lead 6010	TAT: Standard	TAT: Rush Services (72hr / 48hr / 24hr / 12hr)	TAT: Holiday/Weekend Rush
1	B-5A-15	11/6/01	1451		X				X				X				X	X					X					X					X		
2	B-5A-20		1502		X				X				X																				X	HOLD (A)	
3	B-5A-25		1507		X				X				X																				X	HOLD (A)	
4	B-4A-0		1555		X				X				X		(M)		X	X				X	NO					NO	X			X	X	HOLD 11/8	
5	B-4A-3		1624		X				X				X		(M)														X			X	X	HOLD 11/8	
6	B-4A-5		1630		X				X				X				X	X				(M)	NO	X				X					X		
7	B-4A-10		1637		X				X				X																				X	HOLD (A)	
8	B-4A-15		1640		X				X				X				X	X					X					X					X		
9	B-4A-20		1646		X				X				X																				X	HOLD (A)	
10																																			

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	Shye Hatten	Shye Hatten	Jennifer Riley
Date: 11/6/01 Time: 2230	Date: 11/6/01 Time: 2230	Date: 11/7/01 Time: 1040	Date: 11/7/01 Time: 10:40

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5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements; either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC.
Analytical Laboratory B8D/R1-2
050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23741
Page 4 **of** 4
STAL Invoice Number: 14169

Company: IT Corp
Phone: (916) 565-4346 4186
Project Manager: Don Bransford
FAX: (916) 928-3341
Report Address: B26 N. Market Blvd Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 832611
Project Location: I580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: * filter then preserve w/ HNO_3

Sampler's Name: NICK LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Date	Time	40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic chp preserved *	Other:	HCl/HNO3/ICE	None	Other:	Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260B Fuel oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	pH 9040/9045	VOC 8260B	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Title 22 Metals 6010/7421	Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-7	11/6/01	1145	6		2	2		X			X											X					X	X				X	X		
2	B-4	11/6/01	1650	6		2	2		X			X											X					X	X				X	X		
3	trave/blank	11/6/01	0600	1					X			X											X						X					X		
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	[signature]	[signature]	[signature]
Date: 11/6/01 Time: 2230	Date: 11/6/01 Time: 2230	Date: 11/7/01 Time: 1040	Date: 11/7/01 Time: 10:40

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

DEFINITIONS

"Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample.

"Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

"Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

"Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

"Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services.

"Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

ORDERS

The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis.

Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

PAYMENT TERMS

Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

Sparger reserves the absolute right, excercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client.

Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed.

At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results.

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control.

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results.

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7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client.

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed.

To: Sparger Technology
Attn: Jennifer
From: Skye Hatten, IT Corp
Date: 11/14/01

RECEIVING

12 11/14/01

Please take the indicated samples off of hold and run the analyses requested.

INVOICE NUMBERS 14172 & 14169

Boring Number	Sample Depth (m)	Sample Depth (ft)	6010 Lead	6010/7421 Title 22 Metals	8015m TPHg	8015m TPHd	8015m TPHo	8082 PCBs	8260B VOCs	8260B Fuel Oxygenates	9040/9045 pH
WO # 14172											
B-1A	0	0			X	X	X	X			
	0.3	1	X								X
	0.6	2	X		X	X	X		X	X	X
	0.9	3	X								
B-2A	0	0			X	X	X	X			
	0.3	1	X								X
B-3A	0	0			X	X	X	X			
	0.3	1									X
	0.6	2	X		X	X	X		X	X	X
	0.9	3	X								
WO # 14169											
B-4A	0	0			X	X	X	X			
B-5A	0	0			X	X	X	X			
	0.6	2			X	X	X		X	X	
B-6A	0	0			X	X	X	X			
	0.6	2	X		X	X	X		X	X	
	0.9	3	X								
B-7A	0	0			X	X	X	X			
	0.3	1									
	0.6	2	X		X	X	X		X	X	
	0.9	3	X								X
B-8	0	0	X		X	X	X	X			
	0.9	3	X								

WO # ~~17~~ 14172 DB

42

21 on hold

6AM:IT/EMCON SPARGER ;916 928 3341 # 2/ 3

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14172 S & GW Invest. #832661
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172001	**Received**	11/08/01
Sample ID	B-3A-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0145mg/Kg	87 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.016mg/Kg	96 %	(45 - 145)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172003	**Received**	11/08/01
Sample ID	B-3A-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	5.00	1.0	mg/Kg	1:1

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Sparger Technology, Inc.
Environmental Laboratories

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172004	**Received**	11/08/01
Sample ID	B-3A-5	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	41.8 ug/kg	84 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172004	**Received**	11/08/01
Sample ID	B-3A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**12**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Sparger Technology, Inc.
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Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172004	**Received**	11/08/01
Sample ID	B-3A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172004	**Received**	11/08/01
Sample ID	B-3A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.5 ug/kg	123 %	(76 - 130)
Toluene d8	59.1 ug/kg	118 %	(88 - 118)
4-Bromofluorobenzene	51.6 ug/kg	103 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172006	**Received**	11/08/01
Sample ID	B-3A-15	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	60.4 ug/kg	121 %	(76 - 135)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172006	**Received**	11/08/01
Sample ID	B-3A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**46**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172006	**Received**	11/08/01
Sample ID	B-3A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Laboratory ID	14172006	**Received**	11/08/01
Sample ID	B-3A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.7 ug/kg	115 %	(76 - 130)
Toluene d8	58.6 ug/kg	117 %	(88 - 118)
4-Bromofluorobenzene	51.7 ug/kg	103 %	(86 - 121)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172007	**Received**	11/08/01
Sample ID	B-2A-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0144mg/Kg	86 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0156mg/Kg	94 %	(45 - 145)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172008	**Received**	11/08/01
Sample ID	B-2A-1	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	4.15	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172009	**Received**	11/08/01
Sample ID	B-2A-2	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	53.9 ug/kg	108 %	(76 - 135)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172009	**Received**	11/08/01
Sample ID	B-2A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Laboratory ID	14172009	**Received**	11/08/01
Sample ID	B-2A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172009	**Received**	11/08/01
Sample ID	B-2A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	58.9 ug/kg	118 %	(76 - 130)
Toluene d8	61.8 ug/kg	124 %	(88 - 118)
4-Bromofluorobenzene	53.3 ug/kg	107 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172009	**Received**	11/08/01
Sample ID	B-2A-2	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	11/09/01	11/09/01	7.49	1.0	mg/Kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172010	**Received**	11/08/01
Sample ID	B-2A-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	6.23	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172011	**Received**	11/08/01
Sample ID	B-2A-5	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	64.5 ug/kg	129 %	(76 - 135)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172011	**Received**	11/08/01
Sample ID	B-2A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**37**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172011	**Received**	11/08/01
Sample ID	B-2A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Sample ID	B-2A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
,2-Dichloroethane-d4	57.3 ug/kg	115 %	(76 - 130)
luene d8	59.9 ug/kg	120 %	(88 - 118)
4-Bromofluorobenzene	52.7 ug/kg	105 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172013	**Received**	11/08/01
Sample ID	B-2A-15	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti n
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	63.4 ug/kg	127 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172013	**Received**	11/08/01
Sample ID	B-2A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Sample ID	B-2A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Laboratory ID	14172013	**Received**	11/08/01
Sample ID	B-2A-15	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.7 ug/kg	123 %	(76 - 130)
Toluene d8	61 ug/kg	122 %	(88 - 118)
4-Bromofluorobenzene	52.8 ug/kg	106 %	(86 - 121)

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Laboratory ID	14172014	**Received**	11/08/01
Sample ID	B-1A-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0127mg/Kg	76 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0158mg/Kg	95 %	(45 - 145)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172015	**Received**	11/08/01
Sample ID	B-1A-1	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	23.4	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172016	**Received**	11/08/01
Sample ID	B-1A-2	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutic
Tertiary butanol	11/14/01	11/14/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/14/01	11/14/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	58.2 ug/kg	116 %	(76 - 135)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172016	**Received**	11/08/01
Sample ID	B-1A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acrolein	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acetone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Benzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172016	**Received**	11/08/01
Sample ID	B-1A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Toluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
2-Hexanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromoform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Styrene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
o-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

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Sample ID	B-1A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Naphthalene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	64.3 ug/kg	129 %	(76 - 130)
Toluene d8	53.5 ug/kg	107 %	(88 - 118)
4-Bromofluorobenzene	46 ug/kg	92 %	(86 - 121)

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Sample ID	B-1A-2	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti n
Lead	11/15/01	11/15/01	64.2	1.0	mg/Kg	1:1

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Laboratory ID	14172017	**Received**	11/08/01
Sample ID	B-1A-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	6.11	1.0	mg/Kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172018	**Received**	11/08/01
Sample ID	B-1A-5	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	68 ug/kg	136 %	(76 - 135)

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Laboratory ID	14172018	**Received**	11/08/01
Sample ID	B-1A-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**21**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.1 ug/kg	122 %	(76 - 130)
Toluene d8	64.8 ug/kg	130 %	(88 - 118)
4-Bromofluorobenzene	53.5 ug/kg	107 %	(86 - 121)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172019	**Received**	11/08/01
Sample ID	B-1A-10	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	61.3 ug/kg	123 %	(76 - 135)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172019	**Received**	11/08/01
Sample ID	B-1A-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**14**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
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Sample ID	B-1A-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Workorder #	14172	**Sampled**	11/07/01
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Sample ID	B-1A-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.3 ug/kg	115 %	(76 - 130)
Toluene d8	57.8 ug/kg	116 %	(88 - 118)
4-Bromofluorobenzene	52.2 ug/kg	104 %	(86 - 121)

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Laboratory ID	14172020	**Received**	11/08/01
Sample ID	B-8-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilu
PCB 1016	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1232	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1254	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1
PCB 1260	11/26/01	12/06/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.013 mg/Kg	78 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0158mg/Kg	95 %	(45 - 145)

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Sample ID	B-8-0	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	63.6	1.0	mg/Kg	1:1

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Sample ID	B-8-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	11/15/01	11/15/01	4.37	1.0	mg/Kg	1:1

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Laboratory ID	14172022	**Received**	11/08/01
Sample ID	B-8-5	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	67.8 ug/kg	136 %	(76 - 135)

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Laboratory ID	14172022	**Received**	11/08/01
Sample ID	B-8-5	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acetone	**11/13/01**	**11/13/01**	**50**	**2.0**	**ug/kg**	**1:**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	59.2 ug/kg	118 %	(76 - 130)
Toluene d8	62.1 ug/kg	124 %	(88 - 118)
4-Bromofluorobenzene	52.6 ug/kg	105 %	(86 - 121)

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Laboratory ID	14172023	**Received**	11/08/01
Sample ID	B-8-10	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	65.8 ug/kg	132 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172023	**Received**	11/08/01
Sample ID	B-8-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acetone	**11/13/01**	**11/13/01**	**9.1**	**2.0**	**ug/kg**	**1:**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
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Sample ID	B-8-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172023	**Received**	11/08/01
Sample ID	B-8-10	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57.3 ug/kg	115 %	(76 - 130)
Toluene d8	61.5 ug/kg	123 %	(88 - 118)
4-Bromofluorobenzene	52.7 ug/kg	105 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172024	**Received**	11/08/01
Sample ID	B-9-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
PCB 1016	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1232	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1242	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1254	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1260	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
ecachlorobiphenyl (DCB)	0.0155mg/Kg	93 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0142mg/Kg	85 %	(45 - 145)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172024	**Received**	11/08/01
Sample ID	B-9-0	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	11/09/01	11/09/01	9.83	1.0	mg/Kg	1:7

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172025	**Received**	11/08/01
Sample ID	B-9-1	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	29.1	1.0	mg/Kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172026	**Received**	11/08/01
Sample ID	B-9-2	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	63.1 ug/kg	126 %	(76 - 135)

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Laboratory ID	14172026	**Received**	11/08/01
Sample ID	B-9-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acetone	**11/13/01**	**11/13/01**	**3.1**	**2.0**	**ug/kg**	**1:1**
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	**11/13/01**	**11/13/01**	**14**	**2.0**	**ug/kg**	**1:1**
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Sample ID	B-9-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	60.9 ug/kg	122 %	(76 - 130)
Toluene d8	55.5 ug/kg	111 %	(88 - 118)
4-Bromofluorobenzene	52.3 ug/kg	105 %	(86 - 121)

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Laboratory ID	14172026	**Received**	11/08/01
Sample ID	B-9-2	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
Lead	11/09/01	11/09/01	12.0	1.0	mg/Kg	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172027	**Received**	11/08/01
Sample ID	B-9-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	44.5	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172028	**Received**	11/08/01
Sample ID	B-10-0	**Reported**	12/12/01
Matrix	Soil		

GC PCBs - 8082

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
PCB 1016	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1221	11/08/01	12/04/01	ND	0.03	mg/Kg	1:
PCB 1232	11/08/01	12/04/01	ND	0.03	mg/Kg	1:
PCB 1242	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1
PCB 1248	11/08/01	12/04/01	ND	0.03	mg/Kg	1:
PCB 1254	11/08/01	12/04/01	ND	0.03	mg/Kg	1:
PCB 1260	11/08/01	12/04/01	ND	0.03	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Decachlorobiphenyl (DCB)	0.0171mg/Kg	103 %	(45 - 145)
Tetrachlorometaxylene (TCMX)	0.0139mg/Kg	83 %	(45 - 145)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172028	**Received**	11/08/01
Sample ID	B-10-0	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	43.8	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172029	**Received**	11/08/01
Sample ID	B-10-1	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	21.2	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172030	**Received**	11/08/01
Sample ID	B-10-2	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/13/01	11/13/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/13/01	11/13/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	46 ug/kg	92 %	(76 - 135)

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Laboratory ID	14172030	**Received**	11/08/01
Sample ID	B-10-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acrolein	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acetone	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Methyl iodide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/13/01	11/13/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Chloroform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Benzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Dibromomethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Trichloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

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Sample ID	B-10-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Toluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromoform	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Styrene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
o-Xylene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1

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Sample ID	B-10-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Naphthalene	11/13/01	11/13/01	ND	2.0	ug/kg	1:
Hexachlorobutadiene	11/13/01	11/13/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/13/01	11/13/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	64.1 ug/kg	128 %	(76 - 130)
Toluene d8	58.2 ug/kg	116 %	(88 - 118)
4-Bromofluorobenzene	52.5 ug/kg	105 %	(86 - 121)

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Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/09/01	11/09/01	86.9	1.0	mg/Kg	1:1

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Laboratory ID	14172031	**Received**	11/08/01
Sample ID	B-10-3	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	11/09/01	11/09/01	22.0	1.0	mg/Kg	1:

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Laboratory ID	14172034	**Received**	11/08/01
Sample ID	B-3A-2	**Reported**	12/12/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/14/01	11/14/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Di-isopropyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/14/01	11/14/01	ND	5.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
bromodifluoromethane	57.6 ug/kg	115 %	(76 - 135)

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Sample ID	B-3A-2	**Reported**	12/12/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl chloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Trichlorofluoromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrolein	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acetone	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Methyl iodide	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Acrylonitrile	11/14/01	11/14/01	ND	2.0	ug/kg	1:
trans-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Vinyl acetate	11/14/01	11/14/01	ND	2.0	ug/kg	1:
cis-1,2-Dichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Bromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Chloroform	11/14/01	11/14/01	ND	2.0	ug/kg	1:
2,2-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,1-dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Carbon tetrachloride	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Benzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2-Dichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Dibromomethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Trichloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
2-Chloroethylvinyl ether	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Toluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromoform	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Styrene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
o-Xylene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1

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Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/14/01	11/14/01	ND	2.0	ug/kg	1:
1,2,4-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Naphthalene	11/14/01	11/14/01	ND	2.0	ug/kg	1:
Hexachlorobutadiene	11/14/01	11/14/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/14/01	11/14/01	ND	2.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	68.7 ug/kg	137 %	(76 - 130)
Toluene d8	55.8 ug/kg	112 %	(88 - 118)
4-Bromofluorobenzene	47.8 ug/kg	96 %	(86 - 121)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172034	**Received**	11/08/01
Sample ID	B-3A-2	**Reported**	12/12/01
Matrix	Soil		

Metals - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	11/15/01	11/15/01	32.9	1.0	mg/Kg	1:1

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172035	**Received**	11/08/01
Sample ID	B-1A	**Reported**	12/12/01
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Tertiary butanol	11/15/01	11/15/01	ND	10	ug/L	1:
Methyl-tert-butyl-ether	11/15/01	11/15/01	ND	2.0	ug/L	1:
Di-isopropyl ether	11/15/01	11/15/01	ND	5.0	ug/L	1:1
Ethyl tert-butyl ether	11/15/01	11/15/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/15/01	11/15/01	ND	5.0	ug/L	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	57.3 ug/L	115 %	(76 - 135)

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Client ID	IT Corporation	**Workorder ID**	S & GW Invest. #832661
Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172035	**Received**	11/08/01
Sample ID	B-1A	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Vinyl chloride	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromomethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Trichlorofluoromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Acrolein	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Acetone	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Methyl iodide	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Carbon disulfide	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Dichloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Acrylonitrile	11/15/01	11/15/01	ND	2.0	ug/L	1:1
trans-1,2-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Vinyl acetate	11/15/01	11/15/01	ND	2.0	ug/L	1:1
cis-1,2-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromochloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chloroform	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2,2-dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1-dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Carbon tetrachloride	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Benzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Dibromomethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromodichloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Trichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Chloroethylvinyl ether	11/15/01	11/15/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/15/01	11/15/01	ND	2.0	ug/L	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172035	**Received**	11/08/01
Sample ID	B-1A	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutio
4-Methyl-2-pentanone	11/15/01	11/15/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,2-Trichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Toluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3-Dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Hexanone	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Tetrachloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Ethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
M+P-Xylene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromoform	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Styrene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
o-Xylene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
n-Propylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Chlorotoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
4-Chlorotoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3,5-Trimethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
tert-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,4-Trimethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
sec-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
4-Isopropyltoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172035	**Received**	11/08/01
Sample ID	B-1A	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,4-Trichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Naphthalene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Hexachlorobutadiene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61.5 ug/L	123 %	(76 - 135)
Toluene d8	47.8 ug/L	96 %	(88 - 118)
4-Bromofluorobenzene	51.8 ug/L	104 %	(86 - 121)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172035	**Received**	11/08/01
Sample ID	B-1A	**Reported**	12/12/01
Matrix	Water		

Metals, CAM16 - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Antimony	11/08/01	11/09/01	ND	0.060	mg/L	1:
Arsenic	11/08/01	11/09/01	ND	0.080	mg/L	1:
Barium	**11/08/01**	**11/09/01**	**0.20**	**0.020**	**mg/L**	**1:1**
Beryllium	11/08/01	11/09/01	ND	0.0030	mg/L	1:1
Cadmium	11/08/01	11/09/01	ND	0.0050	mg/L	1:
Chromium	11/08/01	11/09/01	ND	0.010	mg/L	1:
Cobalt	11/08/01	11/09/01	ND	0.050	mg/L	1:1
Copper	11/08/01	11/09/01	ND	0.020	mg/L	1:
Lead	11/08/01	11/09/01	ND	0.010	mg/L	1:
Molybdenum	11/08/01	11/09/01	ND	0.050	mg/L	1:1
Nickel	11/08/01	11/09/01	ND	0.040	mg/L	1:1
Selenium	11/08/01	11/09/01	ND	0.10	mg/L	1:
Silver	11/08/01	11/09/01	ND	0.010	mg/L	1:1
Thallium	11/08/01	11/09/01	ND	0.10	mg/L	1:1
Vanadium	11/08/01	11/09/01	ND	0.050	mg/L	1:
Zinc	**11/08/01**	**11/09/01**	**0.020**	**0.015**	**mg/L**	**1:**

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172036	**Received**	11/08/01
Sample ID	Travel Blank	**Reported**	12/12/01
Matrix	Water		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/15/01	11/15/01	ND	10	ug/L	1:1
Methyl-tert-butyl-ether	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Di-isopropyl ether	11/15/01	11/15/01	ND	5.0	ug/L	1:1
Ethyl tert-butyl ether	11/15/01	11/15/01	ND	5.0	ug/L	1:1
Tertiaryamyl methylether	11/15/01	11/15/01	ND	5.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	56.9 ug/L	114 %	(76 - 135)

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172036	**Received**	11/08/01
Sample ID	Travel Blank	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Dichlorodifluoromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Vinyl chloride	11/15/01	11/15/01	ND	2.0	ug/L	1:
Bromomethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Trichlorofluoromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Acrolein	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:
Acetone	11/15/01	11/15/01	ND	2.0	ug/L	1:
Methyl iodide	11/15/01	11/15/01	ND	2.0	ug/L	1:
Carbon disulfide	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Dichloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Acrylonitrile	11/15/01	11/15/01	ND	2.0	ug/L	1:
trans-1,2-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1-Dichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Vinyl acetate	11/15/01	11/15/01	ND	2.0	ug/L	1:
cis-1,2-Dichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Butanone (MEK)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromochloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Chloroform	11/15/01	11/15/01	ND	2.0	ug/L	1:
2,2-dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,1-Trichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
1,1-dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Carbon tetrachloride	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Benzene	11/15/01	11/15/01	ND	2.0	ug/L	1:
1,2-Dichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Dibromomethane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Bromodichloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:
Trichloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:
2-Chloroethylvinyl ether	11/15/01	11/15/01	ND	2.0	ug/L	1:1
cis-1,3-Dichloropropene	11/15/01	11/15/01	ND	2.0	ug/L	1:

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172036	**Received**	11/08/01
Sample ID	Travel Blank	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	11/15/01	11/15/01	ND	2.0	ug/L	1:1
trans-1,3-Dichloropropene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,2-Trichloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Toluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dibromoethane (EDB)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3-Dichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Hexanone	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Dibromochloromethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Tetrachloroethene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Chlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Ethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
M+P-Xylene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromoform	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Styrene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
o-Xylene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,3-Trichloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Isopropylbenzene (Cumene)	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Bromobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
n-Propylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
2-Chlorotoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
4-Chlorotoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3,5-Trimethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
tert-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,4-Trimethylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
sec-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,3-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,4-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
4-Isopropyltoluene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2-Dichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
n-Butylbenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:1

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Workorder #	14172	**Sampled**	11/07/01
Laboratory ID	14172036	**Received**	11/08/01
Sample ID	Travel Blank	**Reported**	12/12/01
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
1,2-Dibromo-3-chloropropane	11/15/01	11/15/01	ND	2.0	ug/L	1:
1,2,4-Trichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:
Naphthalene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
Hexachlorobutadiene	11/15/01	11/15/01	ND	2.0	ug/L	1:1
1,2,3-Trichlorobenzene	11/15/01	11/15/01	ND	2.0	ug/L	1:

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	59.2 ug/L	118 %	(76 - 135)
Toluene d8	47.6 ug/L	95 %	(88 - 118)
4-Bromofluorobenzene	50.8 ug/L	102 %	(86 - 121)

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14172 **Workorder ID** S & GW Invest. #832661

Parameter TPHdiesel
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172001	B-3A-0	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172004	B-3A-5	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172006	B-3A-15	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172007	B-2A-0	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172009	B-2A-2	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172011	B-2A-5	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172013	B-2A-15	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172014	B-1A-0	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172016	B-1A-2	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172018	B-1A-5	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172019	B-1A-10	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172020	B-8-0	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1
172022	B-8-5	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172023	B-8-10	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172024	B-9-0	ND	1.0	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172026	B-9-2	ND	1.0	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172028	B-10-0	ND	1.0	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172030	B-10-2	ND	1.0	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172034	B-3A-2	ND	1.0	mg/Kg	11/07/01	11/26/01	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14172

Workorder ID S & GW Invest. #832661

Parameter TPHmotor oil
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172001	B-3A-0	ND	50	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172004	B-3A-5	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172006	B-3A-15	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172007	B-2A-0	ND	50	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172009	B-2A-2	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172011	B-2A-5	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172013	B-2A-15	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172014	B-1A-0	170	50	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172016	B-1A-2	93	50	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172018	B-1A-5	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172019	B-1A-10	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172020	B-8-0	ND	50	mg/Kg	11/07/01	11/26/01	Soil	1:1
14172022	B-8-5	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172023	B-8-10	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172024	B-9-0	ND	50	mg/Kg	11/07/01	11/13/01	Soil	1:1
14172026	B-9-2	ND	50	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172028	B-10-0	ND	50	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172030	B-10-2	63	50	mg/Kg	11/07/01	11/14/01	Soil	1:1
14172034	B-3A-2	ND	50	mg/Kg	11/07/01	11/26/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14172 **Workorder ID** S & GW Invest. #832661

Parameter TPHgas
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172001	B-3A-0	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1
14172004	B-3A-5	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172006	B-3A-15	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172007	B-2A-0	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1
14172009	B-2A-2	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172011	B-2A-5	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172013	B-2A-15	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172014	B-1A-0	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1
14172016	B-1A-2	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1
14172018	B-1A-5	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172019	B-1A-10	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172020	B-8-0	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1
14172022	B-8-5	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172023	B-8-10	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172024	B-9-0	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172026	B-9-2	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172028	B-10-0	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172030	B-10-2	ND	1.0	mg/Kg	11/07/01	11/09/01	Soil	1:1
14172034	B-3A-2	ND	1.0	mg/Kg	11/07/01	11/15/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14172 **Workorder ID** S & GW Invest. #832661

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172002	B-3A-1	8.2	0.10	units	11/07/01	11/15/01	Soil	1:1
14172008	B-2A-1	8.1	0.10	units	11/07/01	11/15/01	Soil	1:1
14172009	B-2A-2	6.8	0.10	units	11/07/01	11/08/01	Soil	1:1
14172015	B-1A-1	8.1	0.10	units	11/07/01	11/15/01	Soil	1:1
14172016	B-1A-2	8.1	0.10	units	11/07/01	11/15/01	Soil	1:1
14172025	B-9-1	7.2	0.10	units	11/07/01	11/08/01	Soil	1:1
14172026	B-9-2	7.0	0.10	units	11/07/01	11/08/01	Soil	1:1
14172028	B-10-0	7.3	0.10	units	11/07/01	11/15/01	Soil	1:1
14172031	B-10-3	6.9	0.10	units	11/07/01	11/08/01	Soil	1:1
14172034	B-3A-2	7.2	0.10	units	11/07/01	11/15/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14172 **Workorder ID** S & GW Invest. #832661

Parameter Mercury
Method EPA 7470A

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172035	B-1A	ND	0.00020	mg/L	11/07/01	11/09/01	Water	1:1

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Client ID IT Corporation
Workorder # 14172

Workorder ID S & GW Invest. #832661

Parameter pH
Method EPA 9040

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14172035	B-1A	6.8	0.1	units	11/07/01	11/08/01	Water	1:1

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WORKORDER DATA SHEET
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ID 14172 WO #14172 S & GW Invest. #832661 STATUS CO
DESC A1C/R1-1 - Paul

CREATED	11/08/01 01:13	PO	QA	TYPE CM	ACODE REPORT_WO
CLIENT	IT Corp. IT Corporation				
PROFILE	110 Standard Standard w/o Discount				

WORKORDER SAMPLES

1 **14172001** 14172001 B-3A-0
RP TYPE SAMPLE MATRIX Soil
COLLECTED 11/07/01 00:00 COMPLETED 12/12/01 09:02 DUE 11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10

2 **14172002** 14172002 B-3A-1
RP TYPE SAMPLE MATRIX Soil
COLLECTED 11/07/01 00:00 COMPLETED 11/22/01 10:31 DUE 11/22/01 17:00

Analyses		Turndays
9045 PH S	9045, PH, Soil	10

3 **14172003** 14172003 B-3A-3
RP TYPE SAMPLE MATRIX Soil
COLLECTED 11/07/01 00:00 COMPLETED 11/16/01 16:16 DUE 11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

4 **14172004** 14172004 B-3A-5
RP TYPE SAMPLE MATRIX Soil
COLLECTED 11/07/01 00:00 COMPLETED 12/05/01 13:28 DUE 11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

5 **14172005** 14172005 B-3A-10
CO TYPE SAMPLE MATRIX Soil
COLLECTED 11/07/01 00:00 COMPLETED 12/10/01 06:57 DUE 11/22/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

WORKORDER DATA SHEET
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6	**14172006**	14172006		B-3A-15		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

7	**14172007**	14172007		B-2A-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/12/01 09:02	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10

8	**14172008**	14172008		B-2A-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/22/01 10:31	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

9	**14172009**	14172009		B-2A-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
9045 PH S	9045, PH, Soil	10
6010S Pb	6010B Soil, Pb, Lead	10

10	**14172010**	14172010		B-2A-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/13/01 10:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

WORKORDER DATA SHEET
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11	**14172011**	14172011		B-2A-5		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

12	**14172012**	14172012		B-2A-10		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/10/01 06:58	DUE	11/22/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

13	**14172013**	14172013		B-2A-15		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

14	**14172014**	14172014		B-1A-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/12/01 09:02	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10

15	**14172015**	14172015		B-1A-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/22/01 10:31	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

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16	**14172016**	14172016		B-1A-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:51	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
9045 PH S	9045, PH, Soil	10
OXG/60S	8260B OXYGENATES SOIL	10

17	**14172017**	14172017		B-1A-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/16/01 16:16	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

18	**14172018**	14172018		B-1A-5		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

19	**14172019**	14172019		B-1A-10		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

20	**14172020**	14172020		B-8-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/12/01 09:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10

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21	**14172021**	14172021		B-8-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/16/01 16:16	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

22	**14172022**	14172022		B-8-5		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

23	**14172023**	14172023		B-8-10		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

24	**14172024**	14172024		B-9-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/12/01 09:13	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10
6010S Pb	6010B Soil, Pb, Lead	10

25	**14172025**	14172025		B-9-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/13/01 10:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

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26	**14172026**	14172026		B-9-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
9045 PH S	9045, PH, Soil	10
6010S Pb	6010B Soil, Pb, Lead	10

27	**14172027**	14172027		B-9-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/13/01 10:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

28	**14172028**	14172028		B-10-0		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/12/01 09:13	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8082 SOIL	8082 PCB's Soil	10
9045 PH S	9045, PH, Soil	10

29	**14172029**	14172029		B-10-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/13/01 10:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

30	**14172030**	14172030		B-10-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:28	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
OXG/60S	8260B OXYGENATES SOIL	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

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31	**14172031**	14172031		B-10-3		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	11/13/01 10:02	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

32	**14172032**	14172032		B-5A-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/10/01 06:58	DUE	11/22/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

33	**14172033**	14172033		B-4A-1		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/10/01 06:58	DUE	11/22/01 17:00

Analyses		Turndays
HOLD	Sample(s) on Hold	10

34	**14172034**	14172034		B-3A-2		
	CO	TYPE SAMPLE			MATRIX	Soil
	COLLECTED	11/07/01 00:00	COMPLETED	12/05/01 13:51	DUE	11/22/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10
9045 PH S	9045, PH, Soil	10
OXG/60S	8260B OXYGENATES SOIL	10

35	**14172035**	14172035		B-1A		
	CO	TYPE SAMPLE			MATRIX	Water
	COLLECTED	11/07/01 00:00	COMPLETED	12/06/01 09:01	DUE	11/22/01 17:00

Analyses		Turndays
8260 WATR	8260B GCMS VOLATILES WATR	10
OXG/60W	8260B OXYGENATES WATR	10
9040	9040, pH, Water	10
CAM16WATR	6010B ELEMENTS CAM16 WATER	10

WORKORDER DATA SHEET
Dec 12, 2001 18:50

36	**14172036**	14172036		Travel Blank		
	CO	TYPE SAMPLE			MATRIX	Water
	COLLECTED	11/07/01 00:00	COMPLETED	12/06/01 09:01	DUE	11/22/01 17:00

Analyses		Turndays
8260 WATR	8260B GCMS VOLATILES WATR	10
OXG/60W	8260B OXYGENATES WATR	10

SPARGER TECHNOLOGY, INC. AIC/RI-1

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23744

Page 1 **of** 5

STAL Invoice Number: [redacted]

Company: IT Corp

Phone: (916) 565-4186

Project Manager: Don Bransford

FAX: (916) 928-3341

Report Address: 1326 N. Market Blvd Sacramento, CA 95834

Billing Name & Address:

Project Name: Soil & GW Investigation

Project/Job#: 832661

Project Location: I580 Livermore, CA

P.O.#:

ANALYSIS REQUEST

REMARKS: B-3A-15 GW1 Groundwater Interface

PLEASE HOLD: B-3A-0 to 3, BA-3-10, B-2A0, B-2A-1

Sampler's Name: NICK LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

NO.	SAMPLE ID	Date	Time	40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	HCl/HNO3/ICE	None	Other:	Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S) 8082	EPA 624/8240/524.2/8260 B Fuel Oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCM 8260B VOC	pH 9040/9045	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-3A-0	11/7/01	0924		X				X				X		NO		X	X				X										X	X	HOLD	
2	B-3A-1		0927		X				X				X		NO														X			X		HOLD	
3	B-3A-3		0935		X				X				X		NO																	X		HOLD	
4	B-3A-5		0940		X				X				X				X	X					X					X							
5	B-3A-10		0945		X				X				X																					HOLD	
6	B-3A-15 GW1		0950		X				X				X				X	X					X					X							
7	~~B-3A-20~~		~~0955~~		X				X				X																					HOLD	
8	~~B-3A-25~~		~~0958~~		X				X				X																					HOLD	
9	B-2A-0		1021		X				X				X		NO		X	X				X										X		HOLD	
10	B-2A-1		1027		X				X				X		NO														X			X		HOLD	

Relinquished by: [signature] Date: 11/8/01 Time: 1115

Received by: [signature] Date: 11/8/01 Time: 1145

Relinquished by: Date: Time:

Received by: Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

DEFINITIONS

1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

5 "Results" means either data generated by Sparger from the analysis of one of more samples or the work product generated by Sparger in the performance of consulting services

6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

ORDERS

1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250

PAYMENT TERMS

1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work

2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

2 Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures

4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures

6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Conditions, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

A1C/R1-1

CHAIN OF CUSTODY RECORD

C.O.C. No. 23745

Page 2 **of** 5

STAL Invoice Number: 14172

Company: IT Corp
Phone: (916) 928-3300
Project Manager: Don Bransford
FAX: (916) 928-3341
Report Address: 1326 N. Market Blvd Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 832661
Project Location: I580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: B-2A-15 GW1 Groundwater Interface
Please Hold: B-2A-10, B-1A-0 to 3

Sampler's Name: NLABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Date	Time	40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	HCl/HNO3/ICE	None	Other:	Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene (8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S) 8082	EPA 624/8240/524.2/8260B Tuel Oxy	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	Rich VOC 8260B	pH 9040/9045	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-2A-2	11/7/01	1030		X				X				X				X	X					X					X	X			X	X		
2	B-2A-3		1032		X				X				X																			X			
3	B-2A-5		1037		X				X				X				X	X					X					X							
4	B-2A-10		1043		X				X				X																					HOLD	
5	B-2A-15 GW1		1050		X				X				X				X	X					X					X							
6	B-1A-0		1115		X				X				X				X	X				X							X			X		HOLD	
7	B-1A-1		1117		X				X				X		NO																	X		HOLD	
8	B-1A-2		1122		X				X				X		NO		X	X					X					X				X		HOLD	
9	B-1A-3		1130		X				X				X		NO														X			X		HOLD	
10	B-1A-5		1153		X				X				X				X	X					X					X							

Relinquished by: [signature]
Date: 11/8/01 Time: 1115

Received by: [signature]
Date: 11/8/01 Time: 11:43

Relinquished by:
Date: Time:

Received by:
Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

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Sparger reserves the absolute right, excercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies

Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

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5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827

AIC / RI-1
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23746
Page 3 **of** 5
STAL Invoice Number: 14172

Company: IT Corp
Phone: (916) 565-4186
Project Manager:
FAX: (916) 928-3341
Report Address: B26 N. Market Blvd, Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 8326
Project Location: I 580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: B-8-0 HOLD
B-8-3 HOLD
B-1A-10 GW1 Groundwater Interface
B-8-10 GW1

Sampler's Name: NICK LABEDZKY (N)

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX (TPHgas 602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	~~HCl~~ VOC 8260B	PH 9040/9045	Total: CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010		TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-1A-10 GW1	11/7/01	1202		X				X				X				X	X					X					X						X		
~~NO~~	~~B-1A-15~~		~~1210~~		~~X~~				~~X~~				~~X~~																				(N)	~~HOLD~~	
~~NO~~	~~B-1A-20~~		~~1222~~		~~X~~				~~X~~				~~X~~																				(N)	~~HOLD~~	
~~NO~~	~~B-1A-25~~		~~1240~~		~~X~~				~~X~~				~~X~~																				(N)	~~HOLD~~	
5	B-8-0		1355		X				X				X				X	X					X					X				X		No	HOLD	
6	B-8-3		1406		X				X				X																			X		No	HOLD	
7	B-8-5		1416		X				X				X				X	X					X					X								
8	B-8-10 GW1		1432		X				X				X				X	X					X					X								
9	B-9-0		1541		X				X				X				X	X				X														
10	B-9-1		1543		X				X				X																X			X				

Relinquished by: [signature]
Date: 11/8/01 Time: 1115

Received by: [signature]
Date: 11/8/01 Time: 11:45

Relinquished by:
Date: Time:

Received by:
Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

DEFINITIONS

1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

ORDERS

1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis.

2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

PAYMENT TERMS

1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

2 Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client.

3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed.

5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results.

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control.

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results.

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger.

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver.

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client.

8. GOVERNING LAW

8.1 These Terms and Conditions, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed.

SPARGER TECHNOLOGY, INC. AIC / R1-1

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23748

Page 4 of 5

STAL Invoice Number: 14172

Company: IT corp
Phone: (916) 928-3341
Project Manager: Don Bromsford
FAX: (916) 928-3300
Report Address: 1326 N. Market Blvd, Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 832661
Project Location: I580 Livermore, CA
P.O.#:

ANALYSIS REQUEST

REMARKS: Please Hold! B-5A-2, B-4A-1, B-3A-2

Sampler's Name: Nick LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

Total

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S) 8082	EPA 624/8240/524.2/8260B Full Qty	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCL VOC 8260B	PH 9040/9045	Total: CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-9-2	11/7/01	1551		X				X				X				X	X					X					X	X			X	X			
2	B-9-3		1555		X				X				X																			X				
3	B-10-0		1605		X				X				X				X	X				X										X				
4	B-10-1		1606		X				X				X																			X				
5	B-10-2		1612		X				X				X				X	X					X					X				X				
6	B-10-3		1615		X				X				X																X			X				
7	B-5A-2		1645		X				X				X		NO	(NA)	X	X					X					X	X			X		HOLD		
8	B-4A-1		1652		X				X				X		NO	NA																X		HOLD		
9	B-3A-2		1700		X				X				X																			X		HOLD		
10																																				

Relinquished by:	Received by:	Relinquished by:	Received by:
Date: 11/8/01 Time: 1115	Date: 11/8/01 Time: 11:45	Date: Time:	Date: Time:

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5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

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6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

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7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client.

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SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

AIC / RI-1

CHAIN OF CUSTODY RECORD

C.O.C. No. 23747

Page 5 **of** 5

STAL Invoice Number: 14172

Company: IT Corp
Phone: (916) 565-4186
Project Manager: Don Bransford
FAX: (916) 928-3341
Report Address: 1326 N. Market Blvd, Sacramento, CA 95834
Billing Name & Address:
Project Name: Soil & GW Investigation
Project/Job#: 83266
Project Location: I580 Livermore CA
P.O.#:

ANALYSIS REQUEST

REMARKS: * Filter then Preserve w/ HNO_3

Sampler's Name: Nick LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)

TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic Unpreserved*	Other:	Preservative Used HCl/HNO3/ICE	None	Other:	Matrix Water	Soil	Air	Other:	TCLP BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260 B Fuel Oxy & VOCs	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	pH 9040/9045	Total CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Title 22 metals 6010/7421	TAT Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B-1A	11/7/01	1235	6		2	2		X			X											X						X				X	X		
2	TRAVELBLANK	11	0600	2					X			X											X											X		
3																																				
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Date: 11/8/01 Time: 1115	Date: 11/8/01 Time: 11:45	Date: Time:	Date: Time:

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CEIPT OF SAMPLES AND DELIVERY OF SERVICES

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Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

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At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 6

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5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

To: Sparger Technology
Attn: Jennifer
From: Skye Hatten, IT Corp
Date: 11/14/01

RECEIVING

12 11/14/01

Please take the indicated samples off of hold and run the analyses requested.

INVOICE NUMBERS 14172 & 14169

Boring Number	Sample Depth (m)	Sample Depth (ft)	6010 Lead	6010/7421 Title 22 Metals	8015m TPHg	8015m TPHd	8015m TPHo	8082 PCBs	8260B VOCs	8260B Fuel Oxygenates	9040/9045 pH
WO # 14172											
B-1A	0	0			X	X	X	X			
	0.3	1	X								X
	0.6	2	X		X	X	X		X	X	X
	0.9	3	X								
B-2A	0	0			X	X	X	X			
	0.3	1	X								X
B-3A	0	0			X	X	X	X			
	0.3	1									X
	0.6	2	X		X	X	X		X	X	X
	0.9	3	X								
WO # 14169			6		5	5	5	3	2	2	5
B-4A	0	0			X	X	X	X			
B-5A	0	0			X	X	X	X			
	0.6	2			X	X	X		X	X	
B-6A	0	0			X	X	X	X			
	0.6	2	X		X	X	X		X	X	
	0.9	3	X								
B-7A	0	0			X	X	X	X			
	0.3	1									
	0.6	2	X		X	X	X		X	X	
	0.9	3	X								X
B-8	0	0	X		X	X	X	X			
	0.9	3	X								

WO # ~~17~~ 14172 DB

18

.6AM:IT/EMCON SPARGER ;916 928 3341 # 2/ 3

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14188 Soil & GW Invest. / 832661
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

2050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14188

Workorder ID Soil & GW Invest. / 832661

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14188001	B1-0	7.3	0.10	units	11/13/01	11/19/01	Soil	1:1
14188004	B3-1	7.5	0.10	units	11/13/01	11/19/01	Soil	1:1
14188005	B4-0	7.3	0.10	units	11/13/01	11/19/01	Soil	1:1
14188008	B4-3	8.0	0.10	units	11/13/01	11/19/01	Soil	1:1
14188010	B5-1	7.5	0.10	units	11/13/01	11/19/01	Soil	1:1
14188011	B5-2	7.2	0.10	units	11/13/01	11/19/01	Soil	1:1
14188013	B6-1	7.7	0.10	units	11/13/01	11/19/01	Soil	1:1
14188014	B7-0	6.9	0.10	units	11/13/01	11/19/01	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14188 **Workorder ID** Soil & GW Invest. / 832661

Parameter Lead
Method 6010B

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14188001	B1-0	8.02	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188002	B2-0	174	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188003	B3-0	37.5	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188004	B3-1	5.72	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188005	B4-0	17.7	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188006	B4-1	13.8	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188007	B4-2	13.7	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188008	B4-3	7.64	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188009	B5-0	33.9	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188010	B5-1	15.1	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188011	B5-2	6.59	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188012	B6-0	22.5	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188013	B6-1	6.83	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188014	B7-0	13.1	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1
14188015	B7-1	16.5	1.0	mg/Kg	11/13/01	11/15/01	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Method Blank Report

Client ID	IT Corporation
Workorder ID	Soil & GW Invest. / 832661
Laboratory ID	34885
Sample ID	MB for HBN 100437 [ICPV/3082]
Matrix	Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	6010B	11/15/01	11/15/01	ND	1.0	mg/Kg	1:1

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

WORKORDER DATA SHEET
Nov 16, 2001 11:18

ID 14188 WO #14188 Soil & GW Invest. / 832661 STATUS WP
DESC A1C DF

CREATED	11/16/01 10:10 PO	QA	TYPE CM	ACODE REPORT_WO
CLIENT	IT Corp. IT Corporation			
PROFILE	2610 One Analyte Many Samples per Page			

WORKORDER SAMPLES

1 **14188001** 14188001 B1-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

2 **14188002** 14188002 B2-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

3 **14188003** 14188003 B3-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

4 **14188004** 14188004 B3-1
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

5 **14188005** 14188005 B4-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

WORKORDER DATA SHEET
Nov 16, 2001 11:18

6	**14188006**	14188006	B4-1		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

7	**14188007**	14188007	B4-2		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

8	**14188008**	14188008	B4-3		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

9	**14188009**	14188009	B5-0		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

10	**14188010**	14188010	B5-1		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

11	**14188011**	14188011	B5-2		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

WORKORDER DATA SHEET
Nov 16, 2001 11:18

12	**14188012**	14188012	B6-0		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

13	**14188013**	14188013	B6-1		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

14	**14188014**	14188014	B7-0		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10
9045 PH S	9045, PH, Soil	10

15	**14188015**	14188015	B7-1		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/13/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
6010S Pb	6010B Soil, Pb, Lead	10

SPARGER TECHNOLOGY, INC. A/C

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23750

Page 2 **of** 2

STAL Invoice Number:

Company: IT Corp

Phone: (916) 565-4186

Project Manager: Don Bransford

FAX: (916) 928-3341

Report Address:
1326 N. Market
Sacramento, CA 95834

Billing Name & Address:

Project Name: Soil & GW Investigation

Project/Job#: 832661

Project Location: I580 Livermore, CA

P.O.#:

ANALYSIS REQUEST

REMARKS:

Sampler's Name: N. LABEDZKI

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)

TCLP

Total

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B4-3	11/13/01	1452		X				X				X																		X	X		
2	B5-0		1520																																
3	B5-1		1535																																
4	B5-2		1550																																
5	B6-0		1610																																
6	B6-1		1615																																
7	B7-0		1620																																
8	B7-1		1630																																
9																																			
10																																			

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11/13/01	1905	[signature]	11/13/01	1905

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11/14/01	1330	[signature]	11/14/01	13:30

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

INITIONS

"Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

"Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

"Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

"Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

"Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

"Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

DERS

The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

MENT TERMS

Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice The Client should confirm with Sparger the current price prior to placing an order for work

Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required

EIPT OF SAMPLES AND DELIVERY OF SERVICES

Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

Sparger reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client.

Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies

Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way

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5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

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7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions Sparger shall not be deemed to have amended or waived any provision, term or condition or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

SPARGER TECHNOLOGY, INC. AIC

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 23749

Page 1 **of** 2

STAL Invoice Number:

Company: IT Corp. Phone: (916) 565-4186

Project Manager: Don Bransford FAX: (916) 928-3341

Report Address: 1326 N. Market Blvd

Billing Name & Address:

Project Name: Soil & GW Investigation Project/Job#: 832661

Project Location: 1580 Livermore, CA P.O.#:

ANALYSIS REQUEST

REMARKS:

Sampler's Name: N. LABEDEKI

		All OK	None OK	Some OK
Cooler Temp.	°C	✓		
Sample Condition		✓		
pH				

WET(STLC)

TCLP

Total

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead 6010	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	B1-0	11/13/01	0915		X				X				X																		X	X			
2																																			
3																																			
4																																			
5	B2-0		0950																																
6	B3-0		1045																																
7	B3-1		1100																																
8	B4-0		1420																																
9	B4-1		1425																																
10	B4-2		1440																																

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	Shyn Hatten	Shyn Hatten	[signature]
Date: 11/13/01 Time: 1905	Date: 11/13/01 Time: 1905	Date: 11/14/01 Time: 1330	Date: 11/14/01 Time: 13:30

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

. DEFINITIONS

.1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

.2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

.3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

.4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

.5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

. ORDERS

1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

PAYMENT TERMS

1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

2 Sparger reserves the absolute right, excercissable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client

3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client analytical turnaround times are not guaranteed

5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5

6. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary Any reanalysis generating Results consistent with the original Results will be at the Client's expense Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

To: Sparger Technology
Attn: Jennifer
From: Skye Hatten, IT Corp
Date: 11/16/01

Please run pH analysis on the indicated samples. Standard turn around time. The COC for these samples were submitted on 11/14/01.

INVOICE NUMBER **14188**

Sparger Sample ID	Boring Number	Sample Depth (m)	Sample Depth (ft)	9040/9045 pH
14188001	B-1	0	0	X
		0.3	1	
		0.6	2	
		0.9	3	
		1.5	5	
		GWI	GWI	
		GW	GW	
	B-3	0	0	
14188004		0.3	1	X
		0.6	2	
		0.9	3	
		1.5	5	
		GWI	GWI	
14188005	B-4	0	0	X
		0.3	1	
		0.6	2	
14188008		0.9	3	X
		1.5	5	
		GWI	GWI	
		GW	GW	
	B-5	0	0	
14188010		0.3	1	X
14188011		0.6	2	X
		0.9	3	
		1.5	5	
		GWI	GWI	
	B-6	0	0	
14188013		0.3	1	X
		0.6	2	
		0.9	3	
		1.5	5	
		GWI	GWI	
14188014	B-7	0	0	X
		0.3	1	
		0.6	2	
		0.9	3	
		1.5	5	
		GWI	GWI	
		GW	GW	
14172028	B-10	0	0	X This sample is on invoice # 14172, sample 28
		0.3	1	
		0.6	2	
		0.9	3	
		1.5	5	
		GWI	GWI	
		GW	GW	

RECEIVING

11/16/01 10:20 JK

RECEIVED

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14190 Soil & GW Invest / 832661
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190001	**Received**	11/14/01
Sample ID	B-10-5.5	**Reported**	12/04/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Tertiary butanol	11/19/01	11/19/01	ND	10	ug/kg	1:1
Methyl-tert-butyl-ether	11/19/01	11/19/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/19/01	11/19/01	ND	5.0	ug/kg	1:
Ethyl tert-butyl ether	11/19/01	11/19/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/19/01	11/19/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	55.4 ug/kg	111 %	(76 - 135)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
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Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190001	**Received**	11/14/01
Sample ID	B-10-5.5	**Reported**	12/04/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromomethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acrolein	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acetone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloroform	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Benzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190001	**Received**	11/14/01
Sample ID	B-10-5.5	**Reported**	12/04/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutic
4-Methyl-2-pentanone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Toluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromoform	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Styrene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
o-Xylene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190001	**Received**	11/14/01
Sample ID	B-10-5.5	**Reported**	12/04/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Naphthalene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	58 ug/kg	116 %	(76 - 130)
Toluene d8	51.6 ug/kg	103 %	(88 - 118)
4-Bromofluorobenzene	45.9 ug/kg	92 %	(86 - 121)

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190002	**Received**	11/14/01
Sample ID	B-9-5B	**Reported**	12/04/01
Matrix	Soil		

8260B Oxygenates - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutic
Tertiary butanol	11/19/01	11/19/01	ND	10	ug/kg	1:
Methyl-tert-butyl-ether	11/19/01	11/19/01	ND	2.0	ug/kg	1:
Di-isopropyl ether	11/19/01	11/19/01	ND	5.0	ug/kg	1:1
Ethyl tert-butyl ether	11/19/01	11/19/01	ND	5.0	ug/kg	1:1
Tertiaryamyl methylether	11/19/01	11/19/01	ND	5.0	ug/kg	1:

Surrogates	Result	Recovery	Limits
Dibromodifluoromethane	56.5 ug/kg	113 %	(76 - 135)

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Sparger Technology, Inc.
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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14190
Laboratory ID 14190002
Sample ID B-9-5B
Matrix Soil

Workorder ID Soil & GW Invest / 832661
Sampled 11/05/01
Received 11/14/01
Reported 12/04/01

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Vinyl chloride	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromomethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acrolein	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acetone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Methyl iodide	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Carbon disulfide	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dichloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Acrylonitrile	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Vinyl acetate	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Butanone (MEK)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromochloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chloroform	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2,2-dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1-dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Carbon tetrachloride	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Benzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dibromomethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromodichloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Trichloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190002	**Received**	11/14/01
Sample ID	B-9-5B	**Reported**	12/04/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilutic
4-Methyl-2-pentanone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Toluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dibromoethane (EDB)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Hexanone	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Dibromochloromethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Tetrachloroethene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Chlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Ethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
M+P-Xylene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromoform	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Styrene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
o-Xylene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Isopropylbenzene (Cumene)	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Bromobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
n-Propylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
2-Chlorotoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
4-Chlorotoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
tert-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
sec-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
n-Butylbenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	Soil & GW Invest / 832661
Workorder #	14190	**Sampled**	11/05/01
Laboratory ID	14190002	**Received**	11/14/01
Sample ID	B-9-5B	**Reported**	12/04/01
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Naphthalene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	11/19/01	11/19/01	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	62.5 ug/kg	125 %	(76 - 130)
Toluene d8	52.9 ug/kg	106 %	(88 - 118)
4-Bromofluorobenzene	48.4 ug/kg	97 %	(86 - 121)

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14190

Workorder ID Soil & GW Invest / 832661

Parameter TPHdiesel
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14190001	B-10-5.5	ND	1.0	mg/Kg	11/05/01	11/26/01	Soil	1:1
14190002	B-9-5B	ND	1.0	mg/Kg	11/05/01	11/26/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14190 **Workorder ID** Soil & GW Invest / 832661

Parameter TPHmotor oil
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14190001	B-10-5.5	ND	50	mg/Kg	11/05/01	11/26/01	Soil	1:1
14190002	B-9-5B	ND	50	mg/Kg	11/05/01	11/26/01	Soil	1:1

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Test Certificate of Analysis

Client ID IT Corporation
Workorder # 14190 **Workorder ID** Soil & GW Invest / 832661

Parameter TPHgas
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
14190001	B-10-5.5	ND	1.0	mg/Kg	11/05/01	11/15/01	Soil	1:1
14190002	B-9-5B	ND	1.0	mg/Kg	11/05/01	11/15/01	Soil	1:1

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WORKORDER DATA SHEET
Nov 16, 2001 11:15

ID	14190	WO #14190	Soil & GW Invest / 832661		STATUS WP
DESC	A1C DF				
	CREATED	11/16/01 10:27 PO	QA	TYPE CM	ACODE REPORT_WO
	CLIENT	IT Corp. IT Corporation			
	PROFILE	110 Standard Standard w/o Discount			

WORKORDER SAMPLES

1	**14190001**	14190001	B-10-5.5		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/05/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

2	**14190002**	14190002	B-9-5B		
	WP	TYPE SAMPLE		MATRIX	Soil
	COLLECTED	11/05/01 00:00		DUE	11/28/01 17:00

Analyses		Turndays
8015M_G S	TPH Gas SOIL	10
TPH DM S	TPHdiesel/motor oil S	10
8260 SOIL	8260B GCMS VOLATILES SOIL	10

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Don Bransford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95834

Client	IT Corporation
Workorder	14283 832661 Soil & GW Invest.
Received	

Service Date: 01/20/02

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661 Soil & GW Invest.
Workorder #	14283	**Sampled**	11/13/01
Laboratory ID	14283001	**Received**	12/17/01
Sample ID	B2-0	**Reported**	12/27/01
Matrix	Soil		

STLC Metals - 6010B STLC

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut n
Lead	12/20/01	12/20/01	7.61	0.050	mg/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661 Soil & GW Invest.
Workorder #	14283	**Sampled**	11/13/01
Laboratory ID	14283002	**Received**	12/17/01
Sample ID	B-1A-2	**Reported**	12/27/01
Matrix	Soil		

STLC Metals - 6010B STLC

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	12/20/01	12/20/01	1.42	0.050	mg/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661 Soil & GW Invest.
Workorder #	14283	**Sampled**	11/13/01
Laboratory ID	14283003	**Received**	12/17/01
Sample ID	B-8-0	**Reported**	12/27/01
Matrix	Soil		

STLC Metals - 6010B STLC

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Lead	12/20/01	12/20/01	2.21	0.050	mg/L	1:1

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Test Certificate of Analysis

Client ID	IT Corporation	**Workorder ID**	832661 Soil & GW Invest.
Workorder #	14283	**Sampled**	11/13/01
Laboratory ID	14283004	**Received**	12/17/01
Sample ID	B-10-2	**Reported**	12/27/01
Matrix	Soil		

STLC Metals - 6010B STLC

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	12/20/01	12/20/01	3.10	0.050	mg/L	1:1

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Method Blank Report

Client ID	IT Corporation
Workorder ID	832661 Soil & GW Invest.
Laboratory ID	36544
Sample ID	MB for HBN 110391 [ICPV/3176]
Matrix	STLC Leachate

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Lead	6010B STLC	12/20/01	12/20/01	ND	0.050	mg/L	1:1

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WORKORDER DATA SHEET
Dec 17, 2001 13:39

ID 14283 WO #14283 832661 Soil & GW Invest. STATUS WP
DESC A1C JR From WO#'s 14188 & 14172

CREATED	12/17/01 01:33 PO	QA	TYPE CM	ACODE REPORT_WO
CLIENT	IT Corp. IT Corporation			
PROFILE	110 Standard Standard w/o Discount			

WORKORDER SAMPLES

1 **14283001** 14283001 B2-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 12/31/01 17:00

Analyses		Turndays
6010C Pb	6010B STLC, Pb, Lead	10

2 **14283002** 14283002 B-1A-2
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 12/31/01 17:00

Analyses		Turndays
6010C Pb	6010B STLC, Pb, Lead	10

3 **14283003** 14283003 B-8-0
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 12/31/01 17:00

Analyses		Turndays
6010C Pb	6010B STLC, Pb, Lead	10

4 **14283004** 14283004 B-10-2
WP TYPE SAMPLE MATRIX Soil
COLLECTED 11/13/01 00:00 DUE 12/31/01 17:00

Analyses		Turndays
6010C Pb	6010B STLC, Pb, Lead	10

the i group

1326 N. Market Boulevard
Sacramento, California 95834-1912

PHONE: 916/928-3300
FAX: 916/928-3341

FAX TRANSMITTAL

To:	Company	Fax No.	Telephone No.
Dawn	Sperger		

From: Don Bransford

Project No.:

Date: 12/14/01

Total No. of Pages: 1

Subject: WET Request

☐ URGENT ☐ FOR REVIEW ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Notes/Comments:

Please run WET lead standard T/A

14198-002 B-2-0

14172-016 B-1A-2

-020 B-8-0

-030 B-10-2

RECEIVING

12/17/01 11:00 Am

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APPENDIX E
STATISTICAL ANALYSIS

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-1A-5B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69237.

EVALUATION FOR SOIL CORROSION

Soil pH	6.64	
Minimum Resistivity	1.07 ohm-cm (x1000)	
Chloride	57.1 ppm	00.00571 %
Sulfate	78.4 ppm	00.00784 %

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-1A-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69238.

EVALUATION FOR SOIL CORROSION

Soil pH	7.35		
Minimum Resistivity	2.14	ohm-cm (x1000)	
Chloride	16.6 ppm	00.00166	%
Sulfate	19.4 ppm	00.00194	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-1A-15M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69239.

EVALUATION FOR SOIL CORROSION

Soil pH	7.38		
Minimum Resistivity	1.39	ohm-cm (x1000)	
Chloride	56.3 ppm	00.00563	%
Sulfate	14.6 ppm	00.00146	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-1A-20M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69240.

EVALUATION FOR SOIL CORROSION

Soil pH	7.24		
Minimum Resistivity	1.06	ohm-cm (x1000)	
Chloride	27.0 ppm	00.00270	%
Sulfate	30.7 ppm	00.00307	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-1A-25M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69241.

EVALUATION FOR SOIL CORROSION

Soil pH	7.68		
Minimum Resistivity	1.02	ohm-cm (x1000)	
Chloride	57.3 ppm	00.00573	%
Sulfate	38.8 ppm	00.00388	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-3A-5M.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69242.

EVALUATION FOR SOIL CORROSION

Soil pH	7.72		
Minimum Resistivity	0.62	ohm-cm (x1000)	
Chloride	76.0 ppm	00.00760	%
Sulfate	82.3 ppm	00.00823	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
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From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-3A-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69243.

EVALUATION FOR SOIL CORROSION

Soil pH	7.41		
Minimum Resistivity	0.83	ohm-cm (x1000)	
Chloride	178.7 ppm	00.01787	%
Sulfate	39.8 ppm	00.00398	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-3A-15B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69244.

EVALUATION FOR SOIL CORROSION

Soil pH	7.40		
Minimum Resistivity	0.99	ohm-cm (x1000)	
Chloride	67.8 ppm	00.00678	%
Sulfate	14.0 ppm	00.00140	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-3A-20M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69245.

EVALUATION FOR SOIL CORROSION

Soil pH	7.51	
Minimum Resistivity	1.77 ohm-cm (x1000)	
Chloride	35.9 ppm	00.00359 %
Sulfate	22.3 ppm	00.00223 %

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-3A-25M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69246.

EVALUATION FOR SOIL CORROSION

Soil pH	7.55		
Minimum Resistivity	1.15	ohm-cm (x1000)	
Chloride	37.3 ppm	00.00373	%
Sulfate	32.8 ppm	00.00328	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-5A-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69247.

EVALUATION FOR SOIL CORROSION

Soil pH	7.43		
Minimum Resistivity	1.13	ohm-cm (x1000)	
Chloride	43.0 ppm	00.00430	%
Sulfate	29.7 ppm	00.00297	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
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(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-5A-15B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36248-69248.

EVALUATION FOR SOIL CORROSION

Soil pH	7.52		
Minimum Resistivity	1.02	ohm-cm (x1000)	
Chloride	35.4 ppm	00.00354	%
Sulfate	33.5 ppm	00.00335	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-5A-20B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69249.

EVALUATION FOR SOIL CORROSION

Soil pH	7.38		
Minimum Resistivity	1.47	ohm-cm (x1000)	
Chloride	25.0 ppm	00.00250	%
Sulfate	23.5 ppm	00.00235	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-5A-25B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69250.

EVALUATION FOR SOIL CORROSION

Soil pH	7.51		
Minimum Resistivity	1.23	ohm-cm (x1000)	
Chloride	33.8 ppm	00.00338	%
Sulfate	20.6 ppm	00.00206	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-7A-5B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69251.

EVALUATION FOR SOIL CORROSION

Soil pH	8.03		
Minimum Resistivity	0.75	ohm-cm (x1000)	
Chloride	45.4 ppm	00.00454	%
Sulfate	64.9 ppm	00.00649	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-7A-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69252.

EVALUATION FOR SOIL CORROSION

Soil pH	7.79		
Minimum Resistivity	0.91	ohm-cm (x1000)	
Chloride	30.7 ppm	00.00307	%
Sulfate	49.2 ppm	00.00492	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-7A-15B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69253.

EVALUATION FOR SOIL CORROSION

Soil pH	7.56		
Minimum Resistivity	1.45	ohm-cm (x1000)	
Chloride	22.4 ppm	00.00224	%
Sulfate	14.9 ppm	00.00149	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-25B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69255.

EVALUATION FOR SOIL CORROSION

Soil pH	7.79		
Minimum Resistivity	1.18	ohm-cm (x1000)	
Chloride	28.1 ppm	00.00281	%
Sulfate	17.4 ppm	00.00174	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager RH

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-5M.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69256.

EVALUATION FOR SOIL CORROSION

Soil pH	7.18		
Minimum Resistivity	0.88	ohm-cm (x1000)	
Chloride	48.9 ppm	00.00489	%
Sulfate	13.4 ppm	00.00134	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69257.

EVALUATION FOR SOIL CORROSION

Soil pH	7.47	
Minimum Resistivity	0.87 ohm-cm (x1000)	
Chloride	75.6 ppm	00.00756 %
Sulfate	15.0 ppm	00.00150 %

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-15M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69258.

EVALUATION FOR SOIL CORROSION

Soil pH	7.62		
Minimum Resistivity	0.72	ohm-cm (x1000)	
Chloride	93.1 ppm	00.00931	%
Sulfate	25.6 ppm	00.00256	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-20M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69259.

EVALUATION FOR SOIL CORROSION

Soil pH	7.68		
Minimum Resistivity	1.15	ohm-cm (x1000)	
Chloride	57.6 ppm	00.00576	%
Sulfate	20.4 ppm	00.00204	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-9-25B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36249-69260.

EVALUATION FOR SOIL CORROSION

Soil pH	7.60	
Minimum Resistivity	0.91 ohm-cm (x1000)	
Chloride	106.5 ppm	00.01065 %
Sulfate	22.4 ppm	00.00224 %

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-10-5B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36250-69261.

EVALUATION FOR SOIL CORROSION

Soil pH	7.48	
Minimum Resistivity	1.77 ohm-cm (x1000)	
Chloride	39.1 ppm	00.00391 %
Sulfate	19.3 ppm	00.00193 %

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-10-10B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36250-69262.

EVALUATION FOR SOIL CORROSION

Soil pH	7.71		
Minimum Resistivity	0.94	ohm-cm (x1000)	
Chloride	63.8 ppm	00.00638	%
Sulfate	31.3 ppm	00.00313	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-10-20M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36250-69263.

EVALUATION FOR SOIL CORROSION

Soil pH	7.46		
Minimum Resistivity	1.23	ohm-cm (x1000)	
Chloride	45.5 ppm	00.00455	%
Sulfate	18.8 ppm	00.00188	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

11353 Pyrites Way, Suite 4
Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

The reported analysis was requested for the following location:
Location : 832661 Site ID : B-10-25M/B.
Your purchase order number is 832661.
Thank you for your business.

* For future reference to this analysis please use SUN # 36250-69264.

EVALUATION FOR SOIL CORROSION

Soil pH	7.87		
Minimum Resistivity	1.29	ohm-cm (x1000)	
Chloride	54.2 ppm	00.00542	%
Sulfate	20.8 ppm	00.00208	%

METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422

Sunland Analytical

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Rancho Cordova, CA 95670
(916) 852-8557

Date Reported 11/21/2001
Date Submitted 11/15/2001

To: Dan Bradford
IT Corporation
1326 N. Market Blvd.
Sacramento, CA 95682

From: Gene Oliphant, Ph.D. \ Randy Horney
General Manager \ Lab Manager

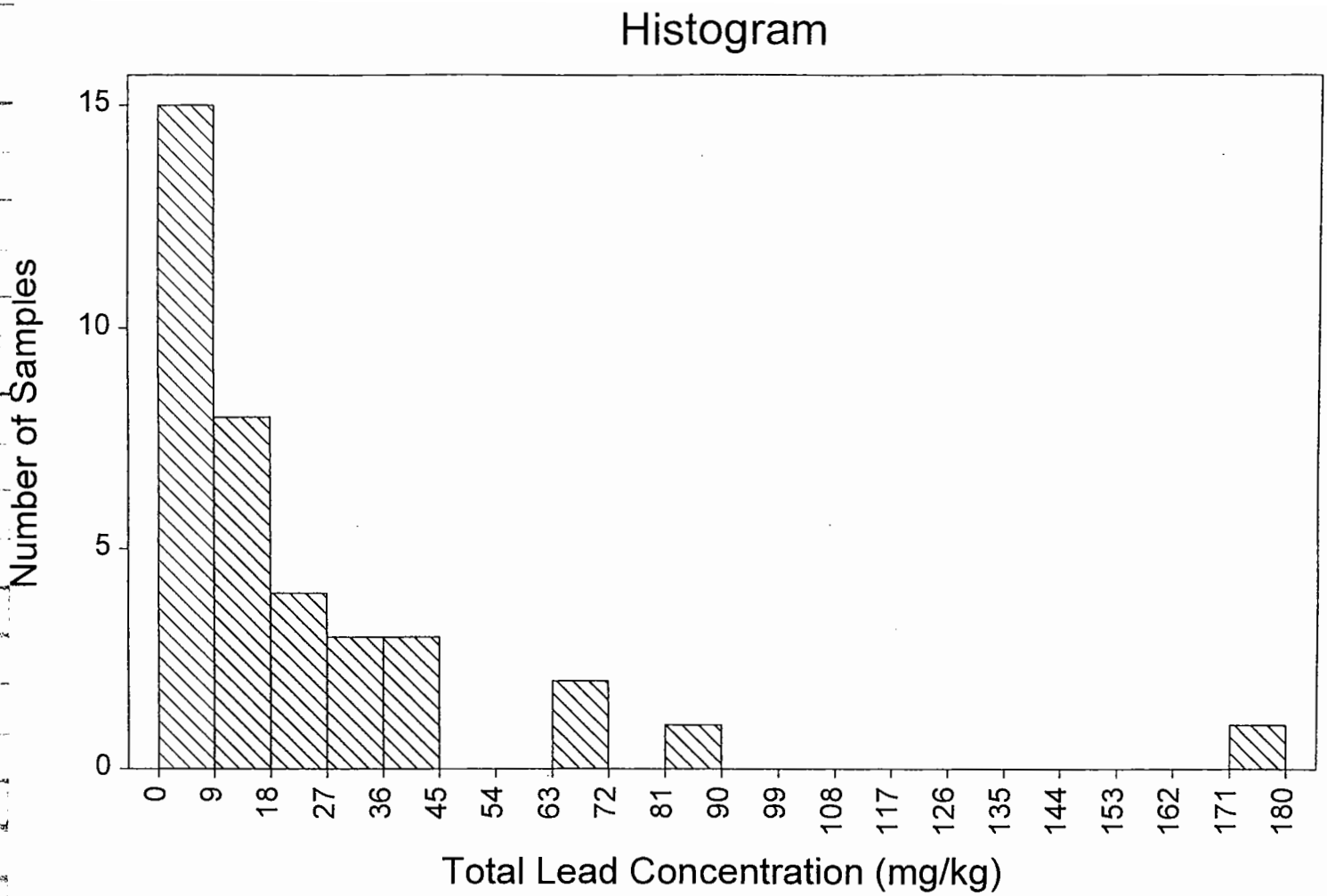
The reported analysis was requested for the following location:
Location : 832661 Site ID : B-7A-20B.
Your purchase order number is 832661.
Thank you for your business.

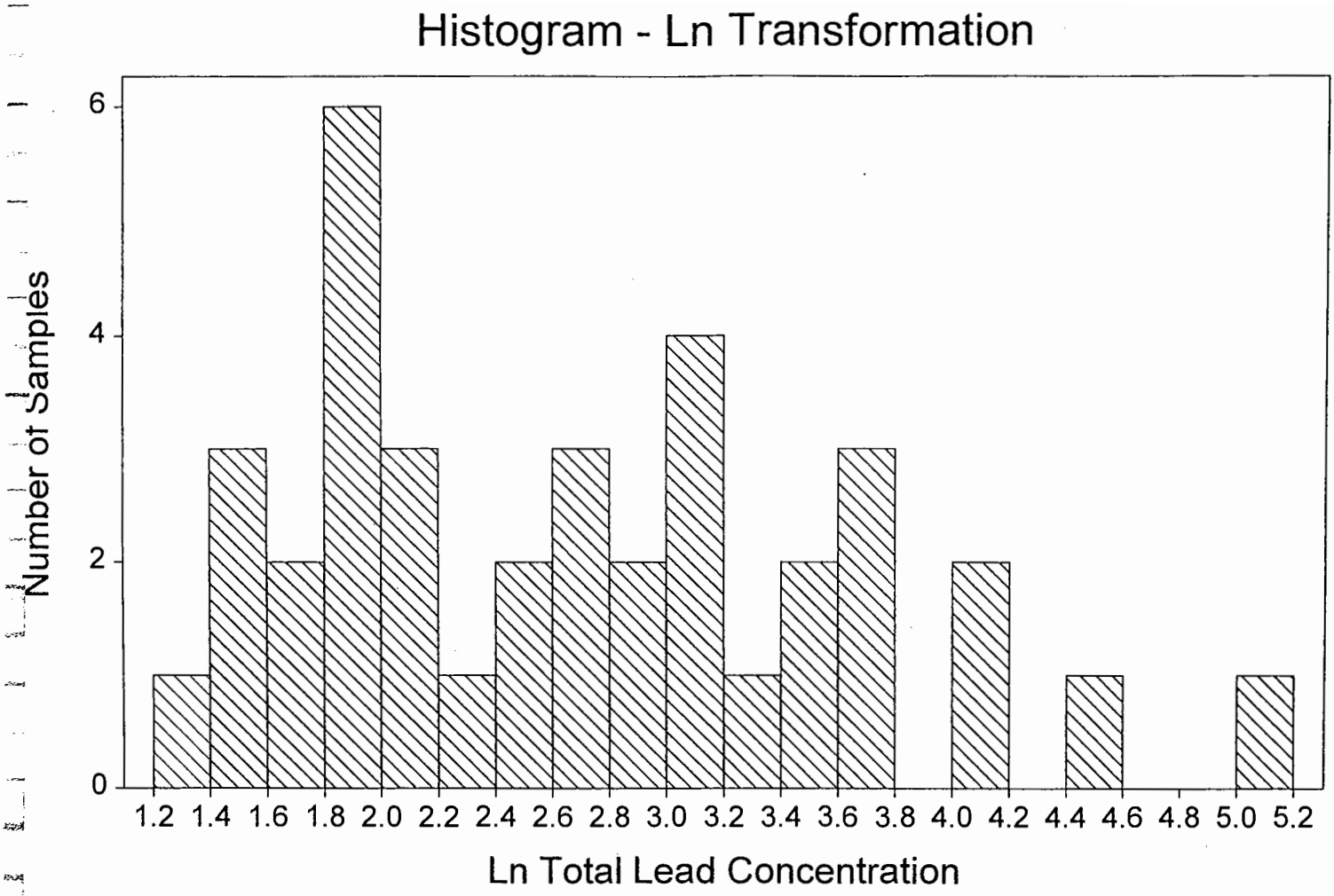
* For future reference to this analysis please use SUN # 36249-69254.

EVALUATION FOR SOIL CORROSION

Soil pH	7.40		
Minimum Resistivity	1.02	ohm-cm (x1000)	
Chloride	22.7 ppm	00.00227	%
Sulfate	12.5 ppm	00.00125	%

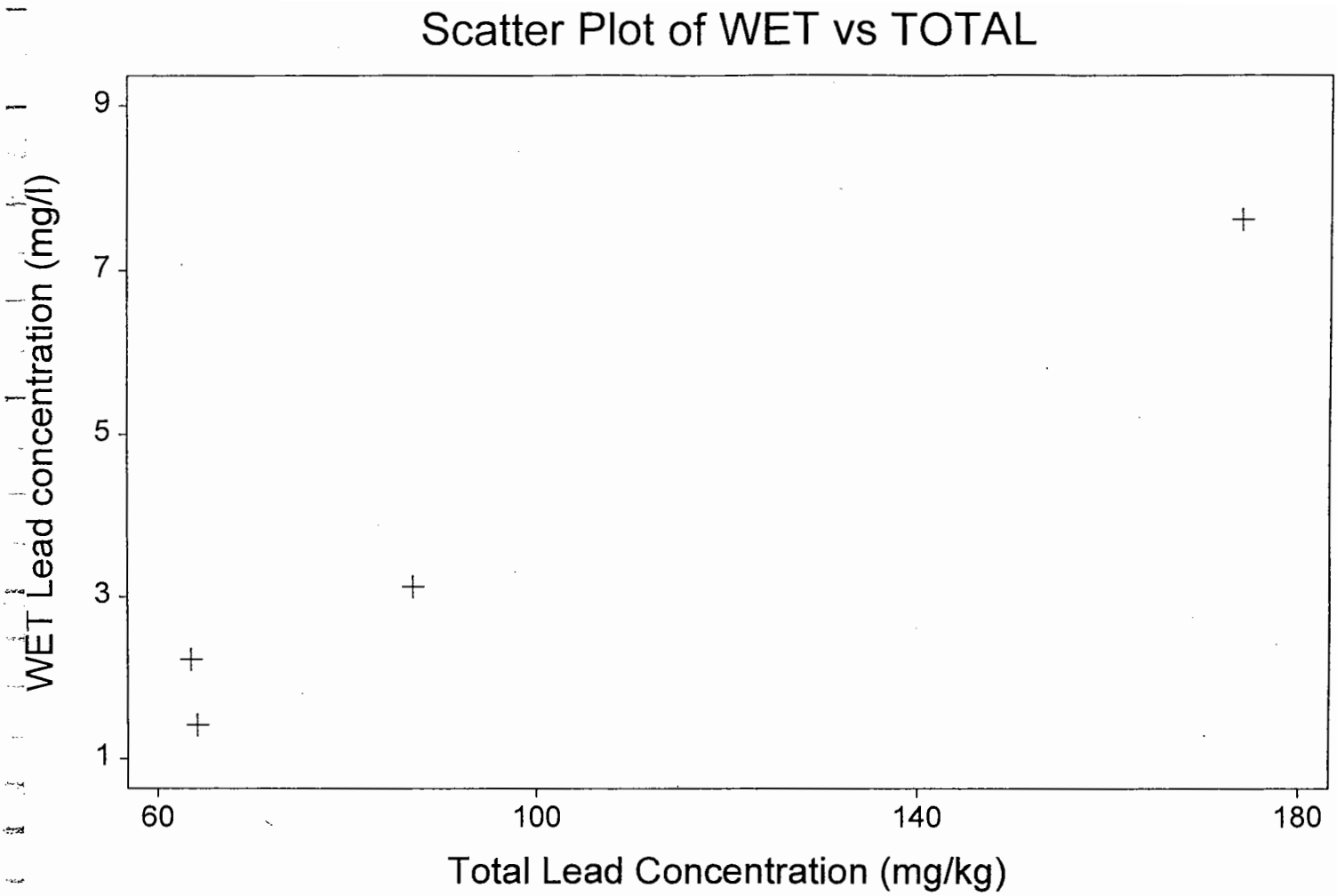
METHODS
pH and Min.Resistivity CA DOT Test #643 Mod.(Sm.Cell)
Sulfate CA DOT Test #417, Chloride CA DOT Test #422


Histogram
Number of Samples
15
10
5
0
0
9
18
27
36
45
54
63
72
81
90
99
108
117
126
135
144
153
162
171
180
Total Lead Concentration (mg/kg)


Histogram - Ln Transformation
Number of Samples
0
2
4
6
1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2
Ln Total Lead Concentration

UCL CALCULATION
BOOTSTRAP
LEAD ANALYTICAL DATA
Caltrans - I-580 Soundwall
Livermore, California
Task Order 04-283900-WS

Result	Qualifier	Weight	ME Avg	NP Bootstrap 90% UCLs
8.02	=	1	24.34108	Site Mean
23.40	=	1		32.10
64.2	=	1		
6.11	=	1		
174	=	1		
4.15	=	1		
7.49	=	1		
6.23	=	1		
37.5	=	1		
5.72	=	1		
32.9	=	1		
5	=	1		
17.70	=	1		
13.80	=	1		
13.7	=	1		
7.64	=	1		
33.9	=	1		
15.1	=	1		
6.59	=	1		
22.5	=	1		
6.83	=	1		
6.88	=	1		
4.26	=	1		
13.1	=	1		
16.5	=	1		
6.72	=	1		
3.38	=	1		
63.6	=	1		
4.37	=	1		
9.83	=	1		
29.1	=	1		
12	=	1		
44.5	=	1		
43.8	=	1		
21.2	=	1		
87	=	1		
22	=	1		


Scatter Plot of WET vs TOTAL
WET Lead concentration (mg/l)
9
7
5
3
1
60
100
140
180
Total Lead Concentration (mg/kg)

TATISTIX 7.0 580 SOUNDWALL STATS, 1/18/02, 4:37:33 PM

CORRELATIONS (PEARSON)
ZERO INTERCEPT OPTION SELECTED: CORRELATIONS = COSINES

	TOTAL
WET	0.9865

ASES INCLUDED 4 MISSING CASES 33

TATISTIX 7.0 580 SOUNDWALL STATS, 1/18/02, 4:39:28 PM

NWEIGHTED LEAST SQUARES LINEAR REGRESSION OF WET

OTE: MODEL FORCED THROUGH ORIGIN

PREDICTOR VARIABLES	COEFFICIENT	STD ERROR	STUDENT'S T	P
OTAL	0.03968	0.00380	10.45	0.0019

R-SQUARED	0.9733	RESID. MEAN SQUARE (MSE)	0.66292
DJUSTED R-SQUARED	0.9644	STANDARD DEVIATION	0.81420

SOURCE	DF	SS	MS	F	P
EGRESSION	1	72.4338	72.4338	109.27	0.0019
ESIDUAL	3	1.98875	0.66292		
TOTAL	4	74.4226			

ASES INCLUDED 4 MISSING CASES 33

STATISTIX 7.0 580 SOUNDWALL STATS, 1/18/02, 4:47:46 PM

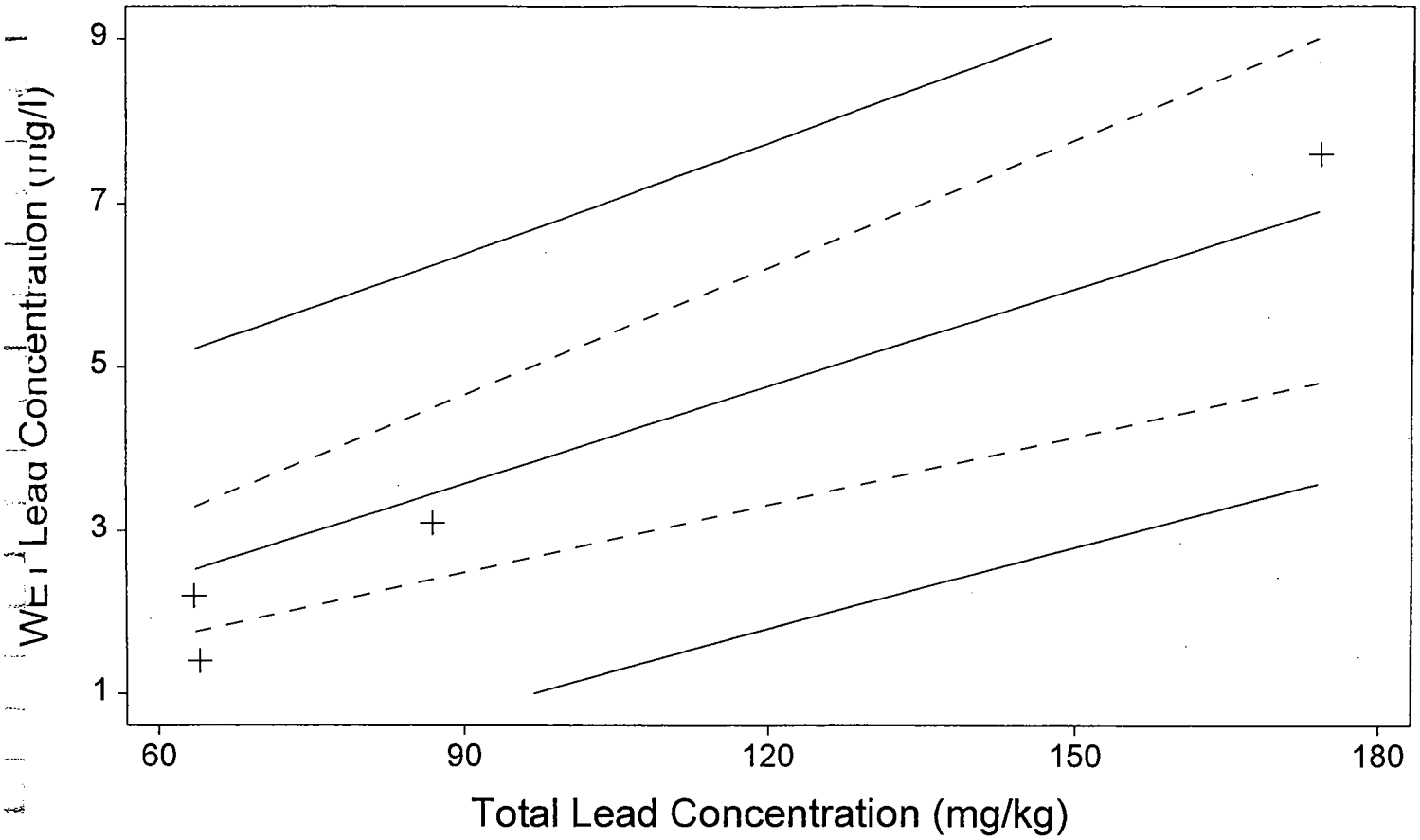
REDICTED/FITTED VALUES OF WET

OWER PREDICTED BOUND	-0.0744	LOWER FITTED BOUND	1.0743
REDICTED VALUE	1.2739	FITTED VALUE	1.2739
PPER PREDICTED BOUND	2.6222	UPPER FITTED BOUND	1.4735
SE (PREDICTED VALUE)	0.8233	SE (FITTED VALUE)	0.1219

NUSUALNESS (LEVERAGE)	0.0224
PERCENT COVERAGE	80.0
CORRESPONDING T	1.64

REDICTOR VALUES: TOTAL = 32.100

Simple Regression Plot



WET = + 0.0397 * Total