SITE: Mills Gap
BREAK: 2.4
OTHER: V6

SAMPLING AND ANALYSIS PLAN (SAP) REPORT

IMPLEMENTATION OF THE SAMPLING AND ANALYSIS PLAN

MILLS GAP ROAD GROUNDWATER CONTAMINATION SITE

ONE MILE EAST OF SKYLAND,
BUNCOMBE COUNTY, NORTH CAROLINA
EPA ID #: NCD003149556

Prepared for:

CTS Corporation
905 West Boulevard North
Elkhart, Indiana 46514

Prepared by:

MACTEC

MACTEC Engineering and Consulting, Inc.
1327 Miller Road, Suite A
Greenville, South Carolina 29607

MACTEC Project 6690-03-9450-09

September 17, 2004

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Mr. James Webster, Ph.D.
On-Scene Coordinator
U.S. EPA, Region 4
Sam Nunn Atlanta Federal Center
ERRB, 11th Floor
61 Forsyth Street SQ
Atlanta, GA 30303

Subject: **Sampling and Analysis Plan Report**
Mills Gap Road Groundwater Contamination Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Dear Dr. James Webster:

Enclosed please find three copies of the Sampling and Analysis Plan (SAP) Report for the above referenced site. MACTEC Engineering and Consulting, Inc. (MACTEC), has prepared the enclosed SAP Report on behalf of CTS Corporation and Mills Gap Road Associates. This SAP Report has been prepared in accordance with the requirements of the Administrative Order on Consent for Removal Action between CTS Corporation and Mills Gap Road Associates (Respondents), and U.S. EPA Region 4, dated January 16, 2004 (Effective date of January 22, 2004).

Please feel free to call Harry Morris at (864) 288-5116 or Sandra Sroonian at (231) 938-1519, if you happen to have any questions regarding this SAP report.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

NORTH CAROLINA LICENSED SEAL 1651 GEOLOGIST HARRY H. MORRIS 9/17/04

Harry H. Morris, P.G.
Senior Hydrogeologist

Sandra Sroonian
Sandra Sroonian.
Senior Principal Engineer
By KLH with permission

cc: Elizabeth Bottorff Ahlemann – CTS Corporation (2 copies)
Michael Dolan – Jones Day (1 copy)
William Clarke – Roberts & Stevens, P.A.(3 copies)

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EXECUTIVE SUMMARY

Implementation of the Environmental Protection Agency approved Sampling and Analysis Plan for the Mills Gap Road Groundwater Contamination Site was preformed June 21st through July 1st, 2004. The activities were performed pursuant to the Administrative Order on Consent for Removal Action between the United States Environmental Protection Agency (USEPA) Region 4, CTS Corporation, and Mills Gap Road Associates.

A survey was performed to locate potential potable wells located within a one-mile radius of the Site boundary. Areas within the one-mile radius that were isolated from the Site by major mountain ridges were excluded from the survey as approved by Greg Powell and James Webster (personal communication on June 22, 2004). The purpose of the reconnaissance was to visually inspect the properties for the presence of features that might indicate the presence of a private well (e.g., well house or similar structure). As a result of the reconnaissance, in addition to the eight wells previously identified, 58 properties were identified that had a well house structure. Of these 58 properties and the eight wells in service that were originally identified, nine are considered to have a reasonable potential of being impacted by a release from the Site (six potential wells and three existing wells).

To allow further evaluation of the feasibility for containment of water emanating from the springs located east of the Site, the volume of water discharging from the springs was measured. Discharge rates ranged from approximately 0.10 to 0.20 cubic feet per second (cfs) during the 30-day monitoring period. The maximum discharge was recorded following a one-inch rainfall event. For comparison purposes, other methods were employed to estimate the discharge of the stream and determined that the peak discharge, for a one-year storm with varying degrees of rainfall intensity, could range from 1.5 to 21 cfs. The feasibility of containment of the springs or other removal action options will be evaluated utilizing this range of discharge.

The drilling and sampling activities included collecting continuous soils samples from 28 boreholes drilled using Geoprobe® direct push technology; three of which were developed into temporary piezometers and one was completed as a temporary monitoring well. Also, one soil vapor extraction (SVE) well and four SVE observation wells were drilled and installed for purposes of conducting the SVE pilot test. The soil samples were screened with a photoionization (PID) detector to determine the volatile organic compound vapor concentrations and the soil samples with the highest PID reading from

boring (from above the water table) were selected laboratory analysis. Soil samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons-diesel range organics (TPH-DRO), and target compound list polychlorinated biphenyls (TCL-PCBs). There were 54 soil samples collected in total, 11 of which were also sampled for cyanide, Target Analyte List Metals (TAL-Metals), and Pesticides.

Water samples were collected from each of the five spring sampling locations previously identified (Spring-01 through Spring-04, and a stream sample) and from the temporary well installed by MACTEC. The samples were analyzed for VOCs, SVOCs, TPH-DRO, and TCL-PCBs. Laboratory analysis and data validation procedures were employed to achieve data quality objectives (DQO) Level-3 standards for soils and DQO Level-4 standards for waters.

A reconnaissance of the springs and tributaries was performed downgradient of the Site beginning at the headwaters of the unnamed tributary (originating at Spring-01 through Spring-04) and continuing across Mills Gap Road, along Concord Road, and to the point where the tributary reached its confluence with Robinson Creek. Other than the original four springs previously located, no other seeps or springs were identified.

For data evaluation purposes, specific constituent concentrations were plotted on maps and the distribution of constituents was delineated. This delineation of the constituent distribution enabled identification of the areas within the unsaturated soils that contain the bulk of the contaminant mass. These areas will be the focus of attention for design of the removal systems.

The significant observations from the evaluation of the analytical results include:

- Trichloroethyene (TCE) was the VOC most frequently detected in soils at an elevated concentration.

- The VOCs that were detected in water at elevated concentrations were: 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), benzene, methylene chloride, cis-1,2-Dichloroethene (cis-1,2-DCE), PCE, TCE, and vinyl chloride.

- The highest TPH-DRO concentration in water was collected from Spring-01 [14,000 (micrograms per liter) ug/L] while the highest TCE concentration was detected in Spring-02 (22,000 ug/L).

The horizontal and vertical distribution of constituents has been delineated and illustrated on enclosed figures. Previously, the pit located in the southeast corner of the former plating room, and the trench drains leading to the pit, were suspected to be a potential source area for the TCE release. While this potential remains, a boring drilled within the former plating rooms had soil samples with relatively low PID readings (compared to other areas on-site) and very low TCE concentrations in soil. The specific source area or mechanism of TCE release remains unknown. However, the distribution of TCE in soil is well defined and the center of mass is in the area of borings BH-1, BH-3, and BH-34. For removal action purposes, this delineation is adequate. Further delineation or refinement of the contaminant mass characterization may be developed in the process of installing, operating, and monitoring the SVE system, if SVE is deemed feasible.

The source area for the TPH-DRO release is believed to be in the vicinity of borings BH-32 and BH-34. These borings were drilled near the 10,000-gallon #5 Fuel Oil aboveground storage tank (AST). This fuel is believed to have been the secondary fuel source for the main boiler during the active life of the facility (the primary source was natural gas). The boiler room is located on the south wall of the facility near boring BH-32. The piping from the boiler to the tank is underground and thus, the exact location, condition, and orientation is unknown. Additionally, a former 1,000-gallon #2 Fuel Oil AST was previously removed from the same proximity. Soil samples collected from this area had the highest TPH-DRO concentration of any of the shallow soil samples.

The source of the 1,1,1-trichloroethane, benzene, ethylbenzene and toluene products is unknown. However, these constituents appear to have come from the same source areas as one another as they each tend to be present in the same soil samples.

The "former wastewater pre-treatment plant" located on the southwest side of the main building was identified as a potential source area due to the fact that a spillway in the plating room was identified as having been drained from a small pit located along the south wall just outside of the former plating room, through a sewer line, to an area south of the main building for wastewater treatment and proper disposal. However, soil concentrations from borings drilled around the former waste water treatment plant indicate that the plant does not appear to have been a significant source of constituent release.

1.0 INTRODUCTION

On behalf of CTS Corporation (CTS) and Mills Gap Road Associates (MGRA), MACTEC Engineering and Consulting, Inc. (MACTEC) has prepared this Sampling and Analysis Plan (SAP) Report for the Mills Gap Road Groundwater Contamination Site (the Site). Implementation of the Environmental Protection Agency (EPA) approved SAP (dated May 17, 2004) was performed June 21st through July 1st, 2004. The activities were performed pursuant to the Administrative Order on Consent (AOC) for Removal Action between the United States Environmental Protection Agency (USEPA) Region 4 and CTS and MGRA, dated January 16, 2004. This Site is located one mile east of Skyland in Buncombe County, North Carolina at approximately 35o49'29"N latitude and 82o50'48"W longitude (see Figure 1).

1.1 BACKGROUND

The facility is located in a sparsely populated area of the Blue Ridge Province and is comprised of approximately nine acres of land that is mostly level ground. A single-story brick structure with approximately 95,000 square feet of floor space is present on the property. A six-foot high chain-link fence with an upper level of barbed wire surrounds the property. A locking gate at the north end of the Site controls Site access from Mills Gap Road. Residential properties border the Site to the south and east, and there is active residential construction on-going to the southwest. A topographic survey of the Site was performed in June 2004. Illustration of site topography and the general site features is provided on Plate 1.

Electronic components utilized in automotive parts and hearing aids were manufactured at the Site until plant operations ceased in April 1986. The chemical compound trichloroethylene (a.k.a. trichloroethene or TCE) was used in the process to clean and/or degrease metal objects prior to electroplating. Solvents and metals reportedly were reclaimed whenever possible.

International Resistance Corporation (IRC) owned the Site and operated the electroplating facility from approximately 1952 until 1959. IRC was later merged into TRW, Inc. pursuant to an Agreement of Merger dated November 28, 1967, which was subsequently merged into Northrop Grumman Space & Mission System Corp., and thereby became a successor to IRC. CTS of Ashville, Inc., a corporation once owned by and once a subsidiary of CTS purchased the Site from IRC in 1959 and also utilized the facility for manufacturing. MGRA, who remains the current owner, purchased the Site from CTS in 1987.

MGRA leased portions of the facility to several different tenants, and otherwise utilized the building for business interests.

A detailed summary of the previous investigations performed at the Site was provided in the May 17, 2004 SAP. The following investigation and assessment reports were reviewed in preparation of the SAP:

- Environmental Site Assessment Activities, CTS Corporation, Asheville Facility, Asheville, North Carolina Law Environmental, Inc. (LAW) 1987;
- Final Report, Screening Site Inspection, Phase II, CTS of Asheville, Inc., Skyland, Buncombe County, North Carolina, NUS Corporation Region 4 Field Investigation Team, 1991;
- Letter to Myron D. Lair, Chief, Emergency Response and Removal Branch, U.S. Environmental Protection Agency, Region 4. Subject: Immediate Removal Evaluation Request Mills Gap Groundwater Contamination. Pat DeRosa, Head, Site Evaluation and Removal Branch, Superfund Section, North Carolina Department of Environment and Natural Resources, 1999;
- Trip Report, Mills Gap Site, Skyland, Buncombe County, North Carolina, Tetra Tech EM Inc., 2000;
- Geoprobe Coring Results – Mills Gap Road W.A. # 0-141, Trip Report, Lockheed Martin Technology Services Group, 2001;
- Quality Management Plan, Weston Solutions, Inc., May 2002;
- Removal Assessment Letter Report, Weston Solutions, Inc – Superfund Technical Assessment Response Team; 2003.

1.2 OBJECTIVES OF THE SAP AND TARGET AREAS FOR INVESTIGATION

As defined in the AOC, the purposes of proposed assessment activities were to determine:

- The scope and extent of hazardous and petroleum substance contamination within the unsaturated zone beneath the former plant building and adjacent area.
- The presence or absence, and as appropriate, the scope and extent of hazardous or petroleum substances within the on-site storage containers, including but not limited to aboveground and underground storage tanks.
- To investigate potentially suspect areas, if identified.
- To identify potable water wells and springs, in addition to those previously identified, that have been or might reasonably be expected to be affected by contaminant releases from the Site.

- Identify depth to the saturated zone (for use in the design of the Soil Vapor Extraction (SVE) system).

Based on a review and evaluation of the previous investigations and historical maps of the facility, the following target areas were identified to receive further investigation, as presented in the EPA approved SAP.

- **The plating room** within the main building is identified as a potential source area due to the high concentrations of TCE previously identified in sludge samples collected from the plating room and in soil samples collected from beneath the room through prior sampling events.
- The area surrounding **the former 10,000-gallon #5 Fuel Oil Aboveground Storage Tank** (AST), the area surrounding the former 1,000-gallon #2 Fuel Oil AST, and their associated piping south of the main building are identified as potential source areas that may be related to the high concentrations of petroleum hydrocarbon contaminants identified in the surface water discharging from the adjacent springs through prior sampling events.
- The **"former wastewater pre-treatment plant"** located on the southwest side of the main building is identified as a potential target area due to the fact that the spillway in the plating room is noted in the LAW 1987 report as having been drained through a sewer line to an area south of the main building for wastewater treatment and proper disposal.
- The area **of seepage at the springs** is targeted for additional sampling. Samples were previously collected on February 2, 2003 by Weston Solutions, Inc.

2.0 IMPLEMENTATION OF FIELD ACTIVITIES

Implementation of the SAP field activities began on June 21, 2004 and included conducting a survey of water supply wells within a one mile radius of the Site, performing a surface water discharge evaluation, the installation of three temporary piezometers and one temporary monitoring well, collection of 54 soil samples from 21 on-site boring locations, the collection of one groundwater sample (from the temporary monitoring well), and the collection of five surface water samples (from the four subject springs and one stream sample). Illustration of these drilling/soil boring/sampling locations is provided on Plate 2. The primary objective of the field sampling and analysis activities was to characterize the extent and severity of contamination in order to quantify the amount of contaminant mass present in the unsaturated soils beneath the Site and to aid in the design of the selected removal option as discussed further in the Pilot Study Removal Action Plan.

2.1 WATER SUPPLY WELL EVALUATION

As specified in the SAP, a survey was performed of the water supply wells located within a one-mile radius of the Site boundary. Areas within the one-mile radius that were isolated from the Site by major mountain ridges were excluded from the survey as approved by Greg Powell and James Webster (personal communication on June 22, 2004). On August 24, 2004 a drive-by reconnaissance was performed. The purpose of the reconnaissance was to visually inspect the properties by driving on public roadways and locating features that might indicate the presence of a private well (e.g., well house or similar structure). Previous reports identified nine water supply wells located within a one-mile radius of the Site boundaries (illustrated on Figure 2). One of the nine wells previously identified, located at 10 Concord Lane, was removed from service by NCDENR in 1999 (Weston, 2003). Groundwater samples were collected from the eight wells remaining in service in February 2003 and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and total petroleum hydrocarbons (TPH). There were no constituents detected in groundwater above the method detection limits (Weston, 2003).

As a result of the reconnaissance performed by MACTEC, in addition to the original eight wells remaining in service within one-mile of the Site, 58 properties were identified that had a well house structure present indicating the potential for an on-site private well or spring. These parcels are shaded light blue on Figure 2. Of these 58 properties and the eight wells in service that were originally

identified, nine are considered to have a reasonable potential of being impacted by a release from the Site (six potential wells and three existing wells) because they are within a half mile of the Site and they are not isolated from the Site by a major mountain ridgeline (six are shaded blue and three are shaded green).

The remaining 52 parcels with potential wells and four parcels with existing wells in service were located outside of the area considered to have a reasonable potential to be impacted. Forty-two of these 56 parcels are located across Robinson Creek from the Site. Robinson Creek represents a major surface water feature in the subject area. Elevation of the ridge-tops of the adjacent Brown Mountain and Busbee Mountain is 2940' mean sea level (msl) and 3000' msl, respectively. Elevation of the Robinson Creek valley is less than 2400 msl. Thus, there is over 500 feet of topographic relief in the immediate area of the Site. This degree of topographic relief will have significant controlling affect on the direction of groundwater flow. Therefore, Robinson Creek is considered to represent a barrier to local groundwater flow.

Eight parcels located to the northeast of the site (seven shaded light blue and one shaded green on Figure 2), outside of one-half mile radius of the Site, but on the same side of Robinson Creek as the Site, are also considered to be located outside of the area to have a reasonable potential to be impacted. These parcels are located across a tributary to Robinson Creek and over three-quarters of a mile in an upstream direction (with respect to surface water flow) from the confluence of the tributary from the Site, with the Robinson Creek. The direction of regional groundwater flow within a watershed basin will tend to be perpendicular to, or in a similar direction to that of a major surface water feature like the Robinson Creek. Thus, groundwater is unlikely to migrate from the Site to a point as far upstream as these four parcels.

There are an additional four parcels located to the southeast of the Site (shaded light blue on Figure 2), outside of one-half mile radius of the Site, but on the same side of Robinson Creek as the Site, that are also considered to be located outside of the area to have a reasonable potential to be impacted. These parcels are located across three tributaries to Robinson Creek and are isolated from the Site by a major ridgeline feature associated with Brown Mountain.

Only one other potential well was located to the northwest of the Site besides the well originally identified at 127 Mills Gap Road (which was previously sampled and determined to be clean (below detection)). This potential well location is considered to be located outside of the area to have a reasonable potential to be impacted. The location is approximately three-quarters of a mile from the Site,

it is located on the opposite side of the ridgeline that bisects the Site, and is in a direction considered to likely be downgradient of the clean well sampled at 127 Mills Gap Road.

Five of the six parcels identified with a well structure (shaded blue) and considered to have a reasonable potential of being impacted by a release from the site, do not have direct access to a City of Asheville water supply line. The four parcels located to the east of the Site with existing wells inside the half mile radius (three shaded green and one shaded green) considered to have a reasonable potential of being impacted by a release from the Site do have access to the Asheville City water supply line.

A list containing the names and addresses (and the respective parcel identification number) associated with each of the properties identified within the subject study area, that was either previously identified to have a potable well or had a potential well structure observed on their property, are provided in Appendix A.

2.2 SURFACE WATER DISCHARGE EVALUATION

To allow further evaluation of the feasibility for containment of water emanating from the springs located east of the Site, the volume of water discharging from the springs was estimated. In accordance with the SAP, dated May 17 2004, the stream discharge was measured downstream of the most downgradient spring (Spring-04) in a relatively straight reach of the stream channel. Additionally, the discharge was estimated using Manning's Equation (based on field measurements) and peak discharge estimates were calculated using the Rational Method and variations of the Rational Method.

2.2.1 Methods

The following sections summarize how the discharge rate of the stream was measured or estimated.

2.2.1.1 Measurement of Stream Discharge

Following a rainfall event, (within 24 hours of the event), the cross-sectional area of the wetted channel and velocity of the water were measured in order to calculate the flow rate of the stream. The cross-sectional area was determined by measuring the width of the channel and the depth of the channel at two-inch intervals across the stream, perpendicular to flow. The average depth in each two-inch interval was multiplied by the width of the interval (two-inches) to obtain the cross-sectional area of each interval.

The cross-sectional areas of the intervals were summed to obtain the cross-sectional area of the wetted channel. The cross-sectional area was measured at two points along the stream channel.

The velocity of the stream was determined by measuring the time for a plastic ball to float between the two points where the cross-sectional areas were measured. A minimum of three measurements were made and the average time was calculated. The ball was floated down the center of the stream channel where the water was moving the fastest. Therefore the velocity measurements, and subsequent flow calculations, are considered conservative (biased high).

A rain gauge was placed in an open area near the location of the discharge measurements. Precipitation was recorded within 24 hours of each storm event. The discharge rate was measured for at least three days after each storm event (there were no storm events greater than one inch during the recording period). Discharge measurements were performed over a 30-day period.

2.2.1.2 Estimation of Stream Discharge Based on Manning's Equation

Several methods are available for estimation of stream flow based on watershed and stream characteristics. Manning's Equation is based on a stream's cross-sectional area, hydraulic radius (cross-sectional area divided by wetted perimeter), slope, and channel roughness, and is given by the following equation:

$$Q = \frac{1.486}{n} A R^{2/3} \sqrt{S}$$

Where:

- Q is the discharge rate in cubic feet per second (cfs),
- n is the roughness coefficient (dimensionless),
- A is the cross-sectional area of the stream channel in square feet,
- R is the hydraulic radius of the stream channel in feet, and
- S is the slope of the stream (dimensionless).

The roughness coefficient is an empirical number based on the friction caused by the sinuosity and lining of the stream channel. The roughness coefficient ranges from 0.011 for smooth cement or metal piping to 0.14 for an unmaintained excavated channel. A roughness coefficient of 0.09 is appropriate for this stream, as it is a natural channel with irregular sections and pools.

Stream discharge was estimated using Manning's Equation based on parameters measured in the field (i.e., area and wetted perimeter). These estimates were compared to discharge measurements made manually using the same physical parameters (i.e., depth and width).

2.2.1.3 Estimation of Peak Discharges Based on the Rational Method

The objective of the surface water evaluation is to obtain sufficient data to determine the feasibility of providing a catchment mechanism for the springs emanating east of the Site. The manual measurements were made during late summer, when stream runoff is typically at its lowest (due primarily to vegetation interception and evapotranspiration) and precipitation events are less frequent than in winter months. In order to provide data that represents reasonable flow rates for other times of the year, the Rational Method was utilized to estimate peak discharges.

The Rational Method is used to estimate the peak discharge rate of a stream based on the precipitation intensity for a storm event of a certain probability (i.e., 100-year flood), the drainage area of the watershed, and the runoff coefficient, and is given by the following equation:

$$Q = CiA$$

Where:

- Q is the discharge rate in cfs,
- C is the runoff coefficient (dimensionless),
- i is the precipitation intensity in inches per hour, and
- A is the drainage area of the watershed in square miles.

This method is appropriate for watersheds smaller than about one square mile. The intensity is a measure of the amount of a precipitation over a period of time for a storm event of a particular frequency and varies geographically. Intensity rates for this watershed were obtained from the National Oceanic and Atmospheric Administration's (NOAA) precipitation frequency estimates. One-year, two-year, and five-year storm event frequencies were used in this analysis. The drainage area of the watershed was estimated using a topographic map (USGS Skyland Quadrangle, 1978). The drainage area for this watershed is approximately 42 acres, or 0.065 square miles.

The runoff coefficient for a watershed is based on the type of groundcover and terrain in the watershed. Values range from 0.95 for downtown areas with little pervious material to 0.05 for a flat, sandy lawn that has a high infiltration capacity. A typical runoff coefficient for a watershed with unimproved areas or steep lawns with heavy soil is 0.25.

Other publications cite a higher runoff coefficient for rural areas, based on relief, soil infiltration, vegetation, and surface features (i.e., sources of surface water storage). The subject watershed is primarily rural with large home sites surrounded by woodlands and several asphalt roads. The terrain is steep and does not contain any ponds or lakes. Based on these factors, a runoff coefficient of 0.48 was estimated. Peak discharges were estimated using both runoff coefficients for comparison purposes.

The Rational Method can be expanded to include watershed and stream characteristics for certain geographical regions. In the report, "Estimating the Magnitude and Frequency of Floods in Rural Basins of North Carolina – Revised", the authors use a regression analysis to relate historical discharge data to drainage area for numerous gauged rural watersheds in North Carolina. The result is a series of equations that solve for discharge based on the geographic region (i.e., Blue Ridge – Piedmont) and the drainage area for the watershed being analyzed. These equations were employed to provide additional estimates of peak discharge for storm events of a particular recurrence interval.

2.2.2 Results

2.2.2.1 Measurement of Stream Discharge

Field measurements of stream flow were collected from July 12, 2004 to August 6, 2004. The results of these measurements are presented in Table 1 and shown graphically in Figure 2. Discharge rates range from approximately 0.10 to 0.20 cfs during the 30-day period. The maximum precipitation recorded was 1.0 inches on August 3, 2004, resulting in a discharge of 0.20 cfs approximately two days later. The stream discharge exhibited a similar temporal response from other storm events during the measurement period. For instance, the maximum discharge following the July 28, 2004 storm event was measured three days later.

2.2.2.2 Estimation of Stream Discharge Based on Manning's Equation

Manning's Equation was used to estimate the discharge of the stream based on field measurements (A and *R*), the roughness coefficient (*n*, 0.09), and the slope of the stream (*S*). The slope of the stream was estimated using a topographic map and is calculated as the change in elevation (in this case hydraulic head) between two points divided by the distance between the two points. Based on two points approximately 40 feet apart (downstream of Spring-04), the hydraulic head in the stream decreases approximately two feet, therefore the slope of the stream is approximately 0.05.

The estimates of discharge using Manning's Equation were compared to flow measurements made manually (Table 2). The flow rates estimated using Manning's Equation ranged from approximately 0.06 to 0.20 cfs. The estimates of discharge made using Manning's Equation are between 0.3 and 64.3 percent of those measured in the field for the dates compared.

2.2.2.3 Estimation of Peak Discharges Based on the Rational Method

Peak discharges were estimated using the Rational Method for one-year, two-year, and ten-year recurrence intervals, as well as using two runoff coefficients, and are summarized in Table 3. Discharge estimates range from 1.5 cfs for a 24-hour, two-year storm using a runoff coefficient of 0.25 to 2.8 cfs for a similar storm using a runoff coefficient of 0.48.

Using the rural-based Rational Method, a two-year storm event would result in a peak discharge of 20 cfs. The rural-based method is based on the peak discharge for the entire recurrence interval based on historical data (see Table 4). This estimated peak discharge is similar to a maximum intensity (i.e., 30 minutes) storm calculated using the Rational Method (24.8 cfs with C = 0.25).

2.2.3 Discussion of Results

The objective of this surface water evaluation was to obtain sufficient data to determine the feasibility of installing a catchment system for the springs emanating east of the Site. Several methods were employed to estimate the discharge of the stream that is formed from the springs. Additionally, peak discharges were estimated to provide additional information regarding the feasibility of containment.

Field measurements of stream flow performed adjacent to the Mills Gap Road Site indicated a maximum discharge rate of approximately 0.20 cfs during the 30-day monitoring period. This flow rate was measured after a one-inch storm event, but may have been elevated due to antecedent conditions (0.6 inches of precipitation the day prior). This flow rate is similar to the estimate of flow determined using Manning's Equation. The field estimate is considered conservative (biased high), as the stream velocity was measured in the center of the stream where the stream velocity is greatest.

Field measurements were made during the late summer when stream flow is generally at its lowest for the year. A more appropriate discharge estimate for feasibility and design purposes may result from storm events that occur during the winter. Therefore an estimate of peak flow for was estimated using the Rational Method. Estimates for peak discharge resulting from a one-year storm event ranged from 1.5 cfs (for a 24 hour/one-year storm event) to 21.0 cfs (for a 30 minute/one-year storm event) (using a runoff coefficient of 0.25).

A similar study, conducted at an unnamed tributary to Pisgah Creek in Pisgah Forest, Haywood County, North Carolina, approximately 13 miles west of the Site, provides additional information about stream flow at the subject Site. The drainage area of the study watershed is 0.07 square miles of woodlands, which is similar to the watershed forming the springs east of the Site. Given the close proximity to the Site, precipitation at the Pisgah site is presumably similar (precipitation amounts were not cited in the report). Over a one-year monitoring period at the study watershed, the unnamed tributary had a minimum flow of 0.06 cfs in August and a maximum flow of 3.6 cfs in October. The mean flow rate for this tributary was 0.36 cfs. The months of January and December had the highest average flow rates, 0.56 and 0.62 cfs, respectively, while the months of July and August had the lowest average flow rates, 0.16 and 0.10 cfs, respectively. Discharge measurements in this study were obtained by continuously measuring stream stage with a pressure transducer and developing a stage/discharge curve for the gauging station.

This stream flow information will be further utilized when selecting the final removal technology for management of the surface water emanating from the springs.

2.3 DRILLING AND SOIL SAMPLING ACTIVITIES

Twenty-three boreholes (BH-13 through BH-34 plus well TW-1) were drilled using Geoprobe® direct push technology (DPT), three of which were developed into temporary piezometers (PZ-1, PZ-2, and PZ-

3) to determine depth to groundwater at the Site, and one was completed as a temporary monitoring well (TW-1). The remaining boreholes were properly abandoned and filled to the ground surface with 3/8-inch bentonite chips. Additionally, one SVE well (VE-1), and four SVE observation wells (OW-1 through OW-4) were drilled and installed using 4¼-inch inside diameter (ID) hollow stem augers and completed with polyvinyl chloride PVC casing, a sand pack, a bentonite seal, and cemented to the ground surface. SVE wells were completed with flush-mount well vaults with a locking cap. Each soil boring was advanced until direct-push refusal occurred, or to the top of the saturation zone, which ever was encountered shallower. Borelogs and well construction diagrams are provided in Appendix B. Previous direct push sampling conducted by Lockheed Martin (2001) encountered refusal at depths ranging from 12 to 34 feet below ground surface. During the MACTEC field activities, refusal depths ranged from 6.9 up to no refusal with the average refusal occurring at approximately 26 feet. The ground surface elevation and survey coordinates associated with each boring/piezometer/temporary monitoring well are provided on Table 5. The soil boring/sampling locations are illustrated on Plate 2.

Twenty-two of the Geoprobe® boring locations (BH-13 through BH-34) were sampled for soil analysis. Each core was screened with a photoionization detector (PID) in four-foot sections to determine the volatile organic compound (VOC) vapor concentrations in each core in parts per million (ppm). The PID readings of the soil cores collected from the direct push and SVE borings are presented on Table 6 and Table 7, respectively. The PID was calibrated on a daily basis to ensure that the readings were accurate. In accordance with the USEPA approved SAP, the soil sample with the highest PID reading from each eight-foot interval of core (up to four samples per core) above the water table was sampled for VOCs, semivolatile organic compounds (SVOCs), Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), and target compound list (TCL)-Polychlorinated Biphenyls (TCL-PCBs). There were 54 soil samples collected in total, 11 of which were also sampled for cyanide, Target Analyte List (TAL)-Metals, and Pesticides. A listing of the soil borings, the specific sample interval from each boring, and the analytical parameters for which each sample was tested is provided on Table 8. The laboratory methods utilized for analysis of soil and water samples is detailed on Table 9.

Soil samples collected for VOC analysis were preserved in the field utilizing the methanol preservation method. This consisted of filling one empty clear 40-milliliter (ml.) vial, two clear 40-ml. vials containing five ml. of organic free reagent water for low concentration VOCs and one amber 40-ml vial with five ml. of methanol for high concentration VOCs. The sample vials were pre-prepared, weighed, and sealed by the laboratory. The soil samples from the target interval were collected using a disposable

plastic syringe calibrated to obtain five grams of soil. The soil samples collected with the syringe were immediately placed in the sample vials and capped. To sample for the remaining constituents, a decontaminated metal spoon was used to sample the soil directly from the core and placed into the remaining unpreserved glass jars.

2.3.1 Water Level Measurements

As specified in the EPA approved SAP, in order to determine the actual depth to the saturated zone in the sampling area, temporary piezometers PZ-1, PZ-2, and PZ-3, were installed in the first three borings drilled (BH-14, BH-20, and BH-29, respectively). The temporary piezometers were constructed by means of installing a 1-inch ID schedule 40 PCV casing with a 0.010-inch 10-foot machine slotted screen into the direct push boring. Piezometers were completed with a clean silica sand installed from bottom of the hole and extending two feet above the top of the screen. The remainder of the annulus was sealed with bentonite hole-plug and piezometers were completed with a locking cap and a flush mounted vault.

After allowing the water table to stabilize, the depth to the water was measured in each piezometer. The piezometer/well construction details and water level measurements are presented on Table 10. Based on the static water table surface, the depths of subsequent borings were modified to allow for soil sample collection from the unsaturated zone only. The depth to groundwater in the three piezometers was measured on subsequent days to confirm that the measurements were representative of static conditions. Defining the thickness of the unsaturated zone is a required element of designing a SVE system. During 2001, Lockheed Martin interpreted the saturation depths to range from 25 to 32 feet beneath the floor of the building. During the MACTEC field activities, the depth to saturation was shallower than reported in the Lockheed soil descriptions contained in the borelogs. Specifically, the depth to groundwater ranged from 14.5 feet inside the building at piezometer PZ-1 to 20.78 feet at PZ-2. The depth to groundwater at piezometer PZ-3 was 28.58 feet below ground surface (bgs) but this well is up the hill from the building and has a surface elevation approximately eight feet higher than piezometers PZ-1 and PZ-2.

2.3.2 Water Sampling

Grab samples were collected from each of the five spring sampling locations previously identified and most recently sampled on February 2, 2003 by Weston Solutions, Inc and from one temporary well installed by MACTEC in June of 2004 to further characterize the constituent concentrations in the off-site

area. The samples were analyzed for VOCs, SVOCs, TPH-DRO, and TCL-PCBs (Tables 8 and 9). Additionally, a temporary well (TW-1) was installed adjacent to, and upgradient of, Spring-02 (previously identified as (MGGC-01-SW sample location). The temporary well was constructed similar to the temporary piezometers. The temporary well was purged of three well volumes and sampled for the same list of parameters as the springs.

2.3.3 Field Quality Assurance and Quality Control Samples

Specific quality control (QC) measures were implemented in the field to assure data quality objectives (DQOs) were met per the USEPA approved SAP. In addition to the introduction of the QC field and laboratory checks, the laboratory implemented its own internal quality assurance/quality control (QA/QC) procedures for routine operations as were specified in the analytical laboratory's Quality Assurance Management Plan (QAMP).

To achieve this level of control, five duplicate samples, five field blanks, four rinsate blanks, and twenty-one trip blanks were collected during the course of field activities at the Site. A summary of the quality control samples collected is provided on Table 11.

2.3.4 Analytical Laboratory Testing

Shealy Environmental Services Laboratory (Shealy) of Cayce, South Carolina was selected to perform the analytical services for the samples collected at the Site. The samples were analyzed in accordance with USEPA SW-846, guidance entitled *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. Analysis for soil samples utilized DQO Level-3 protocol and analysis of water samples utilized DQO Level-4 protocol. Both soil and water samples were prepared and analyzed in accordance with the USEPA Methods listed in Table 9.

Both soil and water samples were collected in laboratory-prepared sample containers. The collected samples were marked with unique identifying numbers, preserved as required, and placed on ice in sample coolers. The sample coolers were shipped by overnight courier to Shealy, a North Carolina certified laboratory. The samples were maintained under proper chain-of-custody.

Analytical laboratory reports of the samples collected and analyzed as part of implementing this SAP are provided in Appendix B. Summary reports from the laboratory are provided in hard copy and the

complete QA/QC validation package from the laboratory is provided on compact disc (CD) in Appendix C.

2.3.5 Data Validation

The objective of data validation is to evaluate the quality of the chemical analysis data and to qualify the chemical data if necessary. The procedure used by MACTEC for data validation begins with a staff/project chemist performing the primary data quality evaluation following Standard Operating Procedures (SOPs) developed by MACTEC from USEPA documents. A data quality evaluation narrative and qualified (flagged) data tables are then reviewed and approved by a senior chemist. Applicable data qualifiers are described in the footer of each table. The data review process was developed based on reference to the following USEPA documents:

- USEPA Contract Laboratory National Functional Guidelines for Organic Data Review, EPA 540/R-99/008 (USEPA, 1999)
- USEPA Contract Laboratory National Functional Guidelines for Inorganic Data Review, EPA 540/R-94/013 (USEPA, 1994b)
- Other method-specific criteria as presented in Test Methods for Evaluating Solid Waste, USEPA SW-846, Update III, (USEPA, 1996b)

Laboratory data were evaluated to assess adherence to method prescribed calibration and/or continuing calibration criteria, method blank analysis results, analyte recoveries from Laboratory Control Samples (LCS), Matrix Spike/Matrix Spike Duplicate (MS/MSD) sample recoveries and RPDs, surrogate recoveries and ultimately, completeness. Except for completeness, these criteria were used to evaluate the accuracy and precision of the data generated by the laboratory. Furthermore, the control limits for the major USEPA SW-846 methodologies were generated and presented in the laboratory data reports and were evaluated based on those limits. To evaluate completeness, the number of valid data points obtained from the measurement systems were compared to the number that was expected to be obtained under normal conditions. Representativeness in the laboratory was determined by making certain all sub-samples taken from a given sample represent the sample as a whole by premixing and homogenizing. However, overall representativeness is assessed by review of the precision obtained from field and laboratory duplicates collectively. The Data Quality Narrative for this sampling and analysis event is included as Appendix C.

2.3.6 Disposal of IDW

Ten drums of investigative derived wastes (IDW) were generated as a result of the investigation. The IDW consisted of eight drums of drill cuttings generated during the performance of soil borings, and two drums of water contained from the decontamination pad during steam cleaning of the Geoprobe® and its associated equipment, and purge water from sampling temporary monitoring well TW-1. The IDW was containerized in 55-gallon drums; the drums were labeled and staged at the Site for future pick up. At the conclusion of the soil boring and soil sampling activities, one composite soil sample and one composite water sample was collected from each drum and sent to the laboratory for waste characterization purposes. The samples were tested for resource conservation and recovery act (RCRA) metals via Toxic Characteristic Leaching Procedure (TCLP) and for TCLP organics to characterize the waste for disposal. The drums will be scheduled for removal and disposal upon EPA approval of the intended disposal site (application was submitted under separate cover). Transportation manifests and certificates of disposal will be forwarded to the EPA when they are obtained.

2.3.7 Surveying

Following completion of the sampling activities, Freeland and Associates of Greenville, South Carolina surveyed the elevations in feet above mean sea level (MSL) and determined the North Carolina state plane coordinates for thirty-one soil boring sample locations, three temporary piezometers, four springs, one stream sample, one temporary monitoring well, and five vapor extraction wells. The locations were then plotted on a base map for horizontal and vertical control (Plate 1).

2.4 RECONNAISSANCE OF SPRINGS AND TRIBUTARIES

As specified in the EPA approved SAP, on June 23, 2004 a reconnaissance of the springs and tributaries was performed downgradient of the Site with Mr. Greg Powell of USEPA and Mr. Marv Gobles of CTS. The reconnaissance began at the headwaters of the unnamed tributary originating at Spring-01 through Spring-04 (see Plate 2). From there, the group walked in a downstream direction following the tributary, across Mills Gap Road, along Concord Road, and to the point where the tributary reached its confluence with Robinson Creek. The reconnaissance was performed in order to determine if there were other springs or seeps that may potentially be impacted by releases from the Site. In addition, there were three other minor tributaries (tributaries to the unnamed tributary) that were investigated. They are located

south of the Site and flow east/northeast and empty into the unnamed tributary upstream of the confluence with Robinson Creek. Other than the original four springs previously located and illustrated on Plate 2, no other seeps or springs were identified.

3.0 DATA EVALUATION AND DISTRIBUTION OF CONSTITUENTS

To present the analytical results of the soil and water samples collected as part of the SAP in a manner such that evaluation could be performed, "hits-only" tables were prepared. A hits-only table provides a summary of all of the constituents that were detected in the samples. Many of the constituents for which the samples were analyzed were not detected in any one sample. In that case, those compounds (not detected in any sample) are excluded from a hits-only table. A complete reporting of all of the analytical results, including the non-detects, is provided on the analytical laboratory results provided in Appendix B.

The analytical results of those compounds detected in soil and water (the "hits only") are presented are on Table 12 through Table 15. Each table presents compounds grouped according to analytical method (VOCs, SVOCs, metals, organoclorine pesticides, and PCBs. For data evaluation purposes, the constituent concentrations were plotted on maps to delineate the distribution of constituents. This technique enabled identification of the areas within the unsaturated soils that contain the bulk of the contaminant mass. These areas will be the focus of attention for design of the removal systems.

3.1 CONSTITUENT CONCENTRATIONS IN SOIL

The analytical results of the VOCs detected in soil are summarized on Table 12. The analytical results of the SVOCs and PCBs detected in soil are summarized on Table 13. The analytical results of the TAL Metals, cyanide, and TCL Pesticides detected in soil are summarized on Table 14. The following observations were made from review of the data.

- Trichloroethylene (TCE) was frequently detected in soils at elevated concentrations.

- The highest TCE concentrations in soil were detected in BH-34B [440,000 (micrograms per kilogram) ug/kg], BH-20C (240,000 ug/kg), and BH-22C (95,000 ug/kg).

- Soil sample BH-22C was the location which had the most compounds detected at elevated concentrations in soil.

3.2 VOCS, SVOCS, AND TPH-DRO CONCENTRATIONS IN WATER

The analytical results of the VOCs, SVOCs, and TPH-DRO concentrations detected in water are summarized on Table 15. The following observations were made from review of the data.

- The VOCs that were detected in water at elevated concentrations were: 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), benzene, methylene chloride, cis-1,2-Dichloroethene (cis-1,2-DCE), PCE, TCE, and vinyl chloride.

- TPH-DRO, TCE, benzene, 1,1-DCE, and cis-1,2-DCE were detected in every water sample collected.

- No PCBs were detected in water.

- The highest TPH-DRO concentration in water was collected from Spring-01 [14,000 (micrograms per liter) ug/L] while the highest TCE concentration was detected in Spring-02 (22,000 ug/L)

3.3 DISTRIBUTION OF CONSTITUENTS

Cross sections A-A' (Figure 4) and B-B' (Figure 5) were prepared to provide a cross sectional view of the site features (the site topography, the location of the building, the water table surface, and the top of boring refusal), and the depth of specific soil sample intervals within each of the borings. The TCE concentrations are also depicted adjacent to each respective soil sample interval. The location of the cross sections is illustrated on Plate 2. Cross section A-A' is generally oriented east-west such that it transects through piezometer PZ-1 (such that the water table is displayed), through the borings with the highest TCE concentrations (BH-1 and BH-3) beneath the on-site building and extends off-site to well TW-1 and Spring-02 (which had the highest TCE concentration in water). Some of the samples collected at BH-1 and BH-3 (Lockheed Martin, 2001) appear to have been collected from below the water table. It should be noted that there is an apparent conflict between the boring depths and soil sample depths reported for borings BH-1 and BH-3. As shown on cross section A-A', two of the soil sample intervals are reported to have been collected from below the reporting depth of the borings.

Cross section B-B' is generally oriented north-south. This section transects piezometer PZ-2, boring BH-22 (which had the highest toluene and 1,1,1-Trichloroethane concentration in soil), and through the SVE well (VE-1) and observation well (OW-1). The depth to the top of refusal increases toward the north while the water table is relatively on strike (flat). Both sections intersect near the area identified as the center of the TCE affected soil. The approximate limit of TCE affected soil is illustrated on both sections.

The distribution of TCE, PCE, and TPH-DRO is illustrated on Figure 6, Figure 7, and Figure 8 respectively. The soil sampling interval and the respective soil concentration is posted adjacent to each boring. Samples that are believed to have been collected from below the water table are displayed on the maps but are noted with an asterisk. To determine whether soil samples were collected from the unsaturated zone, a water table map was prepared utilizing the data from the three piezometers (Figure 9). Also, the soil sample intervals and approximate depth to the water table (as depicted on Figure 9) were tabulated (See Table 17). Most of the samples were clearly determined to have been collected from unsaturated soils. However, in some cases (if the sample interval is within one foot of the depicted water table) there is less certainty. Potential sources of uncertainty include collection of the sample within the capillary zone such that constituents could potentially "wick" to an elevation slightly above the water table, seasonal fluctuations of groundwater that would create a "smear zone" of constituents above the water table, or simple extrapolation error (as the water table map is projected away from known control points toward subject borings of interest).

3.3.1 Distribution of TCE in Soil

The approximate extent of TCE in soil is depicted on Figure 6. The highest TCE concentration observed was in boring BH-3 (32.0 to 34.0 feet). However, this sample was clearly collected from below the water table. Nonetheless, it is located within fifty feet of BH-1 which had a sample with the second highest TCE concentration collected from above the water table. Boring BH-34 (12.0 to 13.5 feet) located outside of the building had the highest TCE concentration from an unsaturated soil.

The TCE concentrations detected in BH-12 (Lockheed, 2001) appear to be somewhat anomalous with the results of this investigation. This location is outside of the building. Three borings (BH-27, BH-31, and BH-30) surround and are in close proximity to the BH-12 location. The soil samples from these borings

did not detect TCE while the TCE concentrations in BH-12 were detected at 110,000 [milligrams per kilogram (mg/kg)] and 140,000 mg/kg.

3.3.2 Distribution of PCE in Soil

The approximate extent of PCE affected soil (shown on Figure 7) lies within the extent of TCE affected soil. While the area of PCE affected soils is depicted to extend beneath the building, the majority is located outside (to the south). The highest PCE concentrations were detected in soil samples collected from BH-34 (4,800 ug/kg), and BH-32 (1,100 ug/kg). However, the soil sample collected from BH-34 was very close to the top of the water table. Thus, this concentration may be attributed to groundwater migration. Nonetheless, these two borings are located within 100 feet of one another.

3.3.3 Distribution of TPH-DRO in Soil

The TPH-DRO concentration detected in soil is illustrated on Figure 8. The total ion chromatograms for the soil samples with elevated concentrations are also illustrated. A number-2 diesel fuel is a mid-ranged hydrocarbon and the peak of the bell-shaped curve will plot on the chromatogram at approximately 8.7 minutes. Lighter range hydrocarbons, like gasoline, will plot to the left of the graph while heavier range hydrocarbons, like fuel oil, lubricating oil, or hydraulic oil will plot further to the right. In addition to reporting TPH-DRO concentrations, the laboratory provided details as to the type of hydrocarbon pattern that each sample resembled. This too is provided on Figure 8. The majority of the samples have patterns that resemble diesel. There was one location (BH-23 A) that had a pattern that resembled hydraulic oil. Diesel range organics were widely distributed in soils to the south and western side of the building. The highest concentrations were detected in boring BH-34 and BH-20.

The former 10,000-gallon #5 Fuel Oil AST is believed to have been the secondary source of fuel for the main boiler during that active life of the facility (the primary source was natural gas). The boiler room is located on the south wall of the facility near boring BH-32. The piping from the boiler to the tank is underground and thus, the exact location and orientation is unknown. To investigate the area surrounding the former 1,000-gallon #2 Fuel Oil AST and the piping presumed to be underground near the boiler at the back of the building, three borings (BH-32, BH-33, and BH-34) were installed. These borings were advanced to a depth of 8 feet. The sample BH-32A (4,500,000 mg/kg) was collected from 6 to 7 feet bgs

and had the highest TPH-DRO concentration of any of the shallow soil samples. The vicinity of BH-34, BH-32, is believed to be the source area for the TPH-DRO release.

4.0 SITE CONSIDERATIONS FOR IMPLEMENTATION OF REMOVAL ACTION

Detailed description of the regional and Site geology has been provided in previous Site reports (Law Environmental, Inc., 1987, Lockheed Martin Technology Services Group, July 12, 2001, NUS Corp, 1991, and Weston Solutions, Inc, 2003). To assist in the design of a SVE system, a Water Table Configuration Map (Figure 9) and a Top of Refusal Structure Map (Figure 10) were prepared. These surfaces will be taken into consideration when determining the appropriate depth and screened intervals of the SVE wells. As shown on cross section B-B', the top of refusal rises above the water table surface to the south of the building. The top of DPT refusal is an indication that resistance to drilling is increasing and that the boring may be approaching what is referred to as partially weather rock (PWR). The top of PWR is typically defined as auger refusal. SVE wells will be installed with an auger rig. Thus, refusal may be encountered south of the building at a depth above that of the water table.

Continuous soil samples were collected while drilling the DPT borings, as well as while installing the vapor extraction well (VE-1), and observation wells (OW-1 through OW-4) which were installed with hollow-stem augers. Description of the Site soils, provided on the borelogs (Appendix B), indicated that the soils beneath the building are comprised of sandy silt, silty sand, and sand. These soil materials consist of completely decomposed bedrock (weathered in-place) known as saprolite. The saprolitic soils have relict structure (structural remnants from the original parent rock) that can provide preferential pathways for fluid or vapor migration. The silty and sandy soils that are present beneath the building should be conducive for removing contaminants via soil vapor extraction.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are provided.

- Eight potable water wells were previously identified near the Site that remain in service. Fifty-eight additional properties have been identified within the one mile study area that had some sort of a well structure present on-site indicating the potential for an on-site private well or spring. Of these 58 properties and the eight wells in service that were originally identified, nine are considered to have a reasonable potential of being impacted by a release from the Site (six potential wells and three existing wells). Further evaluation of these nine properties should be conducted to verify the presence or absence of an on-site private water well or spring.

- Measurements of the surface water discharge from the four springs indicate that following a one-inch rainfall event, the combined peak discharge was 0.20 cfs approximately two days later. Using other methods (Mannings Equation and the Rational Method), peak discharge estimates for a one-year storm even ranged from 1.5 to 21.0 cfs. A study performed on a similarly sized water shed in North Carolina, reported the peak discharge for a one year monitoring to be a maximum of 3.6 cfs. The feasibility of containment of the springs, or other removal action options should be evaluated utilizing this range of discharge.

- No other seeps or springs were identified downgradient of the Site during the tributary reconnaissance besides the four original springs that were sampled.

- The depth to groundwater beneath the floor of the building ranges from approximately 15 feet on the western side of the building down to approximately 21 feet toward the east.

- Many of the soil samples collected as part of previous Site investigation (which had the highest constituent concentrations) were collected from below the water table. Thus, because these samples were not collected from unsaturated soils, they were not utilized for the purpose of determining the area requiring constituent removal.

Review of constituent concentrations present in soils and in water, resulted in the following observations:

- Trichloroethylene (TCE) was the VOC most frequently detected in soils at an elevated concentration.

- The VOCs that were detected in water at an elevated concentration were: 1,1,1-TCA, 1,1-DCA, 1,1-DCE, benzene, methylene chloride, cis-1,2-DCE, PCE, TCE, and vinyl chloride.

- The highest TPH-DRO concentration in water was collected from Spring-01 (14,000 ug/L) while the highest TCE concentration was detected in Spring-02 (22,000 ug/L).

Conclusions regarding the specific potential source areas that were investigated are as follows.

- The pit located in the southeast corner of the former plating room, and the trench drains leading to the pit, were previously suspected to be a potential source area for the TCE release. While this potential can not be entirely ruled out, soil concentrations from this area do not indicate this to be an obvious source.

- The specific source area or mechanism of TCE release remains unknown. However, the distribution TCE in soil is well defined and the center of mass is in the area of borings BH-1, BH-3, and BH-1.

- The horizontal and vertical distribution of constituents has been adequately delineated for removal action purposes. Further delineation or refinement of the contaminant mass characterization may be developed in the process of installing, operating, and monitoring the SVE system.

- A major contributing source of the hydrocarbon release is believed to be from the former 10,000-gallon #5 Fuel Oil AST. Soil samples collected from this area had the highest TPH-DRO concentration of any of the shallow soil samples. The source area for the TPH-DRO release is believed to be in the vicinity of borings BH-34, BH-32.

- The source of the 1,1,1-trichloroethane, benzene, ethylbenzene and toluene products is unknown. However, these constituents appear to have come from the same source area as one another as they each tend to be present in the same soil samples.

- Soil concentrations from borings drilled around the former wastewater treatment plant indicate that this plant does not appear to have been a significant source of constituent release.

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TABLES

Table 1
Summary of Discharge Measurements
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Date/Time	Precipitation (in)	Area at Station 1 (in^2)	Area at Station 2 (in^2)	Average Area (in^2)	Average Velocity (ft/sec)	Discharge (cfs)	Discharge (gpm)
7/9/04 12:00 AM	0.00						
7/12/04 8:00 AM	0.20	25.6	19.4	22.5	0.71	0.11	50
7/13/04 8:30 AM	0.00	26.7	18.5	22.6	0.81	0.13	57
7/14/04 9:00 AM	0.00	26.7	19.1	22.9	0.78	0.13	58
7/15/04 8:15 AM	0.01	25.6	18.2	21.9	0.77	0.12	52
7/16/04 8:15 AM	0.00	25.6	18.7	22.2	0.78	0.12	54
7/18/04 9:45 AM	0.40	18.0	19.6	18.8	0.79	0.13	57
7/19/04 8:00 AM	0.00	20.0	17.1	18.5	0.76	0.10	46
7/20/04 8:00 AM	0.00	17.0	16.3	16.7	0.84	0.10	43
7/26/04 5:00 PM	0.04	19.3	27.1	23.2	0.77	0.12	56
7/27/04 8:00 AM	0.45	22.3	25.3	23.8	0.79	0.13	59
7/28/04 8:00 AM	0.65	15.2	28.4	21.8	0.86	0.13	59
7/29/04 8:00 AM	0.00	14.6	26.1	20.3	0.74	0.10	47
7/30/04 8:15 AM	0.00	16.4	27.7	22.0	0.83	0.13	57
7/31/04 10:00 AM	0.10	17.4	27.3	22.3	0.89	0.14	62
8/1/04 11:00 AM	0.00	15.4	26.2	20.8	0.76	0.11	50
8/2/04 7:45 AM	0.60	14.9	28.2	21.5	0.80	0.12	54
8/3/04 8:15 AM	1.00	23.1	31.2	27.1	0.85	0.16	72
8/4/04 8:30 AM	0.00	26.3	33.7	30.0	0.90	0.19	84
8/5/04 8:30 AM	0.00	22.7	35.0	28.8	0.80	0.19	87
8/6/04 8:15 AM	0.05	29.0	29.7	29.4	0.81	0.17	74

Notes:
1. Station 2 is 2.75 feet downstream from Station 1.
2. Average area of Stations 1 and 2 used to calculate discharge.
3. Average velocity is based on average of at least three measurements.
4. Data collected by MACTEC personnel.
5. cfs = cubic feet per second; gpm = gallons per minute; in = inches; in^2 = square inches; ft/sec = feet per second
6. * = Rain gauge placed onsite.

Prepared by: MLD
Checked by: JTM

Table 2
Comparison of Discharge Estimates
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Date	Area (in^2)	Hydraulic Radius, R (ft)	Discharge (cfs)	
			Manual Measurement	Manning's Equation
7/20/2004 (lowest flow)	16.3	0.05	0.095	0.058
7/30/2004 (average flow)	27.7	0.08	0.160	0.134
8/05/2004 (highest flow)	35.0	0.10	0.195	0.196

Notes:
1. Assumed roughness coeficient, n , of 0.09.
2. Assumed slope, S , of 0.05.
3. Area measurements are from Station 2 (downstream).
4. cfs = cubic feet per second
5. in^2 = inches squared
6. ft. = feet

Prepared by: CHLD
Checked by: RJM

Table 3
Estimates of Discharge Based on the Rational Method
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Time (hours)	Intensity (in/hour)			Peak Discharge (cfs), C = 0.25			Peak Discharge (cfs), C = 0.48		
	1-year	2-year	10-year	1-year	2-year	10-year	1-year	2-year	10-year
0.5	2.0	2.4	3.4	21.0	24.8	35.3	40.4	47.6	67.8
1	1.3	1.5	2.2	13.5	15.5	23.0	26.0	29.8	44.2
2	0.9	0.9	1.3	9.5	9.1	13.3	18.2	17.4	25.6
3	0.6	0.6	0.9	6.4	6.4	9.3	12.3	12.2	17.8
6	0.4	0.4	0.5	4.3	3.9	5.5	8.3	7.4	10.6
12	0.3	0.2	0.3	2.7	2.4	3.4	5.2	4.6	6.6
24	0.1	0.1	0.2	1.5	1.5	2.1	2.9	2.8	4.0

Notes:
1. Discharge calculated using $Q = CiA$, where C represents the runoff coefficient, A represents the drainage area (0.065 square miles), and i represents the intensity for corresponding storm frequency.
2. Intensity rates obtained from NOAA precipitation frequency estimates (NOAA Atlas 14).
3. cfs = cubic feet per second
4. in. = inches

Prepared by: CHS
Checked by: ZMY

Table 4
Estimate of Peak Discharge Using Rural Blue Ridge Parameters
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Rural Flood Recurrence Interval (years)	Blue Ridge - Piedmont Flood-Frequency Equation	Flow (cfs)	Negative Error (0.78)	Positive Error (1.42)
2	$135DA^{0.702}$	20	15	28
5	$242DA^{0.667}$	39	30	56
10	$334DA^{0.662}$	55	43	78
25	$476DA^{0.645}$	82	64	116
50	$602DA^{0.635}$	106	83	151
100	$745DA^{0.625}$	135	105	192
200	$908DA^{0.616}$	169	132	239
500	$1160DA^{0.605}$	222	173	315

Notes
1. From "Estimating the Magnitude and Frequency of Floods in Rural Basins of North Carolina - Revised," USGS WRIR 01-4207, 2001.
2. Assumed drainage area, *DA* , of 0.065 square miles.
3. Assumed error of prediction of 42 percent (from referenced paper).
4. cfs = cubic feet per second

Prepared by: MLA
Checked by: 7/24

Table 5
Boring Elevations and Survey Coordinates
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Location	Date Drilled	Elevation Ground Surface (msl)	Northing [1]	Easting [1]	Boring Depth (ft bgs)	Refusal (ft bgs)	Refusal Elevation (ft msl)
BH- 1	May-01	2,417.15	652626.3634	956420.3679	32	32	2,385.15
BH-2	May-01	(2)	(2)	(2)	21	21	
BH- 3	May-01	2,417.25	652634.4129	956470.4897	32	32	2,385.25
BH- 4	May-01	2,417.09	652612.4212	956337.7965	27	27	2,390.09
BH- 5	May-01	2,416.92	652706.4548	956254.3908	34	34	2,382.92
BH- 6	May-01	2,417.00	652727.4838	956357.4733	22	22	2,395.00
BH- 7	May-01	2,416.98	652742.0627	956431.9738	34	34	2,382.98
BH- 8	May-01	2,417.11	652684.4267	956462.4964	31.5	31.5	2,385.61
BH- 9	May-01	2,417.19	652627.4110	956531.8162	31	31	2,386.19
BH- 10	May-01	2,417.12	652611.3974	956371.7718	31	31	2,386.12
BH- 11	May-01	2,417.11	652596.6909	956412.0685	12	12	2,405.11
BH-12	May-01	(2)	(2)	(2)	19	19	
BH- 13	6/24/2004	2,417.20	652667.5699	956300.9015	16	16	2,401.20
BH-14 / PZ-1	6/22/2004	2,417.05 [3]	652594.2436	956308.1951	21	*	*
BH- 15	6/23/2004	2,417.26	652654.9607	956406.9079	16	*	*
BH- 16	6/24/2004	2,417.25	652727.9651	956403.8665	16	*	*
BH- 17	6/24/2004	2,417.27	652669.6578	956431.0916	16	*	*
BH- 18	6/24/2004	2,417.66	652547.7345	956388.2327	16	*	*
BH- 19	6/28/2004	2,425.91	652532.4322	956332.6341	21.2	21.2	2,404.71
BH-20 / PZ-2	6/22/2004	2,417.03 [3]	652715.4344	956530.5140	34	34	2,383.31
BH- 21	6/25/2004	2,417.31	652678.7632	956526.2035	20	*	*
BH- 22	6/28/2004	2,417.30	652632.0071	956498.8909	20	*	*
BH- 23	6/25/2004	2,417.05	652559.9644	956488.5357	16	18.8	2,398.25
BH- 24	6/28/2004	2,431.79	652486.0201	956486.1227	15.9	15.9	2,415.89
BH- 25	6/25/2004	2,417.27	652685.7471	956591.9013	18.4	18.4	2,398.87
BH- 26	6/28/2004	2,417.21	652655.9688	956587.5705	18.5	18.5	2,398.71
BH- 27	6/25/2004	2,416.99	652612.9905	956592.8477	19.2	19.2	2,397.79
BH- 28	6/25/2004	2,417.44	652590.0925	956560.4866	16	*	*
BH- 29 / PZ-3	6/23/2004	2,425.25 [3]	652538.5865	956567.1326	40	*	*
BH- 30	6/28/2004	2,417.68	652633.8068	956654.8797	20	*	*
BH- 31	6/25/2004	2,418.70	652592.7483	956625.5000	20	*	*
BH- 32	6/24/2004	2,417.24	652584.0290	956447.6370	6.9	6.9	2,410.34
BH- 33	6/24/2004	2,416.87	652567.4548	956461.0359	8	8	2,408.87
BH- 34	6/24/2004	2,417.02	652566.4694	956439.0891	13.5	13.5	2,403.52

Prepared by: GILD
Checked by: RM

Table 5
Boring Elevations and Survey Coordinates
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Location	Date Drilled	Elevation Ground Surface (msl)	Northing [1]	Easting [1]	Boring Depth (ft bgs)	Refusal (ft bgs)	Refusal Elevation (ft msl)
Culvert [4]	NA	2,345.47	652509.4084	957272.4418	NA	*	*
Spring -01	NA	2,366.43	652553.1244	956836.4416	NA	*	*
Spring -02	NA	2,363.08	652611.5989	956927.3746	NA	*	*
Spring -03	NA	2,361.36	652626.7777	956959.6189	NA	*	*
Spring -04	NA	2,351.72	652571.4848	957104.3695	NA	*	*
TW-1	6/22/2004	2,371.96 [3]	652635.1002	956906.8492	13.75	*	*
VE-1	6/30/2004	2,417.18 [3]	652591.9797	956465.3006	16.16	*	*
OW-1	6/30/2004	2,416.98 [3]	652591.7974	956460.0566	16.26	*	*
OW-2	6/30/2004	2,416.98 [3]	652589.4225	956476.7638	16.21	*	*
OW-3	6/30/2004	2,416.68 [3]	652578.8017	956477.6980	16.18	*	*
OW-4	6/30/2004	2,416.59 [3]	652568.2262	956471.9046	16.22	*	*

Notes:
1. Coordinates are in North Carolina State Plane
2. The locations of BH-2 and BH-12 (which were drilled previously by others) could not be identified in the field and thus was not surveyed.
3. Elevation is from the top of Poly(vinyl chloride) Casing.
4. Invert of culvert in stream downgradient of Spring-04.
5. BH = Bore Hole; TW = Test Well; PZ = Piezometer; VE = Vapor Extraction Well; OW = Observation Well (for Soil Vapor Extraction pilot test),
6. ft. msl = Feet above Mean Sea Level; ft. bgs = Feet Below Ground Surface; NA = Not Applicable
7. * means Refusal not encountered

Prepared by: UHLD
Checked by: 7/14

Table 6
PID Readings in Direct Push Borings
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Depth (feet bgs)	PID Reading (ppm)																					
	BH-13	BH-14	BH-15	BH-16	BH-17	BH-18	BH-19	BH-20	BH-21	BH-22	BH-23	BH-24	BH-25	BH-26	BH-27	BH-28	BH-29	BH-30	BH-31	BH-32	BH-33	BH-34
0.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	NR	NR	NR	NR
0.5	NR	NR	*	NR	NR	NR	NR	*	NR	NR	NR	0.0	*	0.0	0.0	0.0	0.0	0.0	NR	NR	1.3	0
1.0	0.2	0.0	*	3.0	3.2	0.0	0.0	0.0	0.0	NR	0.0	0.1	10.0	0.0	0.0	0.0	0.0	0.0	3.9	5.3	2	0.1
1.5	2.2	*	1.3	1.3	10.0	0.0	0.0	*	0.4	1.6	0.0	0.1	5.0	0.0	0.0	0.1	0.0	0.0	0.0	7.1	2.3	1.1
2.0	2.8	0.0	0.4	1.7	9.0	0.0	0.1	0.0	0.7	2.3	2.6	0.1	4.0	0.0	0.0	0.1	0.0	0.0	0.0	4.1	2.7	4.2
2.5	NR	*	0.4	2.0	6.0	0.0	0.2	*	1.1	1.5	0.2	0.0	2.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	3	10
3.0	NR	0.0	0.2	4.0	14.5	0.0	0.4	0.0	1.6	1.0	0.1	0.1	5.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	3.2	4.2
3.5	NR	*	0.2	2.8	12.2	0.1	0.1	*	2.3	0.3	0.1	0.1	1.2	0.0	0.0	0.2	0.0	0.0	0.0	0.4	3.4	4.2
4.0	NR	0.0	*	1.2	7.4	0.2	0.0	0	0.5	0.0	0.0	0.1	4.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	4.5	1.6
4.5	4.6	*	5.4	2.0	31.0	0.0	2.1	*	2.7	0.0	0.0	0.0	1.4	0.0	0.0	0.1	0.0	0.0	0.0	6.5	4.6	1.4
5.0	2.5	0.0	2.2	13.0	51.0	0.0	0.0	0.3	3.9	0.6	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.5	4.8	1
5.5	1.0	*	1.4	13.0	15.0	0.1	0.0	*	3.6	0.7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.1	0.5	4.9	14
6.0	0.6	0.0	2.1	20.0	13.0	2.3	0.0	0.1	1.6	2.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.1	4.9	5
6.5	0.5	*	0.3	60.0	0.4	0.6	0.0	*	3.8	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	11.0	5	2.8
7.0	2.5	0.0	0.6	90.0	8.3	0.3	0.0	0.1	3.9	0.0	0.0	0.0	1.3	0.0	0.0	0.3	0.0	0.0	0.0	23.0	5.2	6.8
7.5	1.5	*	3.9	30.0	5.8	0.3	0.6	0.0	1.6	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	Td-6.9	5.1	2.9
8.0	1.5	0.0	*	10.0	13.8	0.3	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.1	2
8.5	2.4	*	26.9	0.0	3.0	0.0	0.0	*	18.3	6.1	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0		Td-8	11.1
9.0	0.8	0.0	4.1	0.0	2.7	1.5	4.9	*	6.7	7.9	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0			9.4
9.5	0.5	*	7.9	0.4	6.4	1.6	0.3	0.1	25.0	3.3	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0			3.7
10.0	0.8	0.0	9.3	0.3	2.8	10.6	0.0	0.1	11.3	7.4	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0			20.1
10.5	2.2	*	32.0	1.2	5.2	1.5	5.8	*	12.0	6.9	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0			17.5
11.0	2.2	0.0	5.9	0.0	2.6	1.1	11.6	0.0	13.0	8.1	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0			76.5
11.5	1.0	*	17.4	0.0	2.0	1.0	3.8	*	15.4	32.9	0.6	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0			519
12.0	0.3	0.0	*	0.0	0.4	0.5	0.8	0.0	27.0	13.0	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0			475
12.5	1.5	*	18.1	9.8	5.2	0.0	5.8	0.0	3.0	80.0	0.4	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0			824
13.0	2.5	0.0	20.9	9.1	11.6	3.4	5.2	0.1	12.0	118	4.5	0.0	3.4	0.0	0.0	0.1	0.0	0.0	0.0			1247
13.5	1.0	*	12.4	5.1	7.0	2.6	5.7	0.2	31.8	94.5	1.2	0.0	3.5	0.0	0.0	1.1	0.0	0.0	0.0			1521
14.0	1.0	0.0	43.8	1.0	3.0	2.5	7.1	0.2	27.0	65.5	18.2	0.0	2.2	0.0	0.0	0.7	0.0	0.0	0.0			Td-13.5

Prepared by: CLD
Checked by: 7/29

Table 6
PID Readings in Direct Push Borings
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Depth (feet bgs)	PID Reading (ppm)																					
	BH-13	BH-14	BH-15	BH-16	BH-17	BH-18	BH-19	BH-20	BH-21	BH-22	BH-23	BH-24	BH-25	BH-26	BH-27	BH-28	BH-29	BH-30	BH-31	BH-32	BH-33	BH-34
14.5	0.6	*	20.0	0.1	2.0	4.0	2.5	0.1	22.3	0.0	8.0	0.0	1.5	0.0	0.0	2.5	0.0	0.0	0.0			
15.0	0.5	0.0	6.4	4.0	2.0	11.0	4.0	0.2	60.0	21.7	92.0	0.0	0.5	0.0	0.0	3.6	0.0	0.0	0.0			
15.5	2.0	*	8.3	2.0	4.5	19.6	0.1	0.1	201	17.0	91.0	0.0	4.9	0.0	0.0	8	0.0	0.0	0.0			
16.0	0.2	0.0	*	2.5	1.0	8.0	0.0	*	76.8	14.5	30.0	Td-15.9	7.0	0.0	0.0	14.8	0.0	0.0	0.0			
16.5		*	Td-16	Td-16	Td-16	Td-16	0.0	*	25.4	NR	Td-16		6.0	0.0	0.0	Td-16	0.0	0.0	0.0			
17.0		0.0					0.0	0.0	280	NR			13.6	0.0	0.0		0.0	0.0	0.0			
17.5		*					0.0	5.2	421	NR			10.5	0.0	0.0		0.0	0.4	0.0			
18.0		0.0					1.3	4.1	294	368			17.0	0.0	0.0		0.0	0.1	0.0			
18.5		*					0.8	1.1	400	350			Td-18.4	0.0	0.0		0.0	0.1	0.0			
19.0		0.0					9.8	*	486	368				Td-18.5	0.0		0.0	0.1	0.0			
19.5		*					1.4	1.1	387	352					Td-19.2		0.0	0.2	0.0			
20.0		0.0					0.2	*	353	Td-20							0.0	0.3	0.0			
20.5		Td-21					0.0	9.7	Td-20								0.0	Td-20	Td-20			
21.0							4.5	5.2									0.0					
21.5							Td-21.2	1.1									0.0					
22.0								10.4									0.0					
22.5								15.4									0.0					
23.0								19.5									0.0					
23.5								*									0.0					
24.0								0.0									0.0					
24.5								*									0.0					
25.0								11.1									2.2					
25.5								5.1									*					
26.0								10.1									4.3					
26.5								3.1									*					
27.0								13.1									9.5					
27.5								9.5									*					
28.0								*									*					
28.5								7.1									2.0					
29.0								1.1									7.6					
29.5								3.4									*					

Prepared by: [illegible]
Checked by: [illegible]

Table 6
PID Readings in Direct Push Borings
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Depth (feet bgs)	PID Reading (ppm)																					
	BH-13	BH-14	BH-15	BH-16	BH-17	BH-18	BH-19	BH-20	BH-21	BH-22	BH-23	BH-24	BH-25	BH-26	BH-27	BH-28	BH-29	BH-30	BH-31	BH-32	BH-33	BH-34
30.0								1.1									0.0					
30.5								*									*					
31.0								*									*					
31.5								*									*					
32.0								*									0.0					
32.5								*									2.0					
33.0								*									2.2					
33.5								*									11.4					
34.0								Td-34									0.8					
34.5																	11.2					
35.0																	3.2					
35.5																	*					
36.0																	*					
36.5																	*					
37.0																	*					
37.5																	*					
38.0																	*					
38.5																	*					
39.0																	*					
39.5																	*					
40.0																	Td-40					

Notes:
1. Bold and italicized values denote intervals in which soil samples were collected for lab analysis.
2. Td-16 means total depth of boring is 16 feet below ground surface.
3. PID - Photoionization Detector (MiniRAE Plus PGM-50 Monitor)
4. * means no measurement recorded for the corresponding depth.
5. NR = No Recovery; ppm = parts per million
6. bgs = below ground surface
7. BH = Bore Hole

Prepared by: [illegible]
Checked by: [illegible]

Table 7
PID Readings in SVE Well Borings
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Depth (ft bgs)	PID Reading (ppm)				
	VE-1	OW-1	OW-2	OW-3	OW-4
0.0	NR	NR	NR	NR	NR
0.5	NR	NR	NR	NR	NR
1.0	NR	NR	NR	NR	NR
1.5	NR	NR	NR	NR	NR
2.0	NR	NR	NR	NR	NR
2.5	NR	NR	NR	NR	NR
3.0	NR	NR	NR	288	0.0
3.5	0.0	NR	40.3	220	0.0
4.0	0.0	0.0	98.9	160	0.0
4.5	0.0	0.0	168	266	0.0
5.0	0.0	0.0	41.0	282	0.0
5.5	NR	NR	NR	32.3	NR
6.0	NR	NR	NR	30.9	NR
6.5	NR	NR	NR	63.1	NR
7.0	NR	NR	NR	94.4	NR
7.5	NR	NR	NR	NR	NR
8.0	0.0	NR	0.0	72.9	NR
8.5	0.0	0.0	0.0	113	0.0
9.0	0.0	7.5	0.0	NR	0.0
9.5	0.0	9.2	0.0	124	0.0
10.0	0.0	25.8	0.0	37.6	6.0
10.5	NR	NR	NR	NR	NR
11.0	NR	NR	NR	NR	NR
11.5	NR	NR	NR	NR	NR
12.0	NR	NR	67.8	NR	54.6
12.5	NR	96.5	100	200	83.1
13.0	48.0	170	134	266	243
13.5	178	198	309	432	436
14.0	211	229	314	467	580
14.5	225	281	280	508	686
15.0	414	356	499	548	1,012
15.5	NR	NR	NR	290	729
16.0	752	371	515	411	850
16.5	826	456	467	431	546
17.0	908	517	465	425	663
17.5	924	457	400	445	763
18.0	482	403	371	565	1,200

Notes:
1. Water table encountered at approximately 16 feet below ground.
2. PID - Photoionization Detector (MiniRAE Plus PGM-50 Monitor)
3. NR = No Recovery; ppm = parts per million; ft. bgs = feet below ground surface
4. VE = Vapor Extraction
5. OW = Observation Well
6. SVE = Soil Vapor Extraction

Prepared by: CJLD
Checked by: JMY

Table 8
Soil Boring Sample Intervals and Corresponding Analytical Parameters
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Sample Name	Date	Sample Interval (feet bgs)	TCL VOCs	TCL SVOCs	TPH-DRO	TCL-PCBs	TAL-Metals	Cyanide	TCL Pesticides
Soil Samples									
BH-13A	6/24/2004	4.0 - 5.0							
BH-13B	6/24/2004	12.5 - 13.5							
BH-14A	6/22/2004	1.5 - 2.5							
BH-14B	6/22/2004	9.5 - 12.0							
BH-14C	6/22/2004	15.5 - 17.0							
BH-15A	6/23/2004	4.0 - 5.0							
BH-15B	6/23/2004	13.0 - 15.0							
BH-16A	6/24/2004	6.5 - 7.5							
BH-16B	6/24/2004	12.0 - 13.0							
BH-17A	6/24/2004	4.5 - 5.5							
BH-17B	6/24/2004	12.5 - 13.5							
BH-18A	6/24/2004	5.5 - 6.5							
BH-18B	6/24/2004	9.5 - 10.5							
BH-19A	6/28/2004	4.0 - 5.0							
BH-19B	6/28/2004	13.0 - 14.3							
BH-19C	6/28/2004	18.5 - 19.5							
BH-20A	6/22/2004	4.5 - 5.5							
BH-20B	6/22/2004	13.5 - 14.5							
BH-20C	6/22/2004	22.5 - 24							
BH-21A	6/25/2004	5.0 - 7.0							
BH-21B	6/25/2004	15.0 - 16.0							
BH-21C	6/25/2004	17.5 - 19.5							
BH-22A	6/28/2004	5.5 - 6.5							
BH-22B	6/28/2004	12.5 - 13.5							
BH-22C	6/28/2004	18.0 - 20.0							
BH-23A	6/25/2004	1.5 - 2.5							
BH-23B	6/25/2004	14.5 - 15.5							
BH-24A	6/28/2004	2.0 - 4.0							
BH-24B	6/28/2004	9.5 - 10.0							
BH-25A	6/25/2004	0.5 - 1.5							
BH-25B	6/25/2004	12.0 - 13.0							
BH-25C	6/25/2004	17.0 - 18.0							
BH-26A	6/28/2004	4.5 - 5.5							
BH-26B	6/28/2004	14.5 - 15.5							
BH-26C	6/28/2004	16.5 - 18.5							
BH-27A	6/25/2004	4.5 - 5.5							
BH-27B	6/25/2004	9.5 - 10.5							

Prepared by: GLD
Checked by: 7/14

Table 8
Soil Boring Sample Intervals and Corresponding Analytical Parameters
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Sample Name	Date	Sample Interval (feet bgs)	TCL VOCs	TCL SVOCs	TPH-DRO	TCL-PCBs	TAL-Metals	Cyanide	TCL Pesticides
Soil Samples									
BH-27C	6/25/2004	15.5 - 16.5							
BH-28A	6/25/2004	2.5 - 3.5							
BH-28B	6/25/2004	15.0 - 16.0.							
BH-29A	6/23/2004	4.5 - 5.5							
BH-29B	6/23/2004	14.5 - 15.5							
BH-29C	6/23/2004	19.5 - 20.5							
BH-29D	6/23/2004	26.5 - 27.5							
BH-30A	6/28/2004	4.5 - 5.5							
BH-30B	6/28/2004	14.5 - 15.5							
BH-30C	6/28/2004	17.0 - 18.0							
BH-31A	6/25/2004	5.5 - 6.5							
BH-31B	6/25/2004	11.5 - 12.5							
BH-31C	6/25/2004	18.0 - 19.0							
BH-32A	6/24/2004	6.0 - 7.0							
BH-33A	6/24/2004	6.5 - 7.5							
BH-34A	6/24/2004	5.0 - 6.0							
BH-34B	6/24/2004	12.0 - 13.5							
Aqueous Samples									
Spring 01	6/22/2004	At Surface	*	*	*	*			
Spring 02	6/22/2004	At Surface	*	*	*	*			
Spring 03	6/22/2004	At Surface	*	*	*	*			
Spring 04	6/22/2004	At Surface	*	*	*	*			
SW-5	6/22/2004	At Surface	*	*	*	*			
TW-1	6/23/2004	NA	*	*	*	*			

Notes:

1. Analytical Methods for Soil Samples:
   TCL VOCs - Target Compound List Volatile Organic Compounds (SW-846 Method 8260B)
   TCL SVOCs - Target Compound List Semivolatile Organic Compounds (SW-846 Method 8270C)
   TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics (SW-846 Method 8015B)
   Cyanide - (SW-846 Method 9012A)
   TAL Metals - Target Analyte List Metals (SW-846 Method 6010B)
   TCL Target Compound List Pesticides - (SW-846 Method 8081A)
   TCL PCBs - Target Compound List Polychlorinated Biphenyls (SW-846 Method 8082)
2. Analytical Methods for Water Samples:
   TCL VOCs - Method 8260B
   TCL SVOCs - Method 3520C (acid only)
   TCL PCBs - Method 8082
   TPH-DRO - Method 8015B
3. Shading indicates the list of compounds for which each respective sample was analyzed.
4. NA = Not Applicable; bgs = below ground surface

Prepared by: CLD
Checked by: 7/14

Table 9
Analytical Methods for Soil and Water
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

	Soil		Water	
	Sample Preparation Method	**Analysis Method**	**Sample Preparation Method**	**Analysis Method**
TCL VOCs	5035	8260B	5030B	8260B
TCL SVOCs	3550B	8270C	3520C (Acid Only)	8270C
TPH-DRO	3550B DRO	8015B	3520C DRO	8015B
TCL PCBs	3550B PP	8082	3520C PP	8082
TAL Metals	3050B	6010B	NA	NA
Cyanide	9012A	9012A	NA	NA
TCL Pesticides	3550B PP	8081A	NA	NA

Notes:
1. TCL VOCs - Target Compound List Volatile Organic Compounds
2. TCL SVOCs - Target Compound List Semivolatile Organic Compounds
3. TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics
4. TCL PCBs - Target Compound List Polychlorinated Biphenyls
5. TAL Metals - Target Analyte List Metals
6. NA = Not Applicable

Prepared by: MLD
Checked by: 7/19

Table 10
Piezometer / Well Construction Details and Water Level Measurements
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Well ID	Elevation of Top of Casing (ft. msl)	Date of Installation	Well Depth (ft. bgs)	Screened Interval (ft. bgs)
PZ-1	2,417.05	6/22/2004	19.60	9.35 - 19.35
PZ-2	2,417.03	6/22/2004	33.75	23.5 - 33.5
PZ-3	2,425.25	6/23/2004	38.35	28.1 - 38.1
TW-1	2,371.96	6/22/2004	13.75	12.5 - 2.5
VE-1	2,417.18	6/30/2004	16.16	5.94 - 15.94
OW-1	2,416.98	6/30/2004	16.26	6.04 - 16.04
OW-2	2,416.98	6/30/2004	16.21	5.99 - 15.99
OW-3	2,416.68	6/30/2004	16.18	5.96 - 15.96
OW-4	2,416.59	6/30/2004	16.22	6.00 - 16.00

Well ID	Depth to Water 6/23/04 (ft. bgs)	Elevation of Water 6/23/04 (ft. msl)	Depth to Water 6/25/04 (ft. bgs)	Elevation of Water 6/25/04 (ft. msl)	Depth to Water 6/28/04 (ft. bgs)	Elevation of Water 6/28/04 (ft. msl)	Depth to Water 6/29/04 (ft. btc)	Elevation of Water 6/29/04 (ft. msl)	Depth to Water 7/19/04 (ft. btc)	Elevation of Water 7/19/04 (ft. msl)
PZ-1	14.50	2,402.55	-	-	14.45	2,402.60	14.17	2,402.88	13.91	2,403.14
PZ-2	*	*	20.78	2,396.25	20.78	2,396.25	20.53	2,396.50	20.16	2,396.87
PZ-3	*	*	*	*	28.58	2,396.67	28.34	2,396.91	28.03	2,397.22
TW-1	4.75	2,367.21	-	-	-	-	4.54	2,367.42	-	-

Notes:
1. ft. msl - Feet above Mean Sea Level; ft. btc - Feet below Top of Casing
2. NA = Not Applicable
3. * - Piezometer not constructed yet.
4. "-" No measurement taken.
5. PZ = Piezometer
6. TW = Temporary Well
7. VE = Vapor Extraction
8. OW = Observation Well

Prepared by: ALD
Checked by: RJM

Table 11
Summary of Quality Control Samples
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Sample Name	Sample Date	Corresponding Sample/Cooler	Matrix	Analytical Suite
DUP-01B	6/24/2004	BH-15B	soil	FULL
DUP-02	6/24/2004	BH-34A	soil	STD
DUP-03	6/25/2004	BH-31C	soil	STD
DUP-04	6/25/2004	BH-21C	soil	STD
DUP-05	6/28/2004	BH-26B	soil	STD
FB-01	6/22/2004		water	VOC
FB-02	6/24/2004		water	VOC
FB-03	6/23/2004		water	VOC
FB-04	6/25/2004		water	VOC
FB-05	6/28/2004		water	VOC
RB-01	6/23/2004		water	VOC
RB-02	6/24/2004		water	VOC
RB-03	6/25/2004		water	STD
RB-04	6/28/2004		water	STD
TRIP BLANK - 01	6/22/2004	cooler 1	water	VOC
TRIP BLANK - 02	6/22/2004	cooler 2	water	VOC
TRIP BLANK - 03	6/22/2004	cooler 3	water	VOC
TRIP BLANK - 04	6/22/2004	cooler 4	water	VOC
TRIP BLANK - 05	6/22/2004	cooler 5	water	VOC
TRIP BLANK - 06	6/22/2004	cooler 6	water	VOC
TRIP BLANK - 07	6/23/2004	cooler 1	water	VOC
TRIP BLANK - 08	6/23/2004	cooler 2	water	VOC
TRIP BLANK - 09	6/23/2004	cooler 3	water	VOC
TRIP BLANK - 10	6/24/2004	cooler 1	water	VOC
TRIP BLANK - 11	6/24/2004	cooler 2	water	VOC
TRIP BLANK - 12	6/24/2004	cooler 3	water	VOC
TRIP BLANK - 13	6/25/2004	cooler 1	water	VOC
TRIP BLANK - 14	6/25/2004	cooler 2	water	VOC
TRIP BLANK - 15	6/25/2004	cooler 3	water	VOC
TRIP BLANK - 16	6/25/2004	cooler 4	water	VOC
TRIP BLANK - 16	6/25/2004	cooler 5	water	VOC
TRIP BLANK - 18	6/28/2004	cooler 1	water	VOC
TRIP BLANK - 19	6/28/2004	cooler 2	water	VOC
TRIP BLANK - 20	6/28/2004	cooler 3	water	VOC
TRIP BLANK - 21	6/28/2004	cooler 4	water	VOC

Notes:
1. Standard (STD) list soil Matrix includes TCL VOCs, TCL SVOCs, TCL PCBs, and TPH-DRO.
2. FULL list soil matrix includes STD list plus cyanide, TAL Metals, and TCL Pesticides.
3. DUP = duplicate sample; FB = field blank; RB = rinsate blank

Prepared by: CHLD
Checked by: ZMM

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-13A			BH-13B			BH-14A		
Compound	**Method**	**Units**	**PQL**	**Result**	**Qual.**	**PQL**	**Result**	**Qual.**	**PQL**	**Result**	**Qual.**
1,1,1-Trichloroethane	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
1,1-Dichloroethane	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	ND		9.8	ND		12.0	ND	
2-Hexanone	8260B	ug/kg	12.0	ND		9.8	ND		12.0	ND	
Acetone	8260B	ug/kg	24.0	ND		20.0	ND		25.0	ND	
Benzene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Ethylbenzene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Methylene chloride	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Naphthalene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Styrene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.9	3.5	JQ	4.9	ND		6.2	ND	
Toluene	8260B	ug/kg	5.9	ND		4.9	2.8	JQ	6.2	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	
Trichloroethene (TCE)	8260B	ug/kg	310.0	1,400		4.9	36		6.2	46	
Vinyl chloride	8260B	ug/kg	12.0	ND		9.8	ND		12.0	ND	
Xylenes (total)	8260B	ug/kg	5.9	ND		4.9	ND		6.2	ND	

			BH-14B			BH-14C			BH-15A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
1,1,2-Trichloroethane	8260B	ug/kg	4.5	ND		5.3	ND		5.5	1.1	JQ
1,1-Dichloroethane	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
2-Butanone (MEK)	8260B	ug/kg	8.9	ND		10.0	ND		11.0	25	B
2-Hexanone	8260B	ug/kg	8.9	ND		10.0	ND		11.0	2.2	JQ
Acetone	8260B	ug/kg	18.0	ND		21.0	ND		22.0	110	
Benzene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Ethylbenzene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Methylene chloride	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Naphthalene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	1.3	BJQ
Styrene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Toluene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	
Trichloroethene (TCE)	8260B	ug/kg	4.5	12		5.3	2	JQ	5.5	12	
Vinyl chloride	8260B	ug/kg	8.9	ND		10.0	ND		11.0	ND	
Xylenes (total)	8260B	ug/kg	4.5	ND		5.3	ND		5.5	ND	

Prepared by: CHB
Checked by: ZMY

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-15B			BH-15B (Dup-01B)			BH-16A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
1,1,2-Trichloroethane	8260B	ug/kg	6.6	1.5	JQ	6.8	1.4	JQ	6.0	2	JQ
1,1-Dichloroethane	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
2-Butanone (MEK)	8260B	ug/kg	13.0	75		14.0	80		12.0	ND	
2-Hexanone	8260B	ug/kg	13.0	8.5	JQ	14.0	9.2	JQ	12.0	ND	
Acetone	8260B	ug/kg	26.0	400		27.0	400		24.0	ND	
Benzene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Ethylbenzene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Methylene chloride	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Naphthalene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Styrene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Toluene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	3	JQ
trans-1,3-Dichloropropene	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	6.6	10		6.8	11		6.0	180	
Vinyl chloride	8260B	ug/kg	13.0	ND		14.0	ND		12.0	ND	
Xylenes (total)	8260B	ug/kg	6.6	ND		6.8	ND		6.0	ND	

			BH-16B			BH-17A			BH-17B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
1,1-Dichloroethane	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
2-Butanone (MEK)	8260B	ug/kg	10.0	ND		11.0	ND		10.0	ND	
2-Hexanone	8260B	ug/kg	10.0	ND		11.0	ND		10.0	ND	
Acetone	8260B	ug/kg	21.0	ND		22.0	8.5	JQ	20.0	8.3	JQ
Benzene	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Ethylbenzene	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Methylene chloride	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Naphthalene	8260B	ug/kg	5.2	ND		5.4	8.3		5.0	6.6	
Styrene	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Toluene	8260B	ug/kg	5.2	2.2	JQ	5.4	ND		5.0	1.9	JQ
trans-1,3-Dichloropropene	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.2	68		5.4	120		5.0	190	
Vinyl chloride	8260B	ug/kg	10.0	ND		11.0	ND		10.0	ND	
Xylenes (total)	8260B	ug/kg	5.2	ND		5.4	ND		5.0	ND	

Prepared by: CHB
Checked by: [illegible]

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-18A			BH-18B			BH-19A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
1,1-Dichloroethane	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
2-Butanone (MEK)	8260B	ug/kg	10.0	ND		11.0	ND		13.0	ND	
2-Hexanone	8260B	ug/kg	10.0	ND		11.0	ND		13.0	ND	
Acetone	8260B	ug/kg	21.0	ND		22.0	ND		27.0	17	BJQ
Benzene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Ethylbenzene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Methylene chloride	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Naphthalene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Styrene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Toluene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.2	62		5.6	18		6.7	8.7	
Vinyl chloride	8260B	ug/kg	10.0	ND		11.0	ND		13.0	ND	
Xylenes (total)	8260B	ug/kg	5.2	ND		5.6	ND		6.7	ND	

			BH-19B			BH-19C			BH-20A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
1,1,2-Trichloroethane	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
1,1-Dichloroethane	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
2-Butanone (MEK)	8260B	ug/kg	14.0	ND		17.0	ND		12.0	ND	
2-Hexanone	8260B	ug/kg	14.0	ND		17.0	ND		12.0	ND	
Acetone	8260B	ug/kg	28.0	18	BJQ	34.0	21	BJQ	23.0	ND	
Benzene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Ethylbenzene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Methylene chloride	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Naphthalene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	12	B
Styrene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Toluene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	
Trichloroethene (TCE)	8260B	ug/kg	7.1	80		8.4	640		5.9	17	
Vinyl chloride	8260B	ug/kg	14.0	ND		17.0	ND		12.0	ND	
Xylenes (total)	8260B	ug/kg	7.1	ND		8.4	ND		5.9	ND	

Prepared by: CHB
Checked by: [illegible]

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-20B			BH-20C			BH-21A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.8	ND		260.0	4,700		5.0	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
1,1-Dichloroethane	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	27	B	520.0	ND		9.9	ND	
2-Hexanone	8260B	ug/kg	12.0	6	JQ	520.0	ND		9.9	ND	
Acetone	8260B	ug/kg	23.0	100		1,000.0	ND		20.0	14	JQ
Benzene	8260B	ug/kg	5.8	2	JQ	260.0	1,600		5.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
Ethylbenzene	8260B	ug/kg	5.8	9		260.0	10,000		5.0	ND	
Methylene chloride	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
Naphthalene	8260B	ug/kg	5.8	220	B	260.0	8,400	B	5.0	ND	
Styrene	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
Toluene	8260B	ug/kg	5.8	3	JQ	260.0	6,200		5.0	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.8	ND		260.0	ND		5.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.8	160		12,000.0	240,000		5.0	5.5	
Vinyl chloride	8260B	ug/kg	12.0	ND		520.0	ND		9.9	ND	
Xylenes (total)	8260B	ug/kg	5.8	26		12,000.0	54,000		5.0	ND	

			BH-21B			BH-21C			BH-21C (Dup-4)		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	310.0	ND		2,700.0	1,400	J	260.0	670	
1,1,2-Trichloroethane	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	83	JQ
1,1-Dichloroethane	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	ND	
2-Butanone (MEK)	8260B	ug/kg	620.0	ND		5,500.0	ND		530.0	ND	
2-Hexanone	8260B	ug/kg	620.0	1,100		5,500.0	ND		530.0	ND	
Acetone	8260B	ug/kg	1,200.0	ND		11,000.0	ND		1,100.0	ND	
Benzene	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	170	JQ
cis-1,2-Dichloroethene	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	ND	
Ethylbenzene	8260B	ug/kg	310.0	220	JQ	2,700.0	4,200		260.0	2,000	
Methylene chloride	8260B	ug/kg	310.0	ND		2,700.0	1,800	JQ	260.0	ND	
Naphthalene	8260B	ug/kg	310.0	ND		2,700.0	5,100		260.0	ND	
Styrene	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	ND	
Toluene	8260B	ug/kg	310.0	280	JQ	2,700.0	2,100	JQ	260.0	870	
trans-1,3-Dichloropropene	8260B	ug/kg	310.0	ND		2,700.0	ND		260.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	620.0	14,000		2,700.0	50,000		2,600.0	24,000	
Vinyl chloride	8260B	ug/kg	620.0	ND		5,500.0	ND		530.0	ND	
Xylenes (total)	8260B	ug/kg	310.0	1,300		2,700.0	15,000		260.0	6,500	

Prepared by: CHB
Checked by: 3/24

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-22A			BH-22B			BH-22C		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	6.9	ND		430.0	3,000		4,600.0	30,000	
1,1,2-Trichloroethane	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
1,1-Dichloroethane	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
2-Butanone (MEK)	8260B	ug/kg	14.0	ND		850.0	400	JQ	9,100.0	ND	
2-Hexanone	8260B	ug/kg	14.0	ND		850.0	ND		9,100.0	ND	
Acetone	8260B	ug/kg	28.0	24	BJQ	1,700.0	1,600	BJQ	18,000.0	13,000	JQ
Benzene	8260B	ug/kg	6.9	ND		430.0	120	JQ	4,600.0	1,300	JQ
cis-1,2-Dichloroethene	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
Ethylbenzene	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	11,000	
Methylene chloride	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
Naphthalene	8260B	ug/kg	6.9	ND		430.0	ND		9,100.0	400	
Styrene	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	JQ
Toluene	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	4,200	JQ
trans-1,3-Dichloropropene	8260B	ug/kg	6.9	ND		430.0	ND		4,600.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	6.9	18		430.0	12,000		4,600.0	95,000	
Vinyl chloride	8260B	ug/kg	14.0	ND		850.0	ND		9,100.0	ND	
Xylenes (total)	8260B	ug/kg	6.9	ND		430.0	380	JQ	4,600.0	39,000	JQ

			BH-23A			BH-23B			BH-24A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.7	63		1,200.0	13,000		6.9	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
1,1-Dichloroethane	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
2-Butanone (MEK)	8260B	ug/kg	11.0	ND		2,400.0	ND		14.0	ND	
2-Hexanone	8260B	ug/kg	11.0	ND		2,400.0	ND		14.0	ND	
Acetone	8260B	ug/kg	23.0	ND		4,800.0	ND		28.0	ND	
Benzene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
Ethylbenzene	8260B	ug/kg	5.7	ND		1,200.0	260	JQ	6.9	ND	
Methylene chloride	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
Naphthalene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
Styrene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.7	17		1,200.0	ND		6.9	ND	
Toluene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.7	ND		1,200.0	ND		6.9	ND	
Trichloroethene (TCE)	8260B	ug/kg	310.0	600		1,200.0	33,000		6.9	ND	
Vinyl chloride	8260B	ug/kg	11.0	ND		2,400.0	ND		14.0	ND	
Xylenes (total)	8260B	ug/kg	5.7	ND		1,200.0	1,000	JQ	6.9	ND	

Prepared by: CHB
Checked by: JM

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-24B			BH-25A			BH-25B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	7.0	ND		5.5	ND		4.7	15	
1,1,2-Trichloroethane	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
1,1-Dichloroethane	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
2-Butanone (MEK)	8260B	ug/kg	14.0	ND		11.0	ND		9.3	3	JQ
2-Hexanone	8260B	ug/kg	14.0	ND		11.0	ND		9.3	ND	
Acetone	8260B	ug/kg	28.0	19	BJQ	22.0	15	JQ	19.0	19	
Benzene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Ethylbenzene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Methylene chloride	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Naphthalene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Styrene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Toluene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	7.0	ND		5.5	ND		4.7	ND	
Trichloroethene (TCE)	8260B	ug/kg	7.0	ND		5.5	ND		4.7	110	
Vinyl chloride	8260B	ug/kg	14.0	ND		11.0	ND		9.3	ND	
Xylenes (total)	8260B	ug/kg	7.0	ND		5.5	ND		5	ND	

			BH-25C			BH-26A			BH-26B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.6	3.7	JQ	7.1	2	JQ	10.0	5.5	JQ
1,1,2-Trichloroethane	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
1,1-Dichloroethane	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
2-Butanone (MEK)	8260B	ug/kg	11.0	ND		14.0	ND		21.0	ND	
2-Hexanone	8260B	ug/kg	11.0	ND		14.0	ND		21.0	ND	
Acetone	8260B	ug/kg	22.0	15	JQ	28.0	18	BJQ	42.0	33	BJQ
Benzene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Ethylbenzene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Methylene chloride	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Naphthalene	8260B	ug/kg	5.6	3.2	JQ	7.1	ND		10.0	ND	
Styrene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Toluene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.6	87		7.1	20		10.0	69	
Vinyl chloride	8260B	ug/kg	11.0	ND		14.0	ND		21.0	ND	
Xylenes (total)	8260B	ug/kg	5.6	ND		7.1	ND		10.0	ND	

Prepared by: CHB
Checked by: [illegible]

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-26B (Dup-5)			BH-26C			BH-27A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	6.7	37		8.0	160		5.7	ND	
1,1,2-Trichloroethane	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
1,1-Dichloroethane	8260B	ug/kg	6.7	ND		8.0	2	JQ	5.7	ND	
2-Butanone (MEK)	8260B	ug/kg	13.0	ND		16.0	ND		11.0	ND	
2-Hexanone	8260B	ug/kg	13.0	ND		16.0	ND		11.0	ND	
Acetone	8260B	ug/kg	27.0	21	BJQ	32.0	21	BJQ	23.0	ND	
Benzene	8260B	ug/kg	6.7	2	JQ	8.0	6	JQ	5.7	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	6.7	ND		8.0	1	JQ	5.7	ND	
Ethylbenzene	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Methylene chloride	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Naphthalene	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Styrene	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Toluene	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	
Trichloroethene (TCE)	8260B	ug/kg	6.7	290		8.0	870	E	5.7	ND	
Vinyl chloride	8260B	ug/kg	13.0	ND		16.0	ND		11.0	ND	
Xylenes (total)	8260B	ug/kg	6.7	ND		8.0	ND		5.7	ND	

			BH-27B			BH-27C			BH-28A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
1,1-Dichloroethane	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	ND		11.0	ND		11.0	4	JQ
2-Hexanone	8260B	ug/kg	12.0	ND		11.0	ND		11.0	ND	
Acetone	8260B	ug/kg	24.0	15	JQ	22.0	14	JQ	22.0	14	JQ
Benzene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Ethylbenzene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Methylene chloride	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Naphthalene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Styrene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Toluene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	
Vinyl chloride	8260B	ug/kg	12.0	ND		11.0	ND		11.0	ND	
Xylenes (total)	8260B	ug/kg	5.9	ND		5.4	ND		5.4	ND	

Prepared by: CHB
Checked by: JMY

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-28B			BH-29A			BH-29B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.8	58		6.9	ND		6.0	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
1,1-Dichloroethane	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	ND		14.0	ND		12.0	ND	
2-Hexanone	8260B	ug/kg	12.0	12		14.0	ND		12.0	ND	
Acetone	8260B	ug/kg	23.0	21	JQ	28.0	ND		24.0	ND	
Benzene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Ethylbenzene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Methylene chloride	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Naphthalene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Styrene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.8	11		6.9	ND		6.0	ND	
Toluene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.8	780		6.9	ND		6.0	18	
Vinyl chloride	8260B	ug/kg	12.0	ND		14.0	ND		12.0	ND	
Xylenes (total)	8260B	ug/kg	5.8	ND		6.9	ND		6.0	ND	

			BH-29C			BH-29D			BH-30A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
1,1,2-Trichloroethane	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
1,1-Dichloroethane	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	ND		520.0	180	JQ	16.0	ND	
2-Hexanone	8260B	ug/kg	12.0	ND		520.0	ND		16.0	ND	
Acetone	8260B	ug/kg	24.0	ND		1,000.0	ND		32.0	22	BJQ
Benzene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Ethylbenzene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Methylene chloride	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Naphthalene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Styrene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Toluene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	
Trichloroethene (TCE)	8260B	ug/kg	6.1	21		260.0	960		7.9	ND	
Vinyl chloride	8260B	ug/kg	12.0	ND		520.0	ND		16.0	ND	
Xylenes (total)	8260B	ug/kg	6.1	ND		260.0	ND		7.9	ND	

Prepared by: CHB
Checked by: JM

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-30B			BH-30C			BH-31A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
1,1,2-Trichloroethane	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
1,1-Dichloroethane	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
2-Butanone (MEK)	8260B	ug/kg	17.0	ND		13.0	ND		11.0	ND	
2-Hexanone	8260B	ug/kg	17.0	ND		13.0	ND		11.0	ND	
Acetone	8260B	ug/kg	34.0	22	BJQ	26.0	16	BJQ	23.0	18	JQ
Benzene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Ethylbenzene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Methylene chloride	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Naphthalene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Styrene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Toluene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Trichloroethene (TCE)	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	
Vinyl chloride	8260B	ug/kg	17.0	ND		13.0	ND		11.0	ND	
Xylenes (total)	8260B	ug/kg	8.6	ND		6.5	ND		5.7	ND	

			BH-31B			BH-31C			BH-31C (Dup-3)		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
1,1-Dichloroethane	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
2-Butanone (MEK)	8260B	ug/kg	11.0	ND		13.0	ND		12.0	ND	
2-Hexanone	8260B	ug/kg	11.0	ND		13.0	ND		12.0	ND	
Acetone	8260B	ug/kg	22.0	17	JQ	26.0	16	JQ	23.0	19	JQ
Benzene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Ethylbenzene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Methylene chloride	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Naphthalene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Styrene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Toluene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
trans-1,3-Dichloropropene	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	
Vinyl chloride	8260B	ug/kg	11.0	ND		13.0	ND		12.0	ND	
Xylenes (total)	8260B	ug/kg	5.4	ND		6.4	ND		5.8	ND	

Prepared by: CHB
Checked by: JPM

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-32A			BH-33A			BH-34A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	290.0	900		5.3	ND		5.6	ND	
1,1,2-Trichloroethane	8260B	ug/kg	5.4	ND		5.3	ND		5.6	ND	
1,1-Dichloroethane	8260B	ug/kg	5.4	ND		5.3	ND		5.6	ND	
2-Butanone (MEK)	8260B	ug/kg	11.0	ND		11.0	ND		11.0	ND	
2-Hexanone	8260B	ug/kg	11.0	120		11.0	ND		11.0	ND	
Acetone	8260B	ug/kg	22.0	5	JQ	21.0	ND		22.0	ND	
Benzene	8260B	ug/kg	5.4	4	JQ	5.3	ND		5.6	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.4	20		5.3	ND		5.6	ND	
Ethylbenzene	8260B	ug/kg	5.4	82		5.3	ND		5.6	ND	
Methylene chloride	8260B	ug/kg	5.4	ND		5.3	ND		5.6	ND	
Naphthalene	8260B	ug/kg	5.4	11		5.3	ND		5.6	ND	
Styrene	8260B	ug/kg	5.4	ND		5.3	ND		5.6	ND	
Tetrachloroethene (PCE)	8260B	ug/kg	290.0	1,100		5.3	ND		5.6	ND	
Toluene	8260B	ug/kg	5.4	37		5.3	3	JQ	5.6	2.1	JQ
trans-1,3-Dichloropropene	8260B	ug/kg	5.4	ND		5.3	ND		5.6	ND	
Trichloroethene (TCE)	8260B	ug/kg	290.0	9,100		5.3	3.8	JQ	5.6	4.8	JQ
Vinyl chloride	8260B	ug/kg	11.0	ND		11.0	ND		11.0	ND	
Xylenes (total)	8260B	ug/kg	5.4	250		5.3	ND		5.6	ND	

			BH-34A (Dup-02)			BH-34B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.
1,1,1-Trichloroethane	8260B	ug/kg	5.9	1	JQ	3,000.0	30,000	
1,1,2-Trichloroethane	8260B	ug/kg	5.9	ND		3,000.0	ND	
1,1-Dichloroethane	8260B	ug/kg	5.9	ND		3,000.0	ND	
2-Butanone (MEK)	8260B	ug/kg	12.0	ND		5,900.0	ND	
2-Hexanone	8260B	ug/kg	12.0	ND		5,900.0	ND	
Acetone	8260B	ug/kg	24.0	ND		12,000.0	ND	
Benzene	8260B	ug/kg	5.9	ND		3,000.0	ND	
cis-1,2-Dichloroethene	8260B	ug/kg	5.9	ND		3,000.0	ND	
Ethylbenzene	8260B	ug/kg	5.9	ND		3,000.0	3,700	
Methylene chloride	8260B	ug/kg	5.9	ND		3,000.0	1,600	JQ
Naphthalene	8260B	ug/kg	5.9	ND		3,000.0	3,000	
Styrene	8260B	ug/kg	5.9	ND		3,000.0	2,700	JQ
Tetrachloroethene (PCE)	8260B	ug/kg	5.9	ND		3,000.0	4,800	
Toluene	8260B	ug/kg	5.9	2	JQ	3,000.0	1,200	JQ
trans-1,3-Dichloropropene	8260B	ug/kg	5.9	ND		3,000.0	ND	
Trichloroethene (TCE)	8260B	ug/kg	5.9	10		30,000.0	440,000	
Vinyl chloride	8260B	ug/kg	12.0	ND		5,900.0	ND	
Xylenes (total)	8260B	ug/kg	5.9	ND		3,000.0	10,000	

Prepared by: CHB
Checked by: SJM

Table 12
VOC Concentrations of Detected Compounds in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Notes:
1. PQL-Practical Quantitation Limit; ND - Not Detected
2. B-Compound detected in method blank; E-Quantitation of compound exceeded the calibration range; JQ-Estimated concentration. Reported concentration is between the MDL and the PQL.
3. Qual. = Validation Qualifier
4. ug/kg = micrograms per kilogram
5. Results reported as "ND" are less than the PQL value.

Prepared by: CKB
Checked by: JTM

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-13A			BH-13B			BH-14A		
Compound	**Method**	**Units**	**PQL**	**Result**	**Qual.**	**PQL**	**Result**	**Qual.**	**PQL**	**Result**	**Qual.**
2-Methylnaphthalene	8270C	ug/kg	450	ND		360	ND		390	ND	
Acenaphthylene	8270C	ug/kg	450	ND		360	ND		390	ND	
Benzo(a)pyrene	8270C	ug/kg	450	ND		360	ND		390	ND	
Di-n-butyl phthalate	8270C	ug/kg	450	ND		360	ND		390	ND	
Di-n-octylphthalate	8270C	ug/kg	450	ND		360	ND		390	ND	
Fluoranthene	8270C	ug/kg	450	50	JQ	360	ND		390	130	JQ
Fluorene	8270C	ug/kg	450	ND		360	ND		390	ND	
Naphthalene	8270C	ug/kg	450	ND		360	ND		390	ND	
Pentachlorophenol	8270C	ug/kg	1,100	ND		900	ND		980	ND	
Phenanthrene	8270C	ug/kg	450	ND		360	ND		390	ND	
Pyrene	8270C	ug/kg	450	46	JQ	360	ND		390	98	JQ
TPH-DRO	8015B	ug/kg	4,500	7,000		3,500	4,000		3,800	15,000	
Aroclor 1260	8082	ug/kg	23	ND		18	ND		20	ND	

			BH-14B			BH-14C			BH-15A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	350	ND		370	ND		360	ND	
Acenaphthylene	8270C	ug/kg	350	ND		370	ND		360	ND	
Benzo(a)pyrene	8270C	ug/kg	350	ND		370	ND		360	ND	
Di-n-butyl phthalate	8270C	ug/kg	350	ND		370	54	JQ	360	ND	
Di-n-octylphthalate	8270C	ug/kg	350	ND		370	160	JQ	360	ND	
Fluoranthene	8270C	ug/kg	350	ND		370	ND		360	ND	
Fluorene	8270C	ug/kg	350	ND		370	ND		360	ND	
Naphthalene	8270C	ug/kg	350	ND		370	ND		360	ND	
Pentachlorophenol	8270C	ug/kg	880	ND		930	ND		890	ND	
Phenanthrene	8270C	ug/kg	350	ND		370	ND		360	ND	
Pyrene	8270C	ug/kg	350	ND		370	ND		360	ND	
TPH-DRO	8015B	ug/kg	3,500	ND		3,600	820	JQ	3,600	13,000	
Aroclor 1260	8082	ug/kg	18	ND		19	ND		18	ND	

Prepared by: CHB
Checked by: DMY

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-15B			BH-15B (Dup-01B)			BH-16A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	410	ND		430	ND		390	ND	
Acenaphthylene	8270C	ug/kg	410	ND		430	ND		390	ND	
Benzo(a)pyrene	8270C	ug/kg	410	ND		430	ND		390	ND	
Di-n-butyl phthalate	8270C	ug/kg	410	67	JQ	430	ND		390	71	JQ
Di-n-octylphthalate	8270C	ug/kg	410	ND		430	ND		390	ND	
Fluoranthene	8270C	ug/kg	410	ND		430	ND		390	ND	
Fluorene	8270C	ug/kg	410	ND		430	ND		390	ND	
Naphthalene	8270C	ug/kg	410	ND		430	ND		390	ND	
Pentachlorophenol	8270C	ug/kg	1,000	ND		1,100	ND		980	ND	
Phenanthrene	8270C	ug/kg	410	ND		430	ND		390	ND	
Pyrene	8270C	ug/kg	410	ND		430	ND		390	ND	
TPH-DRO	8015B	ug/kg	4,000	20,000		4,400	14,000		3,800	4,700	
Aroclor 1260	8082	ug/kg	21	ND		23	ND		20	ND	

			BH-16B			BH-17A			BH-17B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	360	ND		370	ND		360	ND	
Acenaphthylene	8270C	ug/kg	360	ND		370	ND		360	ND	
Benzo(a)pyrene	8270C	ug/kg	360	ND		370	ND		360	ND	
Di-n-butyl phthalate	8270C	ug/kg	360	ND		370	ND		360	ND	
Di-n-octylphthalate	8270C	ug/kg	360	ND		370	ND		360	ND	
Fluoranthene	8270C	ug/kg	360	ND		370	ND		360	ND	
Fluorene	8270C	ug/kg	360	ND		370	ND		360	ND	
Naphthalene	8270C	ug/kg	360	ND		370	ND		360	ND	
Pentachlorophenol	8270C	ug/kg	920	ND		930	ND		900	ND	
Phenanthrene	8270C	ug/kg	360	ND		370	ND		360	37	JQ
Pyrene	8270C	ug/kg	360	ND		370	ND		370	ND	
TPH-DRO	8015B	ug/kg	3,500	2,200	JQ	3,600	37,000		3,500	30,000	
Aroclor 1260	8082	ug/kg	19	ND		19	ND		18	ND	

Prepared by: CHB
Checked by: 7/14

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-18A			BH-18B			BH-19A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		380	ND		370	ND	
Acenaphthylene	8270C	ug/kg	380	ND		380	ND		370	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		380	ND		370	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		380	ND		370	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		380	ND		370	ND	
Fluoranthene	8270C	ug/kg	380	ND		380	ND		370	ND	
Fluorene	8270C	ug/kg	380	ND		380	ND		370	ND	
Naphthalene	8270C	ug/kg	380	ND		380	ND		370	ND	
Pentachlorophenol	8270C	ug/kg	950	ND		960	ND		930	ND	
Phenanthrene	8270C	ug/kg	380	ND		380	ND		370	ND	
Pyrene	8270C	ug/kg	380	ND		380	ND		400	ND	
TPH-DRO	8015B	ug/kg	3,700	3,300	JQ	3,800	3,200	JQ	3,600	42,000	
Aroclor 1260	8082	ug/kg	19	ND		20	ND		19	ND	

			BH-19B			BH-19C			BH-20A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		400	ND		370	ND	
Acenaphthylene	8270C	ug/kg	380	ND		400	ND		370	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		400	ND		370	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		400	ND		370	68	JQ
Di-n-octylphthalate	8270C	ug/kg	380	ND		400	ND		370	ND	
Fluoranthene	8270C	ug/kg	380	ND		400	ND		370	ND	
Fluorene	8270C	ug/kg	380	ND		400	ND		370	ND	
Naphthalene	8270C	ug/kg	380	ND		400	ND		370	ND	
Pentachlorophenol	8270C	ug/kg	970	ND		1,000	ND		920	ND	
Phenanthrene	8270C	ug/kg	380	ND		400	ND		370	ND	
Pyrene	8270C	ug/kg	3,800	ND		380	ND		380	ND	
TPH-DRO	8015B	ug/kg	3,800	ND		4,000	3,100	JQ	3,600	39,000	
Aroclor 1260	8082	ug/kg	20	ND		21	ND		19	ND	

Prepared by: CHB
Checked by: 7/29

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-20B			BH-20C			BH-21A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	160	JQ	19,000	200,000		380	ND	
Acenaphthylene	8270C	ug/kg	380	ND		3,800	ND		380	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		3,800	ND		380	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	66	JQ	3,800	ND		380	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		3,800	ND		380	ND	
Fluoranthene	8270C	ug/kg	380	ND		3,800	ND		380	ND	
Fluorene	8270C	ug/kg	380	ND		3,800	9,900		380	ND	
Naphthalene	8270C	ug/kg	380	ND		3,800	14,000		380	ND	
Pentachlorophenol	8270C	ug/kg	960	ND		9,500	ND		950	ND	
Phenanthrene	8270C	ug/kg	380	ND		3,800	32,000		380	ND	
Pyrene	8270C	ug/kg	350	ND		3,800	ND		380	ND	
TPH-DRO	8015B	ug/kg	3,800	94,000		370,000	32,000,000		3,700	7,800	
Aroclor 1260	8082	ug/kg	20	ND		19	ND		19	ND	

			BH-21B			BH-21C			BH-21C (Dup-4)		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		380	130	JQ	1,800	9,600	
Acenaphthylene	8270C	ug/kg	380	ND		380	ND		350	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		380	ND		350	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		380	ND		350	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		380	ND		350	ND	
Fluoranthene	8270C	ug/kg	380	ND		380	ND		350	ND	
Fluorene	8270C	ug/kg	380	ND		380	ND		350	ND	
Naphthalene	8270C	ug/kg	380	ND		380	ND		350	ND	
Pentachlorophenol	8270C	ug/kg	960	ND		960	ND		890	ND	
Phenanthrene	8270C	ug/kg	380	21	JQ	380	100	JQ	350	160	JQ
Pyrene	8270C	ug/kg	380	ND		380	ND		380	ND	
TPH-DRO	8015B	ug/kg	7,400	730,000		190,000	5,900,000		170,000	6,700,000	
Aroclor 1260	8082	ug/kg	19	ND		19	ND		18	ND	

Prepared by: CHB
Checked by: TJM

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-22A			BH-22B			BH-22C		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	360	ND		400	ND		9,100	4,500	JQ
Acenaphthylene	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Benzo(a)pyrene	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Di-n-butyl phthalate	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Di-n-octylphthalate	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Fluoranthene	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Fluorene	8270C	ug/kg	360	ND		400	ND		9,100	ND	
Naphthalene	8270C	ug/kg	360	ND		400	ND		9,100	400	JQ
Pentachlorophenol	8270C	ug/kg	910	ND		1,000	ND		23,000	ND	
Phenanthrene	8270C	ug/kg	360	ND		400	ND		9,100	660	JQ
Pyrene	8270C	ug/kg	360	ND		360	ND		9,100	ND	
TPH-DRO	8015B	ug/kg	3,600	ND		80,000	11,000,000		450,000	28,000,000	
Aroclor 1260	8082	ug/kg	19	ND		21	ND		470	ND	

			BH-23A			BH-23B			BH-24A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		3,800	3,700	JQ	420	ND	
Acenaphthylene	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Fluoranthene	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Fluorene	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Naphthalene	8270C	ug/kg	380	ND		3,800	ND		420	ND	
Pentachlorophenol	8270C	ug/kg	970	ND		9,700	ND		1,000	ND	
Phenanthrene	8270C	ug/kg	380	ND		3,800	2,200	JQ	420	ND	
Pyrene	8270C	ug/kg	380	ND		3,800	530	JQ	350	ND	
TPH-DRO	8015B	ug/kg	3,800	280,000		190,000	6,000,000		4,100	ND	
Aroclor 1260	8082	ug/kg	19	ND		20	ND		22	ND	

Prepared by: CHB
Checked by: JM

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-24B			BH-25A			BH-25B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	370	ND		360	ND		390	ND	
Acenaphthylene	8270C	ug/kg	370	ND		360	ND		390	ND	
Benzo(a)pyrene	8270C	ug/kg	370	ND		360	ND		390	ND	
Di-n-butyl phthalate	8270C	ug/kg	370	ND		360	ND		390	ND	
Di-n-octylphthalate	8270C	ug/kg	370	ND		360	ND		390	ND	
Fluoranthene	8270C	ug/kg	370	ND		360	ND		390	ND	
Fluorene	8270C	ug/kg	370	ND		360	ND		390	ND	
Naphthalene	8270C	ug/kg	370	ND		360	ND		390	ND	
Pentachlorophenol	8270C	ug/kg	940	ND		900	ND		990	ND	
Phenanthrene	8270C	ug/kg	370	ND		360	ND		390	ND	
Pyrene	8270C	ug/kg	440	ND		360	ND		430	ND	
TPH-DRO	8015B	ug/kg	3,700	750	JQ	3,500	ND		3,900	4,000	
Aroclor 1260	8082	ug/kg	19	ND		18	ND		20	ND	

			BH-25C			BH-26A			BH-26B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		370	ND		480	ND	
Acenaphthylene	8270C	ug/kg	380	ND		370	ND		480	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		370	ND		480	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		370	ND		480	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		370	ND		480	ND	
Fluoranthene	8270C	ug/kg	380	ND		370	ND		480	ND	
Fluorene	8270C	ug/kg	380	ND		370	ND		480	ND	
Naphthalene	8270C	ug/kg	380	ND		370	ND		480	ND	
Pentachlorophenol	8270C	ug/kg	960	ND		920	ND		1,200	ND	
Phenanthrene	8270C	ug/kg	380	ND		370	ND		480	ND	
Pyrene	8270C	ug/kg	410	ND		430	ND		390	ND	
TPH-DRO	8015B	ug/kg	3,700	150,000		3,700	ND		4,800	2,000	JQ
Aroclor 1260	8082	ug/kg	20	ND		19	ND		25	ND	

Prepared by: CHB
Checked by: JTM

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-26B (Dup-5)			BH-26C			BH-27A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	350	ND		440	ND		430	ND	
Acenaphthylene	8270C	ug/kg	350	ND		440	ND		430	ND	
Benzo(a)pyrene	8270C	ug/kg	350	ND		440	ND		430	ND	
Di-n-butyl phthalate	8270C	ug/kg	350	ND		440	ND		430	ND	
Di-n-octylphthalate	8270C	ug/kg	350	ND		440	ND		430	ND	
Fluoranthene	8270C	ug/kg	350	ND		440	ND		430	ND	
Fluorene	8270C	ug/kg	350	ND		440	ND		430	ND	
Naphthalene	8270C	ug/kg	350	ND		440	ND		430	ND	
Pentachlorophenol	8270C	ug/kg	890	ND		1,100	ND		1,100	ND	
Phenanthrene	8270C	ug/kg	350	ND		440	ND		430	ND	
Pyrene	8270C	ug/kg	400	ND		380	ND		370	ND	
TPH-DRO	8015B	ug/kg	3,600	ND		4,400	9,200		4,300	ND	
Aroclor 1260	8082	ug/kg	18	ND		23	ND		22	ND	

			BH-27B			BH-27C			BH-28A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	430	ND		420	ND		410	ND	
Acenaphthylene	8270C	ug/kg	430	ND		420	ND		410	ND	
Benzo(a)pyrene	8270C	ug/kg	430	ND		420	ND		410	ND	
Di-n-butyl phthalate	8270C	ug/kg	430	ND		420	ND		410	ND	
Di-n-octylphthalate	8270C	ug/kg	430	ND		420	ND		410	ND	
Fluoranthene	8270C	ug/kg	430	ND		420	ND		410	ND	
Fluorene	8270C	ug/kg	430	ND		420	ND		410	ND	
Naphthalene	8270C	ug/kg	430	ND		420	ND		410	ND	
Pentachlorophenol	8270C	ug/kg	1,100	ND		1,000	ND		1,000	ND	
Phenanthrene	8270C	ug/kg	430	ND		420	ND		410	ND	
Pyrene	8270C	ug/kg	380	ND		420	ND		400	ND	
TPH-DRO	8015B	ug/kg	4,300	ND		4,200	9,600		4,100	ND	
Aroclor 1260	8082	ug/kg	22	ND		220	ND		21	ND	

Prepared by: CHB
Checked by: JJM

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-28B			BH-29A			BH-29B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	390	ND		430	ND		390	ND	
Acenaphthylene	8270C	ug/kg	390	ND		430	ND		390	ND	
Benzo(a)pyrene	8270C	ug/kg	390	ND		430	ND		390	ND	
Di-n-butyl phthalate	8270C	ug/kg	390	ND		430	ND		390	ND	
Di-n-octylphthalate	8270C	ug/kg	390	ND		430	ND		390	ND	
Fluoranthene	8270C	ug/kg	390	ND		430	ND		390	ND	
Fluorene	8270C	ug/kg	390	ND		430	ND		390	ND	
Naphthalene	8270C	ug/kg	390	ND		430	ND		390	ND	
Pentachlorophenol	8270C	ug/kg	980	ND		1,100	ND		970	ND	
Phenanthrene	8270C	ug/kg	390	ND		430	ND		390	ND	
Pyrene	8270C	ug/kg	390	ND		400	ND		380	ND	
TPH-DRO	8015B	ug/kg	3,800	440,000		4,300	4,000	JQ	3,900	4,600	
Aroclor 1260	8082	ug/kg	20	ND		22	ND		20	ND	

			BH-29C			BH-29D			BH-30A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	400	ND		3,800	830	JQ	370	ND	
Acenaphthylene	8270C	ug/kg	400	ND		380	ND		370	ND	
Benzo(a)pyrene	8270C	ug/kg	400	ND		380	68	JQ	370	ND	
Di-n-butyl phthalate	8270C	ug/kg	400	ND		380	ND		370	ND	
Di-n-octylphthalate	8270C	ug/kg	400	ND		380	ND		370	ND	
Fluoranthene	8270C	ug/kg	400	ND		380	ND		370	ND	
Fluorene	8270C	ug/kg	400	ND		380	ND		370	ND	
Naphthalene	8270C	ug/kg	400	ND		380	910		370	ND	
Pentachlorophenol	8270C	ug/kg	1,000	ND		940	ND		920	ND	
Phenanthrene	8270C	ug/kg	400	ND		3,800	330	JQ	370	ND	
Pyrene	8270C	ug/kg	380	ND		370	ND		380	ND	
TPH-DRO	8015B	ug/kg	3,900	7,400		75,000	8,600,000		3,700	14,000	
Aroclor 1260	8082	ug/kg	21	ND		19	ND		19	ND	

Prepared by: CHS
Checked by: [illegible]

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-30B			BH-30C			BH-31A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		380	ND		400	ND	
Acenaphthylene	8270C	ug/kg	380	ND		380	ND		400	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		380	ND		400	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		380	ND		400	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		380	ND		400	ND	
Fluoranthene	8270C	ug/kg	380	ND		380	ND		400	ND	
Fluorene	8270C	ug/kg	380	ND		380	ND		400	ND	
Naphthalene	8270C	ug/kg	380	ND		380	ND		400	ND	
Pentachlorophenol	8270C	ug/kg	970	ND		970	ND		1,000	ND	
Phenanthrene	8270C	ug/kg	380	ND		380	ND		400	ND	
Pyrene	8270C	ug/kg	380	ND		380	ND		400	ND	
TPH-DRO	8015B	ug/kg	3,900	3,800	JQ	3,800	5,700		3,900	3,600	JQ
Aroclor 1260	8082	ug/kg	20	ND		20	ND		21	ND	

			BH-31B			BH-31C (Dup-3)			BH-31C		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	400	ND		380	ND		390	ND	
Acenaphthylene	8270C	ug/kg	400	ND		380	ND		390	ND	
Benzo(a)pyrene	8270C	ug/kg	400	ND		380	ND		390	ND	
Di-n-butyl phthalate	8270C	ug/kg	400	ND		380	ND		390	ND	
Di-n-octylphthalate	8270C	ug/kg	400	ND		380	ND		390	ND	
Fluoranthene	8270C	ug/kg	400	ND		380	ND		390	ND	
Fluorene	8270C	ug/kg	400	ND		380	ND		390	ND	
Naphthalene	8270C	ug/kg	400	ND		380	ND		390	ND	
Pentachlorophenol	8270C	ug/kg	1,000	ND		950	ND		990	ND	
Phenanthrene	8270C	ug/kg	400	ND		380	ND		390	ND	
Pyrene	8270C	ug/kg	400	ND		380	ND		390	ND	
TPH-DRO	8015B	ug/kg	3,900	190,000		3,700	760	JQ	3,800	ND	
Aroclor 1260	8082	ug/kg	20	ND		20	ND		20	ND	

Prepared by: CHB
Checked by: 7/14

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-32A			BH-33A			BH-34A		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		370	ND		380	ND	
Acenaphthylene	8270C	ug/kg	380	ND		370	ND		380	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		370	ND		380	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		370	ND		380	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		370	ND		380	ND	
Fluoranthene	8270C	ug/kg	380	ND		370	ND		380	ND	
Fluorene	8270C	ug/kg	380	ND		370	ND		380	ND	
Naphthalene	8270C	ug/kg	380	ND		370	ND		380	ND	
Pentachlorophenol	8270C	ug/kg	940	ND		940	ND		950	ND	
Phenanthrene	8270C	ug/kg	380	ND		370	ND		380	ND	
Pyrene	8270C	ug/kg	380	ND		370	ND		380	ND	
TPH-DRO	8015B	ug/kg	75,000	4,500,000		3,700	4,100		3,800	220,000	
Aroclor 1260	8082	ug/kg	19	ND		19	ND		19	ND	

			BH-34A (Dup-02)			BH-34B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.
2-Methylnaphthalene	8270C	ug/kg	380	ND		3,800	27,000	
Acenaphthylene	8270C	ug/kg	380	ND		380	ND	
Benzo(a)pyrene	8270C	ug/kg	380	ND		380	ND	
Di-n-butyl phthalate	8270C	ug/kg	380	ND		380	ND	
Di-n-octylphthalate	8270C	ug/kg	380	ND		380	ND	
Fluoranthene	8270C	ug/kg	380	ND		380	ND	
Fluorene	8270C	ug/kg	380	ND		380	140	JQ
Naphthalene	8270C	ug/kg	380	ND		380	ND	
Pentachlorophenol	8270C	ug/kg	950	ND		960	ND	
Phenanthrene	8270C	ug/kg	380	ND		3,800	7,700	
Pyrene	8270C	ug/kg	380	ND		380	ND	
TPH-DRO	8015B	ug/kg	3,800	100,000		190,000	14,000,000	
Aroclor 1260	8082	ug/kg	19	ND		19	ND	

Prepared by: CHB
Checked by: [illegible]

Table 13
SVOC and PCB Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Notes:
1. PQL-Practical Quantitation Limit; ND - Not Detected
2. B-Compound detected in method blank; E-Quantitation of compound exceeded the calibration range; JQ-Estimated concentration. Reported concentration is between the MDL and the PQL.
3. Qual. = Validation Qualifier
4. ug/kg = micrograms per kilogram
5. Results reported as "ND" are less than the PQL value.

Prepared by: CHB
Checked by: 8/24

Table 14
TAL- Metals, Cyanide, and Pesticide Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-15B			BH-15B (Dup-01B)			BH-17A		
Compound	Method	Units	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
Aluminum	6010B	mg/kg	63	29,000	B	27	19,000	B	56	55,000	B
Antimony	6010B	mg/kg	2	ND		1	ND		1	ND	
Arsenic	6010B	mg/kg	2	4		1	2		1	3	
Barium	6010B	mg/kg	8	170		4	130		7	170	
Beryllium	6010B	mg/kg	1	ND		1	ND		1	ND	
Cadmium	6010B	mg/kg	1	ND		0	ND		1	ND	
Calcium	6010B	mg/kg	1,600	ND		670	ND		1,400	1,300	JQ
Chromium	6010B	mg/kg	2	23		1	18		1	27	
Cobalt	6010B	mg/kg	8	7	JQ	4	5		7	12	
Copper	6010B	mg/kg	2	9	B	1	10	B	1	8	B
Iron	6010B	mg/kg	31	25,000	B	13	18,000	B	28	32,000	B
Lead	6010B	mg/kg	2	18	B	1	10	B	1	18	B
Magnesium	6010B	mg/kg	1,600	5,400		670	4,100		1,400	5,100	
Manganese	6010B	mg/kg	5	430	B	2	200	B	4	670	B
Nickel	6010B	mg/kg	12	16		5	9		11	35	
Potassium	6010B	mg/kg	1,600	8,200		670	5,900		1,400	6,900	
Selenium	6010B	mg/kg	2	ND		1	ND		1	ND	
Sodium	6010B	mg/kg	1,600	ND	B	670	160	BJQ	1,400	ND	B
Thallium	6010B	mg/kg	3	13		1	8		3	11	
Vanadium	6010B	mg/kg	16	36		7	26		14	48	
Zinc	6010B	mg/kg	16	110	B	7	84	B	14	120	B
Cyanide - Total	9012A	mg/kg	1	ND		1	ND		1	ND	
4,4'-DDD	8081A	ug/kg	2	ND		2	ND		2	ND	
4,4'-DDT	8081A	ug/kg	2	ND		2	ND		2	2	
Endosulfan II	8081A	ug/kg	2	ND		2	ND		2	ND	
Endosulfan sulfate	8081A	ug/kg	2	ND		2	ND		2	ND	
Endrin	8081A	ug/kg	2	ND		2	ND		2	ND	
Endrin aldehyde	8081A	ug/kg	2	ND		2	ND		2	ND	
gamma-BHC (Lindane)	8081A	ug/kg	2	ND		2	ND		2	ND	

Prepared by: CHB
Checked by: JMY

Table 14
TAL- Metals, Cyanide, and Pesticide Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-18B			BH-21C			BH-22B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
Aluminum	6010B	mg/kg	58	32,000	B	54	16,000		61	33,000	
Antimony	6010B	mg/kg	1	ND		1	ND		2	ND	
Arsenic	6010B	mg/kg	1	1		1	3		2	4	
Barium	6010B	mg/kg	8	170		7	110		8	270	
Beryllium	6010B	mg/kg	1	ND		1	ND		1	ND	
Cadmium	6010B	mg/kg	1	ND		1	ND		1	ND	
Calcium	6010B	mg/kg	1,400	ND		1,400	ND		1,500	ND	
Chromium	6010B	mg/kg	1	14		1	10		2	37	
Cobalt	6010B	mg/kg	8	6	JQ	7	5	JQ	8	22	
Copper	6010B	mg/kg	1	26	B	1	7		2	25	
Iron	6010B	mg/kg	29	17,000	B	27	13,000		31	52,000	
Lead	6010B	mg/kg	1	18	B	1	13		2	20	
Magnesium	6010B	mg/kg	1,400	3,800		1,400	2,500		1,500	10,000	
Manganese	6010B	mg/kg	4	310	B	4	240		5	1,100	
Nickel	6010B	mg/kg	12	10	JQ	11	14		12	35	
Potassium	6010B	mg/kg	1,400	6,000		1,400	3,300		1,500	14,000	
Selenium	6010B	mg/kg	1	ND		1	ND		2	ND	
Sodium	6010B	mg/kg	1,400	ND	B	1,400	ND		1,500	ND	
Thallium	6010B	mg/kg	3	11		3	9		3	20	
Vanadium	6010B	mg/kg	14	18		14	21		15	62	
Zinc	6010B	mg/kg	14	150	B	14	52		15	130	
Cyanide - Total	9012A	mg/kg	1	ND		1	ND		1	ND	
4,4'-DDD	8081A	ug/kg	2	ND		36	260	P	21	49	P
4,4'-DDT	8081A	ug/kg	2	ND		36	ND		21	39	P
Endosulfan II	8081A	ug/kg	2	ND		36	80		21	ND	
Endosulfan sulfate	8081A	ug/kg	2	ND		36	190	P	21	ND	
Endrin	8081A	ug/kg	2	ND		36	95	P	21	ND	
Endrin aldehyde	8081A	ug/kg	2	ND		36	250	P	21	35	
gamma-BHC (Lindane)	8081A	ug/kg	2	ND		36	32	JQ	21	ND	

Prepared by: CHD
Checked by: RMY

Table 14
TAL- Metals, Cyanide, and Pesticide Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-23B			BH-27C			BH-28B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
Aluminum	6010B	mg/kg	58	24,000	B	64	26,000		62	35,000	B
Antimony	6010B	mg/kg	2	1	JQ	2	ND		2	ND	
Arsenic	6010B	mg/kg	2	2	B	2	4		2	2	B
Barium	6010B	mg/kg	8	88	B	8	170		8	210	B
Beryllium	6010B	mg/kg	1	2		1	ND		1	1	
Cadmium	6010B	mg/kg	1	1		1	ND		1	1	
Calcium	6010B	mg/kg	1,500	290	BJQ	1,600	ND		1,600	480	BJQ
Chromium	6010B	mg/kg	2	21	B	2	38		2	25	B
Cobalt	6010B	mg/kg	8	14		8	30		8	21	
Copper	6010B	mg/kg	2	68	B	2	17		2	6	B
Iron	6010B	mg/kg	29	31,000	B	32	50,000		31	34,000	B
Lead	6010B	mg/kg	2	10	B	2	12		2	8	B
Magnesium	6010B	mg/kg	1,500	4,800		1,600	7,800		1,600	7,400	
Manganese	6010B	mg/kg	4	480	B	5	1,000		5	510	B
Nickel	6010B	mg/kg	12	19		13	23		12	27	
Potassium	6010B	mg/kg	1,500	5,000		1,600	11,000		1,600	11,000	
Selenium	6010B	mg/kg	2	ND		2	2		2	2	B
Sodium	6010B	mg/kg	1,500	ND		1,600	ND		1,600	ND	
Thallium	6010B	mg/kg	3	ND		3	17		3	ND	
Vanadium	6010B	mg/kg	15	35	B	16	74		16	36	B
Zinc	6010B	mg/kg	15	100	B	16	100		16	150	B
Cyanide - Total	9012A	mg/kg	1	0.25	JQ	1	ND		1	0.094	JQ
4,4'-DDD	8081A	ug/kg	20	14	JQ	43	ND		21	ND	
4,4'-DDT	8081A	ug/kg	20	15	JQ	43	ND		21	ND	
Endosulfan II	8081A	ug/kg	20	ND		43	ND		21	ND	
Endosulfan sulfate	8081A	ug/kg	20	ND		43	ND		21	ND	
Endrin	8081A	ug/kg	20	ND		43	ND		21	ND	
Endrin aldehyde	8081A	ug/kg	20	ND		43	ND		21	ND	
gamma-BHC (Lindane)	8081A	ug/kg	20	ND		43	ND		21	ND	

Prepared by: CHB
Checked by: JMY

Table 14
TAL- Metals, Cyanide, and Pesticide Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

			BH-30C			BH-31C			BH-34B		
Compound	**Method**	**Units**	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
Aluminum	6010B	mg/kg	59	18,000		62	26,000		58	33,000	B
Antimony	6010B	mg/kg	2	ND		2	ND		1	ND	
Arsenic	6010B	mg/kg	2	2		2	2		1	ND	
Barium	6010B	mg/kg	8	110		8	150		8	220	
Beryllium	6010B	mg/kg	1	ND		1	ND		1	ND	
Cadmium	6010B	mg/kg	1	ND		1	ND		1	ND	
Calcium	6010B	mg/kg	1,500	ND		1,500	ND		1,400	ND	
Chromium	6010B	mg/kg	2	18		2	42		1	24	
Cobalt	6010B	mg/kg	8	4	JQ	8	24		8	9	
Copper	6010B	mg/kg	2	11		2	32		1	3	B
Iron	6010B	mg/kg	29	23,000		31	49,000		29	24,000	B
Lead	6010B	mg/kg	2	7		2	22		1	7	B
Magnesium	6010B	mg/kg	1,500	1,900		1,500	5,900		1,400	5,800	
Manganese	6010B	mg/kg	4	150		5	580		4	400	B
Nickel	6010B	mg/kg	12	7	JQ	12	20		12	12	
Potassium	6010B	mg/kg	1,500	2,900		1,500	9,500		1,400	9,100	
Selenium	6010B	mg/kg	2	ND		2	2		1	ND	
Sodium	6010B	mg/kg	1,500	ND		1,500	ND		1,400	ND	B
Thallium	6010B	mg/kg	3	10		3	18		3	24	
Vanadium	6010B	mg/kg	15	35		15	56		14	35	
Zinc	6010B	mg/kg	15	28		15	79		14	59	B
Cyanide - Total	9012A	mg/kg	1	ND		1	ND		1	ND	
4,4'-DDD	8081A	ug/kg	2	ND		2	ND		19	ND	
4,4'-DDT	8081A	ug/kg	2	ND		2	ND		19	ND	
Endosulfan II	8081A	ug/kg	2	ND		2	ND		19	ND	
Endosulfan sulfate	8081A	ug/kg	2	ND		2	ND		19	ND	
Endrin	8081A	ug/kg	2	ND		2	ND		19	ND	
Endrin aldehyde	8081A	ug/kg	2	ND		2	ND		19	ND	
gamma-BHC (Lindane)	8081A	ug/kg	2	ND		2	ND		19	ND	

Prepared by: CHB
Checked by: JJM

Table 14
TAL- Metals, Cyanide, and Pesticide Concentrations of Compounds Detected in Soil
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Notes:

1. PQL-Practical Quantitation Limit; ND - Not Detected; P-The RPD between GC columns exceeds 40-percent.
2. B-Compound detected in method blank; E-Quantitation of compound exceeded the calibration range; JQ-Estimated concentration. Reported concentration is between the MDL and the PQL.
3. Qual. = Validation Qualifier
4. ug/kg = micrograms per kilogram
5. mg/kg = milligrams per kilogram
6. Results reported as "ND" are less than the PQL value.

Prepared by: CHB
Checked by: [illegible]

Table 15
VOC, SVOC, and TPH-DRO Concentrations of Detected Compounds in Water
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

				Spring-01			Spring-02			Spring-03		
	Compound	Method	Units	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
	TPH-DRO	8015B	ug/L	200	14,000	J	100	11,000	J	100	2,500	J
VOCs	1,1,1-Trichloroethane	8260B	ug/L	5	56		250	540		50	ND	
VOCs	1,1-Dichloroethane	8260B	ug/L	5	8.3		250	ND		50	ND	
VOCs	1,1-Dichloroethene	8260B	ug/L	5	3.9	JQ	250	90	JQ	50	18	JQ
VOCs	Benzene	8260B	ug/L	5	25		250	38	JQ	50	4.7	JQ
VOCs	cis-1,2-Dichloroethene	8260B	ug/L	5	81		250	250		50	4.7	JQ
VOCs	Ethylbenzene	8260B	ug/L	5	19		250	42	JQ	50	ND	
VOCs	Methylene chloride	8260B	ug/L	5	3	JQ	250	74	JQ	50	22	JQ
VOCs	Naphthalene	8260B	ug/L	5	66	J	250	150	JQ	50	ND	
VOCs	Tetrachloroethene	8260B	ug/L	5	ND		250	ND		50	5.9	JQ
VOCs	Toluene	8260B	ug/L	5	5.6		250	10	JQ	50	ND	
VOCs	trans-1,2-Dichloroethene	8260B	ug/L	5	ND		250	ND		50	ND	
VOCs	Trichloroethene	8260B	ug/L	50	420		2,500	22,000		500	8,300	
VOCs	Vinyl chloride	8260B	ug/L	2	ND		100	ND		20	ND	
VOCs	Xylenes (total)	8260B	ug/L	5	56		250	180	JQ	50	ND	
SVOCs	2-Methylnaphthalene	8270C	ug/L	5.2	45		5.2	170		5.1	ND	
SVOCs	bis(2-Ethylhexyl)phthalate	8270C	ug/L	5.2	ND		5.2	ND		5.1	ND	
SVOCs	Di-n-butyl phthalate	8270C	ug/L	5.2	ND		5.2	ND		5.1	ND	
SVOCs	Naphthalene	8270C	ug/L	5.2	14		5.2	78		5.1	ND	

				Spring-04			SW-05			TW-1		
	Compound	Method	Units	PQL	Result	Qual.	PQL	Result	Qual.	PQL	Result	Qual.
	TPH-DRO	8015B	ug/L	100	1,400		100	1,200		100	2,800	
VOCs	1,1,1-Trichloroethane	8260B	ug/L	5	ND		5	5.1		50	95	
VOCs	1,1-Dichloroethane	8260B	ug/L	5	0.76	JQ	5	0.62	JQ	50	4.9	JQ
VOCs	1,1-Dichloroethene	8260B	ug/L	5	2.2	JQ	5	1.4	JQ	50	18	JQ
VOCs	Benzene	8260B	ug/L	5	0.46	JQ	5	0.61	JQ	50	13	JQ
VOCs	cis-1,2-Dichloroethene	8260B	ug/L	50	450		50	310		50	10	JQ
VOCs	Ethylbenzene	8260B	ug/L	5	ND		5	ND		50	ND	
VOCs	Methylene chloride	8260B	ug/L	5	ND		5	0.92	JQ	50	ND	
VOCs	Naphthalene	8260B	ug/L	5	1.3	JQ	5	0.73	JQ	50	4.4	JQ
VOCs	Tetrachloroethene	8260B	ug/L	5	ND		5	ND		50	ND	
VOCs	Toluene	8260B	ug/L	5	1.4	JQ	5	ND		50	ND	
VOCs	trans-1,2-Dichloroethene	8260B	ug/L	5	4.0	JQ	5	2.3	JQ	50	ND	
VOCs	Trichloroethene	8260B	ug/L	50	280		50	710		500	2,500	
VOCs	Vinyl chloride	8260B	ug/L	2	15		2	1.6	JQ	20	ND	
VOCs	Xylenes (total)	8260B	ug/L	5	ND		5	ND		50	5.8	JQ
SVOCs	2-Methylnaphthalene	8270C	ug/L	5.2	ND		5.2	ND		5.3	15	
SVOCs	bis(2-Ethylhexyl)phthalate	8270C	ug/L	5.2	3.5	JQ	5.2	ND		5.3	ND	
SVOCs	Di-n-butyl phthalate	8270C	ug/L	5.2	ND	JQ	5.2	2.2	JQ	5.3	ND	
SVOCs	Naphthalene	8270C	ug/L	5.2	ND		5.2	ND		5.3	ND	

Notes:
1. PQL-Practical Quantitation Limit; ND-Not Detected
2. JQ - Estimated concentration. Reported concentration is between the MDL and the PQL.
3. There were no PCBs (Method 8082) detected in water samples.
4. TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
5. ug/L = micrograms per Liter
6. Qual. = Validation Qualifier
7. VOC = Volitale Organic Compound
8. SVOC = Semivolatile Organic Compound
9. Results reported an "ND" are less than the PQL value

Prepared by: CHB
Checked by: RHY

Table 16
Sample Interval Versus Depth to Groundwater
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

Location	Ground Surface Elevation (ft. msl)	Sample Depth (ft. bgs)	Approximate Water Table Surface (ft. msl)	Approximate Depth to Water Table (ft. bgs)	Sample Above/Below Water Table
BH- 1	2,417.15	12-16	2,399.80	17.35	Above
BH-1	2,417.15	20-24	2,399.80	17.35	**Below**
BH- 1	2,417.15	38-32	2,399.80	17.35	**Below**
BH- 1	2,417.15	32-38	2,399.80	17.35	**Below**
BH-2	2,421[1]	20-21	2,398.90	22.1	Above
BH- 3	2417.25	32-34	2,398.40	18.85	**Below**
BH- 4	2417.09	24-27	2,402.00	15.09	**Below**
BH- 5	2416.92	20-24	2,404.00	12.92	**Below**
BH- 5	2416.92	32-34	2,404.00	12.92	**Below**
BH- 6	2417.00	20-22	2,401.00	16.00	**Below**
BH- 7	2416.98	32-34	2,399.40	17.58	**Below**
BH- 8	2417.11	16-20	2,398.30	18.81	**Uncertain**
BH- 8	2417.11	28-31.5	2,398.30	18.81	**Below**
BH- 9	2417.19	30-31	2,396.80	20.39	**Below**
BH- 10	2417.12	28-31	2,401.20	15.92	**Below**
BH- 11	2417.11	8-12	2,400.30	16.81	Above
BH-12	2,417[1]	12-16	2,395.00	22.00	Above
BH-12	2,417[1]	16-19	2,395.00	22.00	Above
BH-13A	2417.20	4.0 - 5.0	2,402.70	14.50	Above
BH-13B	2417.20	12.5 - 13.5	2,402.70	14.50	Above
BH-14A	2417.05[2]	1.5 - 2.5	2402.88	14.17	Above
BH-14B	2417.05[2]	9.5 - 12.0	2402.88	14.17	Above
BH-14C	2417.05[2]	15.5 - 17.0	2402.88	14.17	**Below**
BH-15A	2417.26	4.0 - 5.0	2,399.90	17.36	Above
BH-15B	2417.26	13.0 - 15.0	2,399.90	17.36	Above
BH-16A	2417.25	6.5 - 7.5	2,399.90	17.35	Above
BH-16B	2417.25	12.0 - 13.0	2,399.90	17.35	Above
BH-17A	2417.27	4.5 - 5.5	2,399.30	17.97	Above
BH-17B	2417.27	12.5 - 13.5	2,399.30	17.97	Above
BH-18A	2417.66	5.5 - 6.5	2,401.20	16.46	Above
BH-18B	2417.66	9.5 - 10.5	2,401.20	16.46	Above
BH-19A	2425.91	4.0 - 5.0	2,402.45	23.46	Above
BH-19B	2425.91	13.0 - 14.3	2,402.45	23.46	Above
BH-19C	2425.91	18.5 - 19.5	2,402.45	23.46	Above
BH-20A	2417.03[2]	4.5 - 5.5	2,396.50	20.53	Above
BH-20B	2417.03[2]	13.5 - 14.5	2,396.50	20.53	Above
BH-20C	2417.03[2]	22.5 - 24	2,396.50	20.53	**Below**
BH-21A	2417.31	5.0 - 7.0	2,396.60	20.71	Above
BH-21B	2417.31	15.0 - 16.0	2,396.60	20.71	Above

Prepared by: CHB
Checked by: ZHM

Table 16
Sample Interval Versus Depth to Groundwater
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

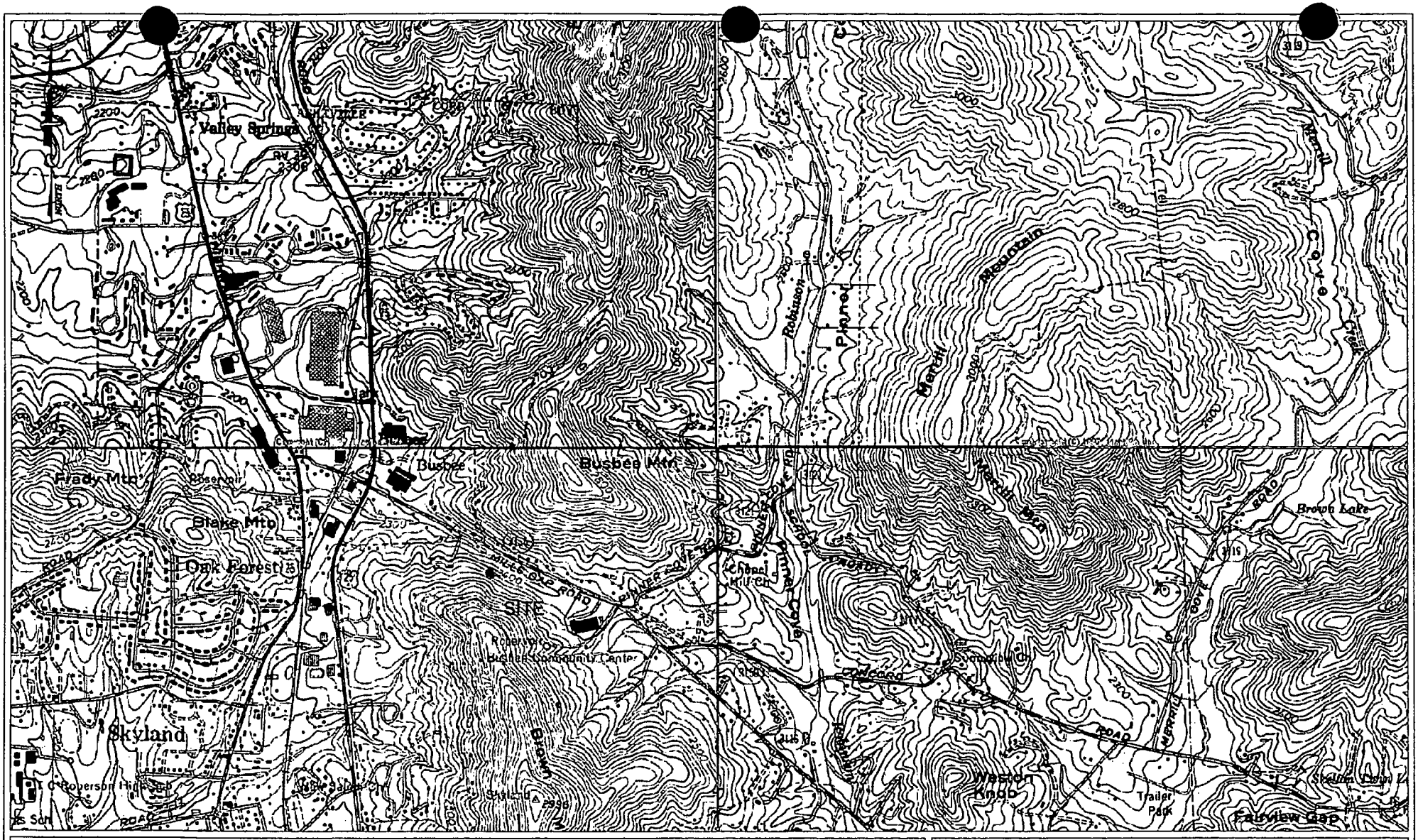
Location	Ground Surface Elevation (ft. msl)	Sample Depth (ft. bgs)	Approximate Water Table Surface (ft. msl)	Approximate Depth to Water Table (ft. bgs)	Sample Above/Below Water Table
BH-21C	2417.31	17.5 - 19.5	2,396.60	20.71	Above
BH-22A	2417.30	5.5 - 6.5	2,397.60	19.70	Above
BH-22B	2417.30	12.5 - 13.5	2,397.60	19.70	Above
BH-22C	2417.30	18.0 - 20.0	2,397.60	19.70	**Uncertain**
BH-23A	2417.05	1.5 - 2.5	2,398.60	18.45	Above
BH-23B	2417.05	14.5 - 15.5	2,398.60	18.45	Above
BH-24A	2431.79	2.0 - 4.0	2,398.90	32.89	Above
BH-24B	2431.79	9.5 - 10.0	2,398.90	32.89	Above
BH-25A	2417.27	0.5 - 1.5	2,394.90	22.37	Above
BH-25B	2417.27	12.0 - 13.0	2,394.90	22.37	Above
BH-25C	2417.27	17.0 - 18.0	2,394.90	22.37	Above
BH-26A	2417.21	4.5 - 5.5	2,395.30	21.91	Above
BH-26B	2417.21	14.5 - 15.5	2,395.30	21.91	Above
BH-26C	2417.21	16.5 - 18.5	2,395.30	21.91	Above
BH-27A	2416.99	4.5 - 5.5	2,395.50	21.49	Above
BH-27B	2416.99	9.5 - 10.5	2,395.50	21.49	Above
BH-27C	2416.99	15.5 - 16.5	2,395.50	21.49	Above
BH-28A	2417.44	2.5 - 3.5	2,396.50	20.94	Above
BH-28B	2417.44	15.0 - 16.0.	2,396.50	20.94	Above
BH-29A	2425.25 (2)	4.5 - 5.5	2,396.91	28.34	Above
BH-29B	2425.25 (2)	14.5 - 15.5	2,396.91	28.34	Above
BH-29C	2425.25 (2)	19.5 - 20.5	2,396.91	28.34	Above
BH-29D	2425.25 (2)	26.5 - 27.5	2,396.91	28.34	**Uncertain**
BH-30A	2417.68	4.5 - 5.5	2,392.90	24.78	Above
BH-30B	2417.68	14.5 - 15.5	2,392.90	24.78	Above
BH-30C	2417.68	17.0 - 18.0	2,392.90	24.78	Above
BH-31A	2418.70	5.5 - 6.5	2,394.80	23.90	Above
BH-31B	2418.70	11.5 - 12.5	2,394.80	23.90	Above
BH-31C	2418.70	18.0 - 19.0	2,394.80	23.90	Above
BH-32A	2417.24	6.0 - 7.0	2,399.40	17.84	Above
BH-33A	2416.87	6.5 - 7.5	2,399.20	17.67	Above
BH-34A	2417.02	5.0 - 6.0	2,399.80	17.22	Above
BH-34B	2417.02	12.0 - 13.5	2,399.80	17.22	Above

Notes:

1. Elevation estimated from topographic survey, exact location of bore holes could not be identified in the field.
2. Elevation is from top of PVC casing.
4. BH = Bore Hole; TW = Test Well; PZ = Piezometer
5. ft. msl - Feet above Mean Sea Level; ft. bgs - Feet Below Ground Surface

Prepared by: CHB
Checked by: RMY

FIGURES

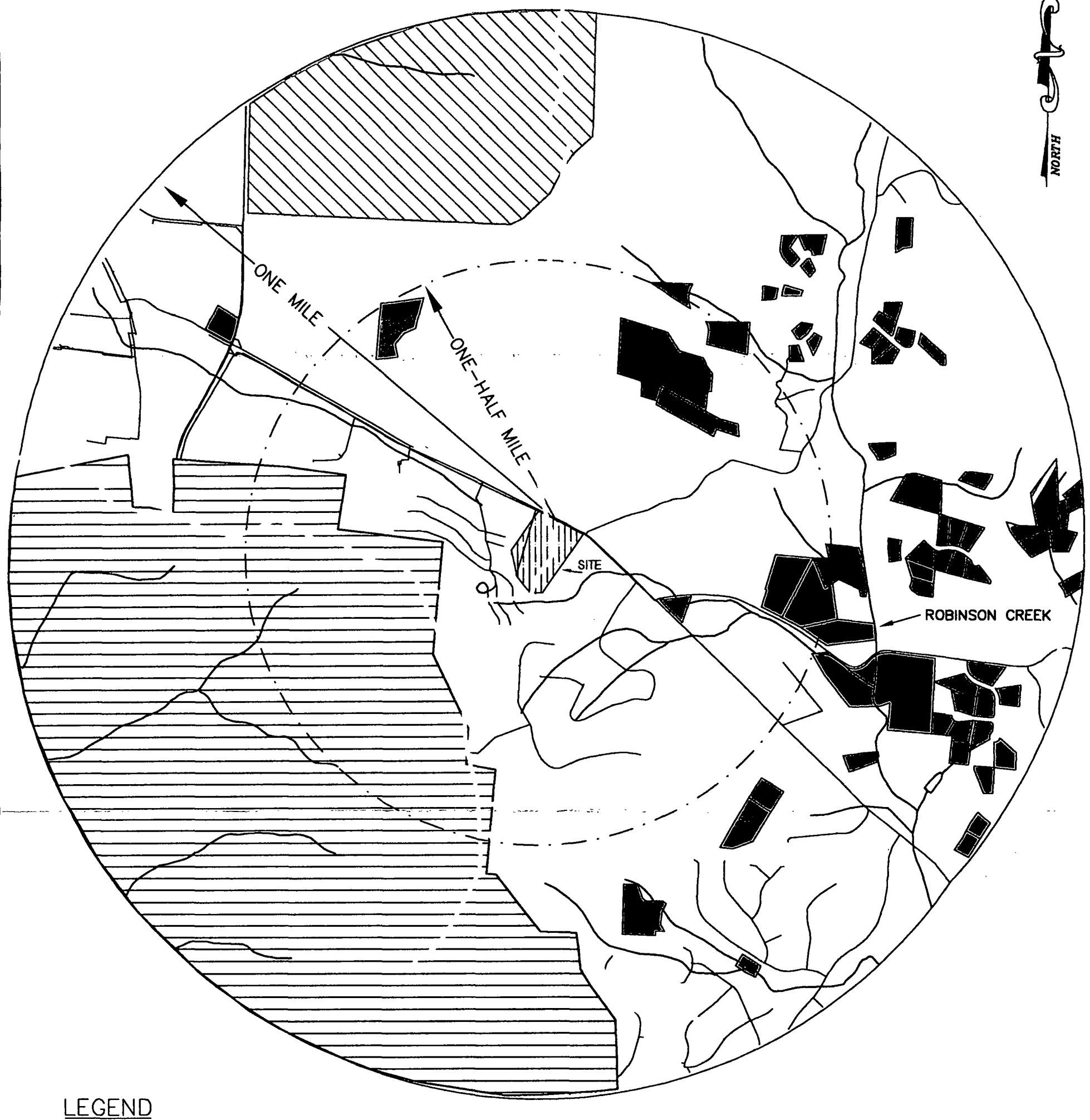


SITE LOCATION MAP
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

MACTEC
ENGINEERING AND CONSULTING, INC.

DRAWN: HLD	ENG CHECK:	DATE: 8/03/2004	PROJECT: 6690039450.10
DFT CHECK: CHB	APPROVAL:	SCALE: 1" = 2000'	FIGURE: 1

REFERENCE: USGS QUADRANGLES ASHEVILLE (1961), OTEEN (1962), SKYLAND (1978), FRUITLAND (1978)



LEGEND

- A – NORTHWEST PORTION NOT SURVEYED
- B – SOUTHWEST PORTION NOT SURVEYED
- WELL PREVIOUSLY IDENTIFIED (8 PARCELS WITHIN ONE MILE, 4 WITHIN 1/2-MILE IN SERVICE)
- POSSIBLE WELL STRUCTURE IDENTIFIED (58 PARCELS WITHIN ONE MILE, 6 WITHIN 1/2-MILE)
- STREAMS AND WATER BODIES
- WATER SUPPLY LINES
- PROMINENT RIDGES

1200 600 0 1200
APPROXIMATE SCALE IN FEET

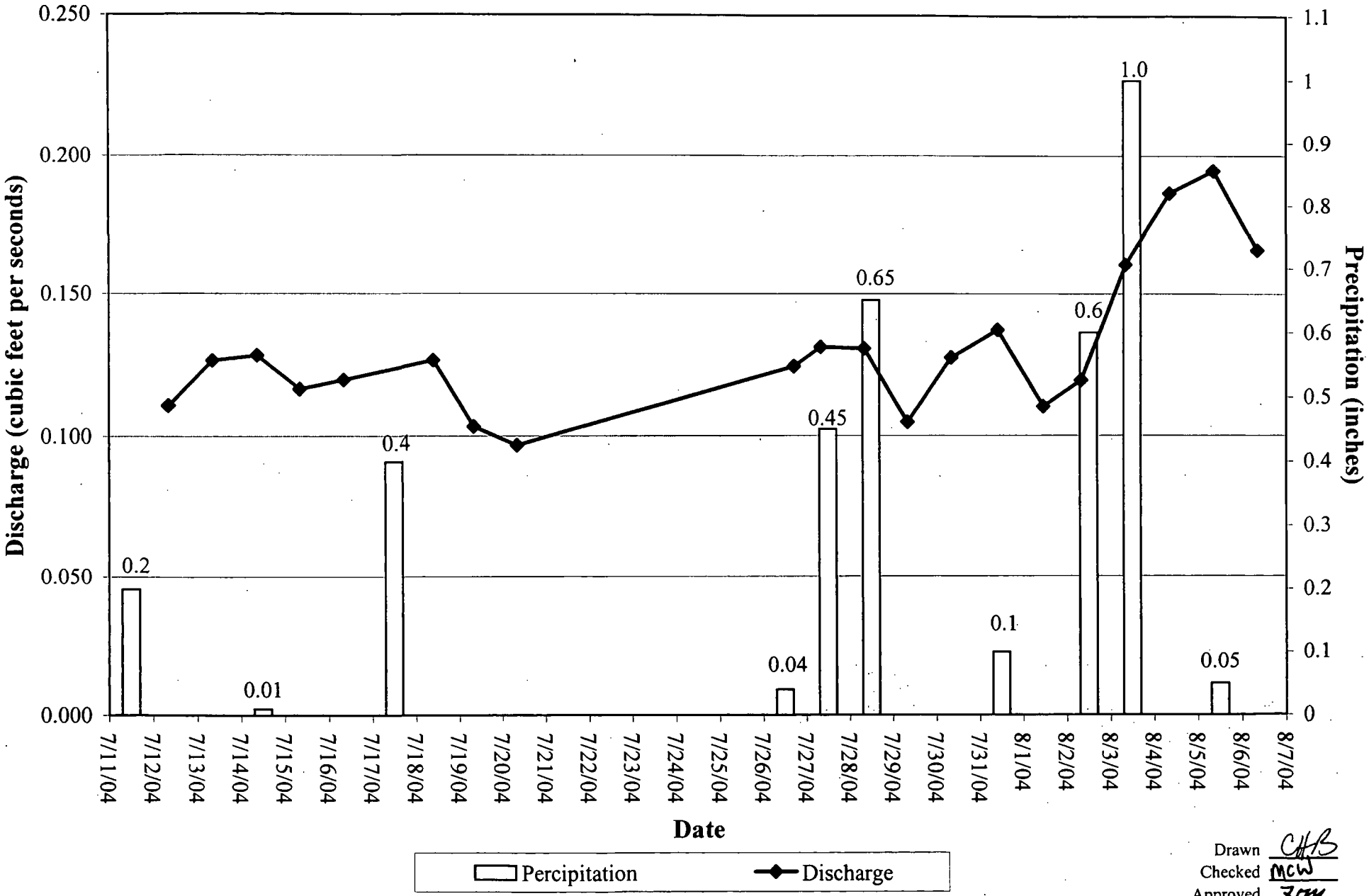
WELL SURVEY LOCATION
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

MACTEC
ENGINEERING AND CONSULTING, INC.

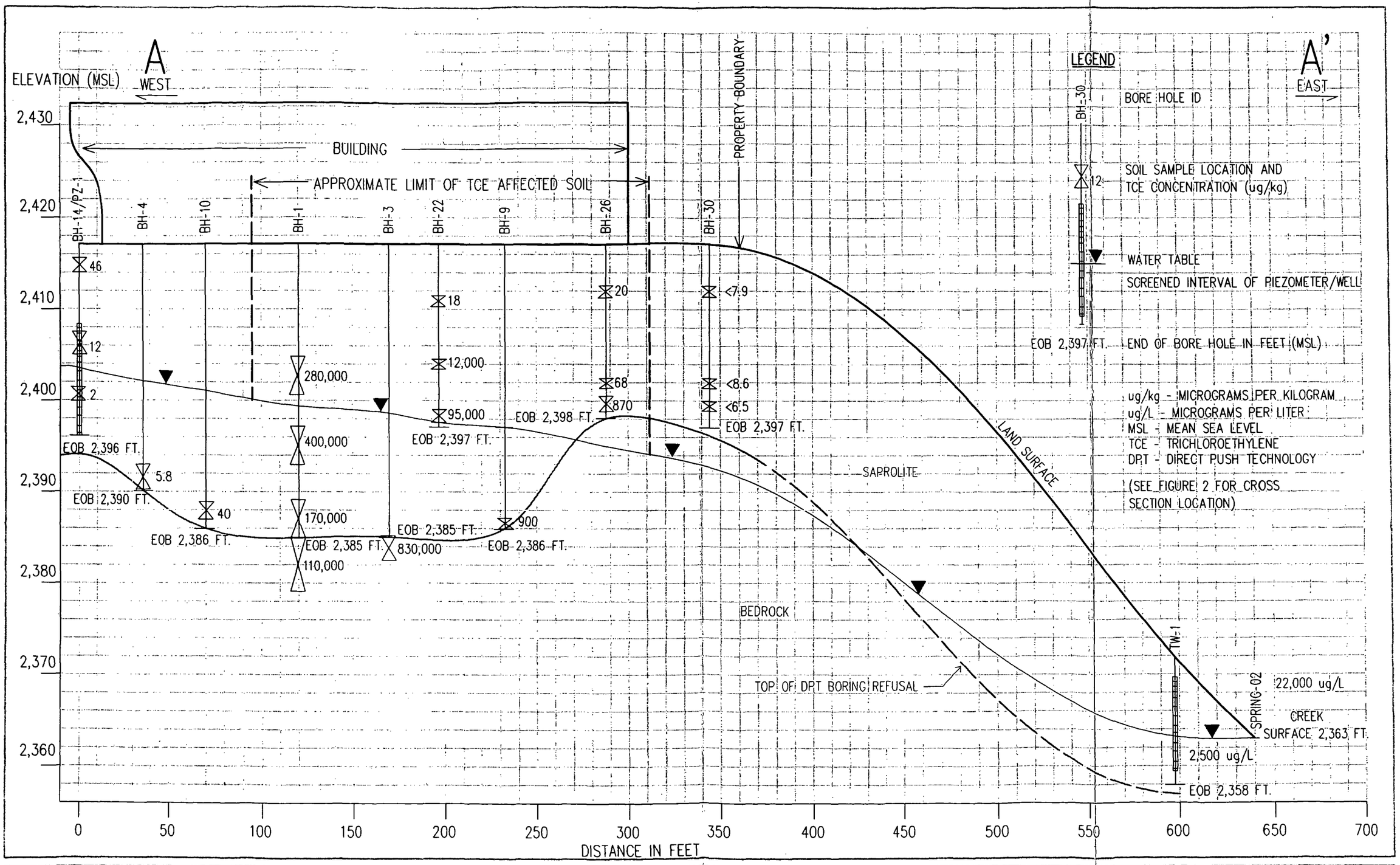
DRAWN: CHK	ENG CHECK:	DATE: 8/24/2004	JOB: 6690-03-9450
DFT CHECK: MCW	APPROVAL: RM	SCALE: 1"=1,200'	FIG: 2

REFERENCE: CITY OF ASHEVILLE WATER RESOURCES DEPARTMENT

FIGURE 3
Precipitation and Flow Measurements (7-09-04 through 8-06-04)
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.08



Drawn CHB
Checked MCW
Approved ZRM



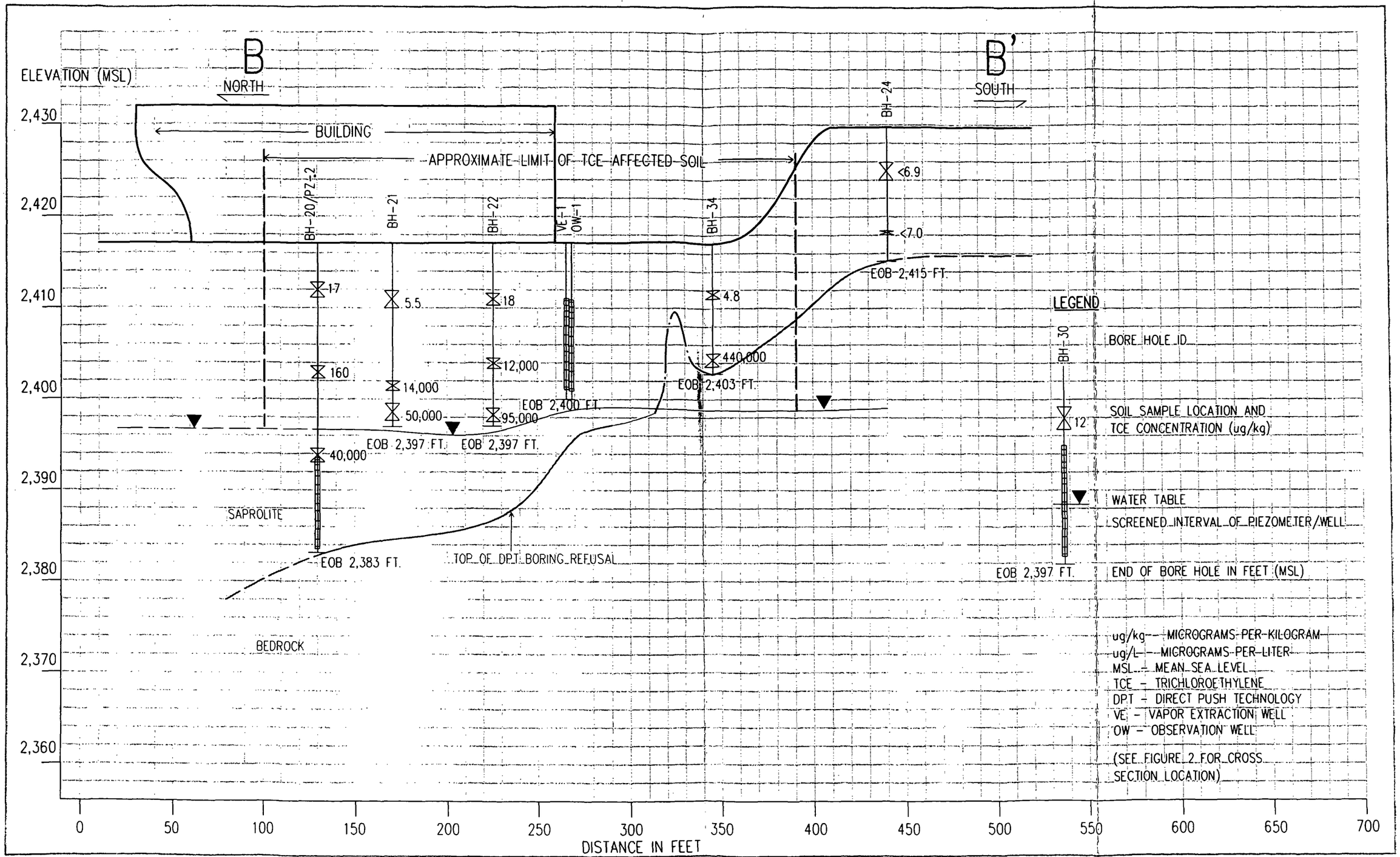
DRAWN HLD	DATE 08-19-04	REVISIONS	
CHECKED CHB	FILE XSECT1.DWG	No. / DESCRIPTION / BY	
APPROVED JM	JOB NO: 6690-03-9450.09		

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

CROSS SECTION A – A'
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE 4



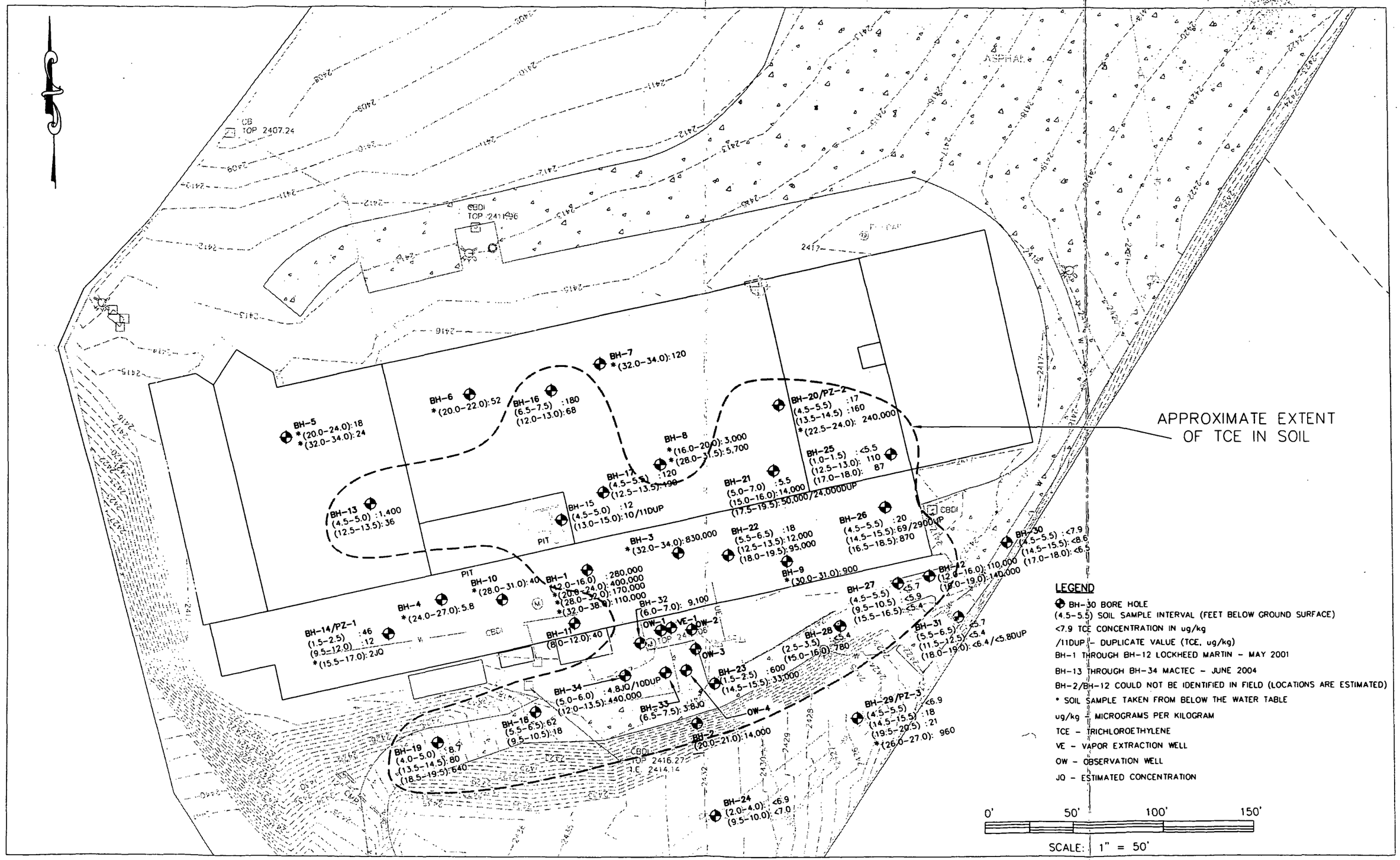
DRAWN CHB	DATE 08-19-04	REVISIONS	
CHECKED MCW	FILE XSECT1.DWG	No. / DESCRIPTION / BY	
APPROVED 7/7/04	JOB NO: 6690-03-9450.09		

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

CROSS SECTION B - B'
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE 5



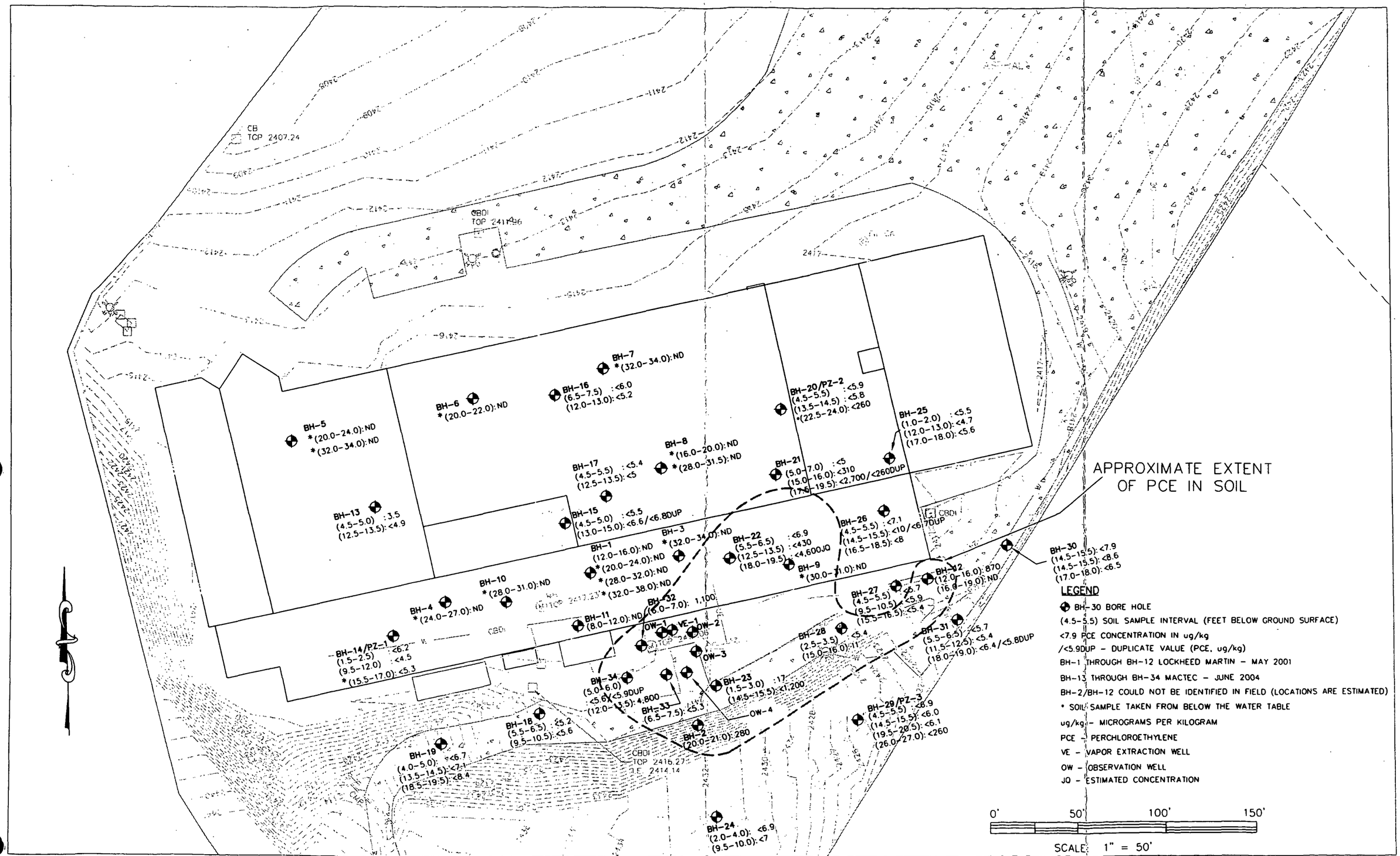
DRAWN CHB	DATE 08-27-04	REVISIONS	
CHECKED MCW	FILE TCE.DWG	No. / DESCRIPTION / BY	
APPROVED 7/29	JOB NO: 6690-04-9450.09		

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

DISTRIBUTION OF TCE IN SOIL
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE 6



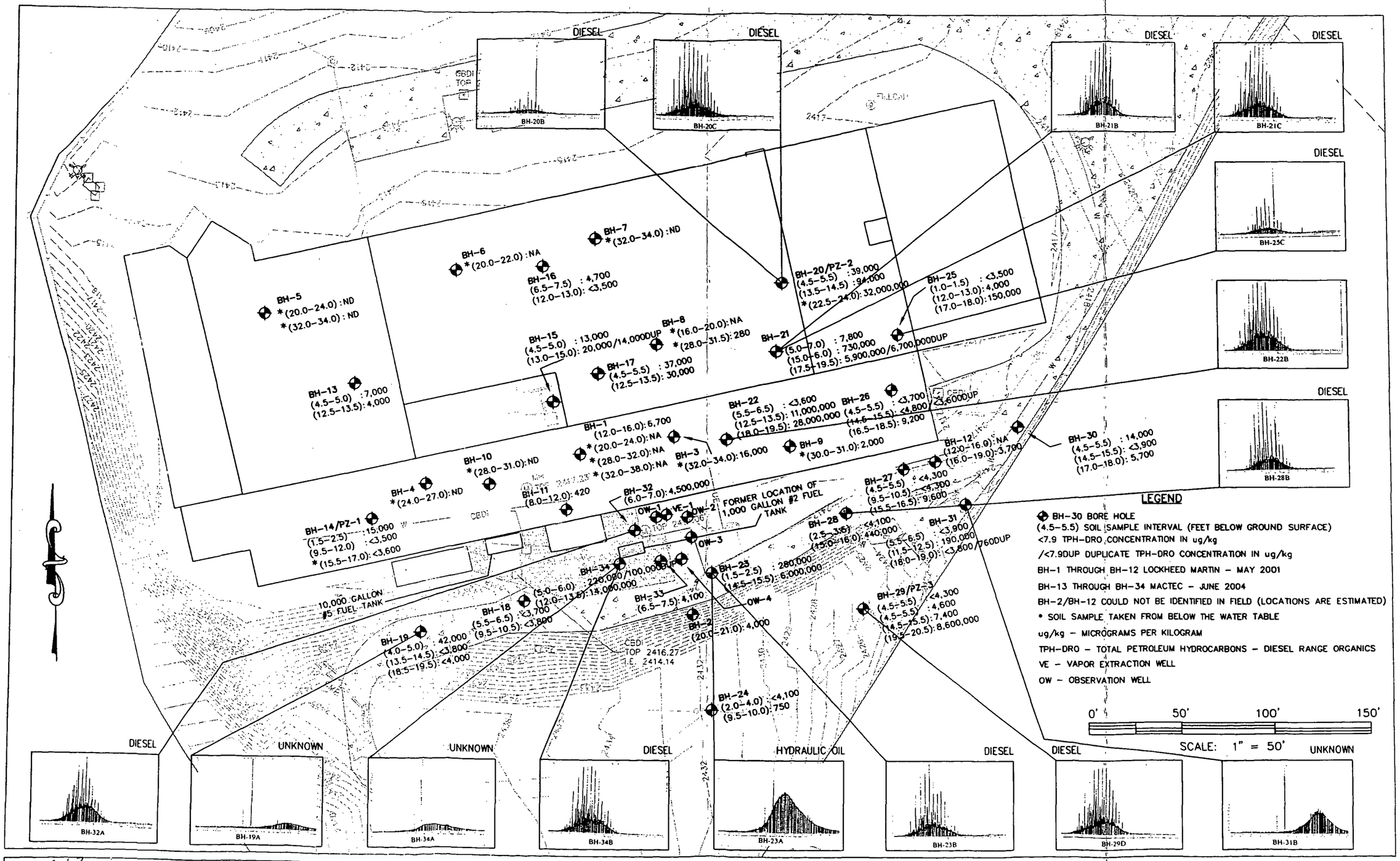
DRAWN CHB	DATE 08-27-04	REVISIONS			
CHECKED MCW	FILE PCE.DWG	No.	DESCRIPTION	BY	
APPROVED TJM	JOB NO: 6690-03-9450.09				

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

DISTRIBUTION OF PCE IN SOIL
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE
7



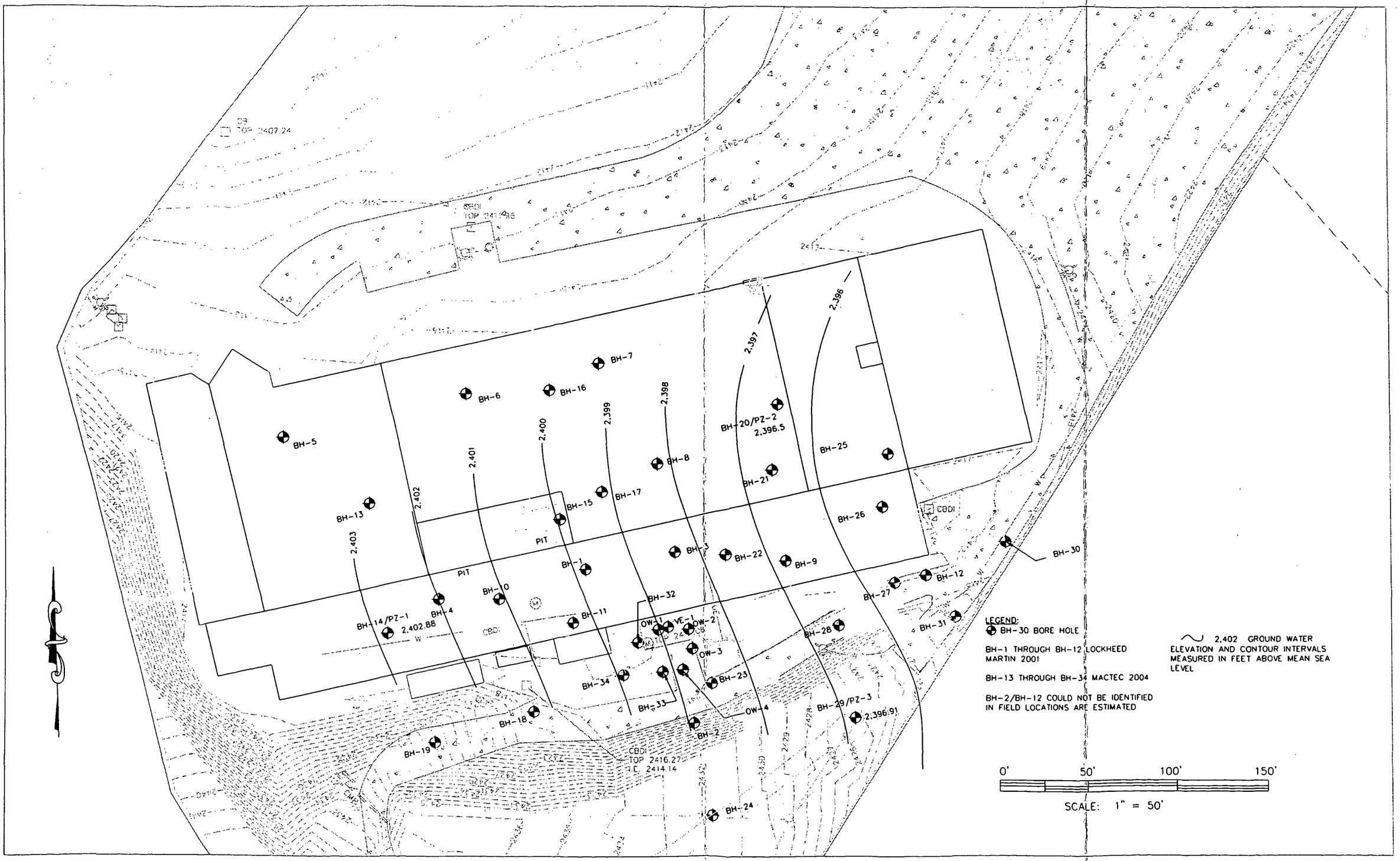
DRAWN CHB	DATE 08-24-04	REVISIONS	
CHECKED MCW	FILE TPHDRO.DWG	No. / DESCRIPTION / BY	
APPROVED RJY	JOB NO: 6690-03-9450.09		

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

DISTRIBUTION OF TPH-DRO IN SOIL
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE 8



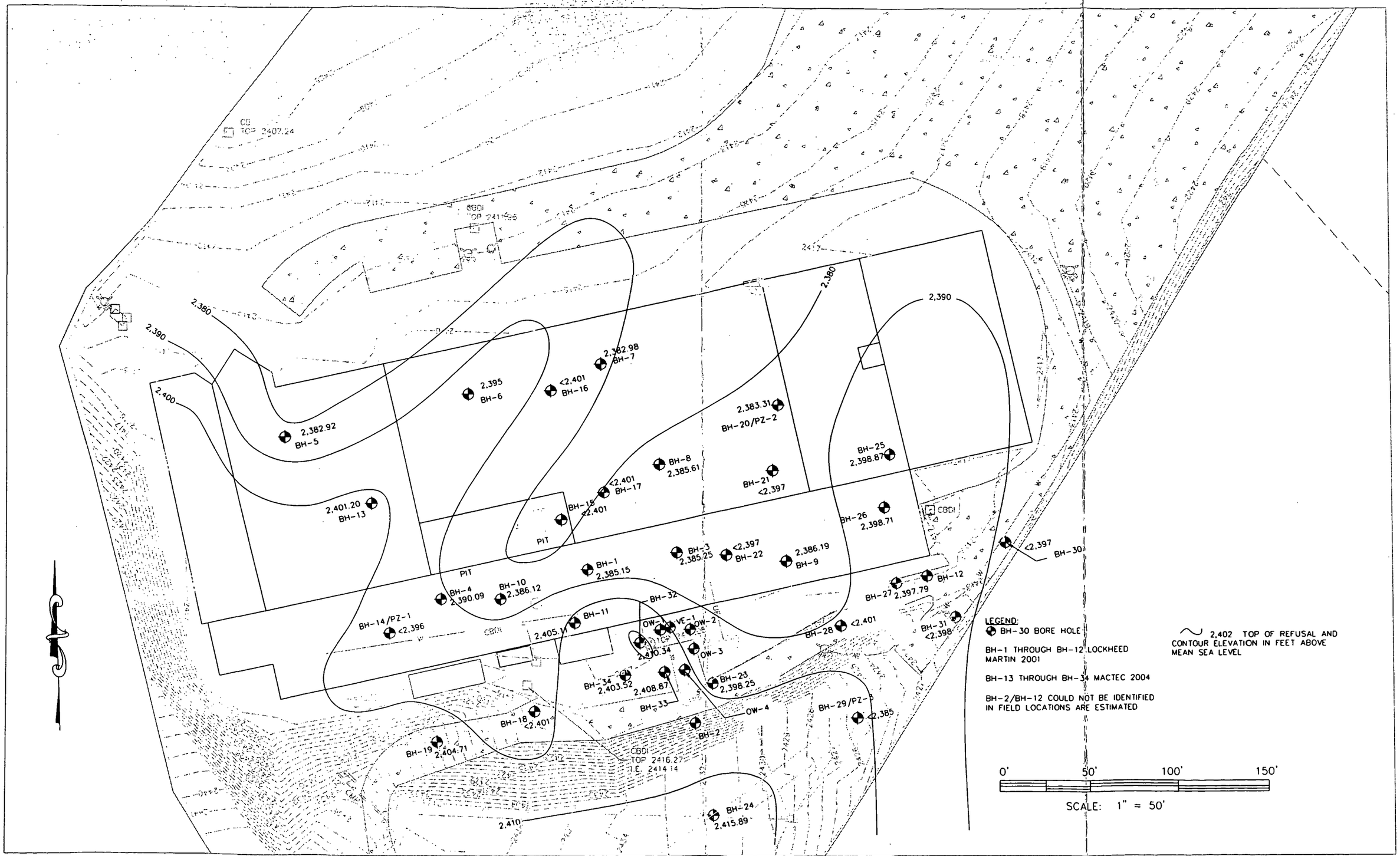
DRAWN HLD	DATE 08-27-04	REVISIONS	
CHECKED CHB	FILE GROUNDWATER.DWG	No. / DESCRIPTION / BY	
APPROVED JW	JOB NO: 6690-03-9450.09		

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

WATER TABLE CONFIGURATION MAP
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

FIGURE 9



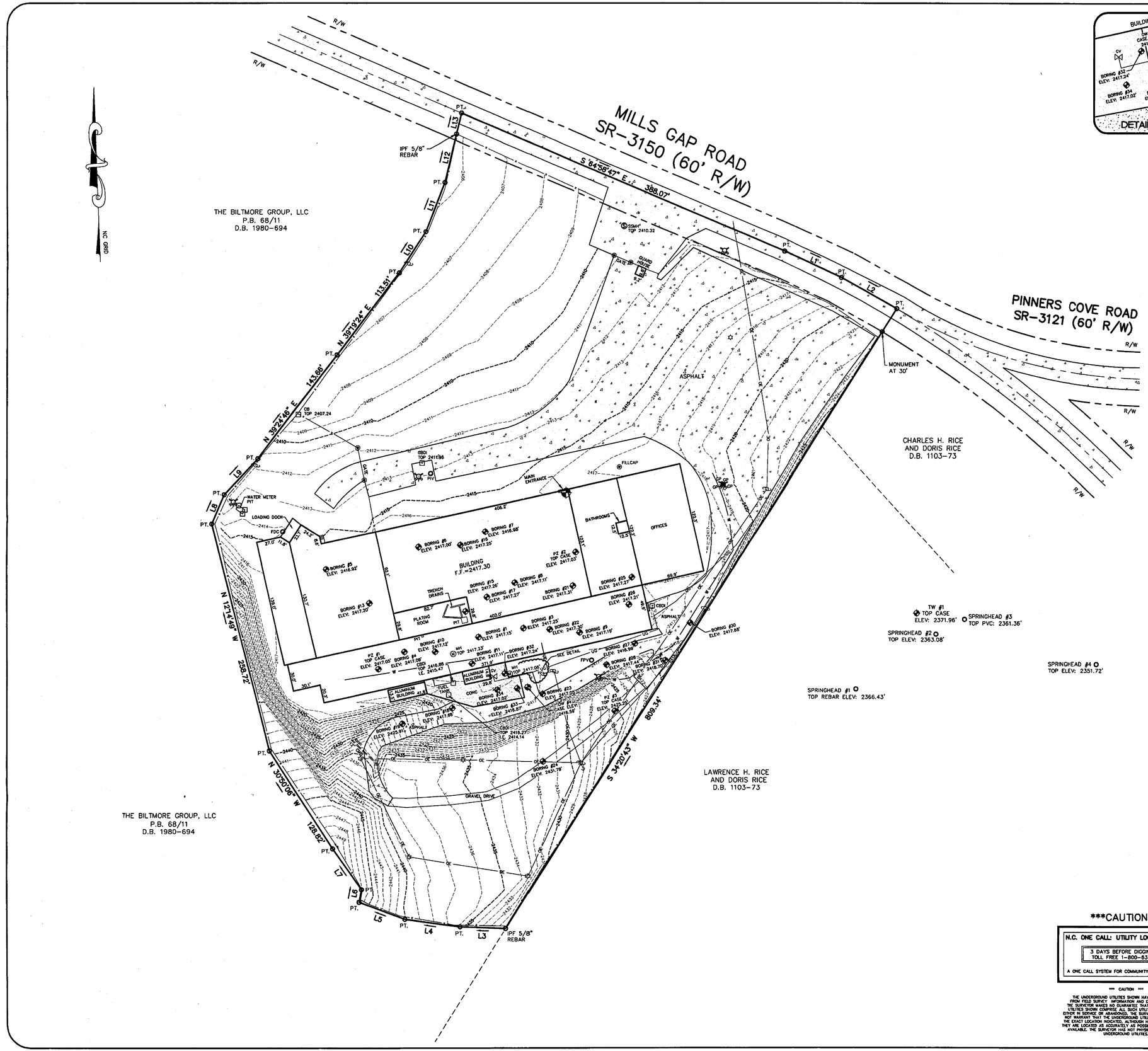
DRAWN HLD	DATE 08-27-04	REVISIONS			
CHECKED CHB	FILE TOPOFREFUSAL.DWG	No.	DESCRIPTION	BY	
APPROVED JTM	JOB NO: 6690-03-9450.09				

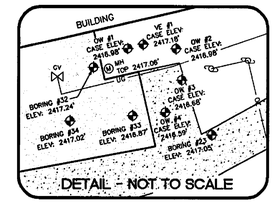
MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

TOP OF REFUSAL STRUCTURE MAP
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

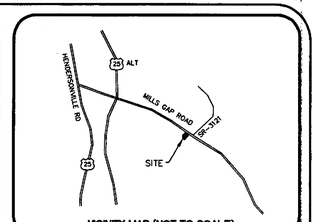
FIGURE 10





LEGEND:

	LIGHT POLE
PP	POWER POLE
	WATER VALVE
WM	WATER METER
SDMH	STORM DRAIN MANHOLE
CB	CATCH BASIN
SSMH	SANITARY SEWER MANHOLE
GV	GAS VALVE
TP	TELEPHONE PEDESTAL
B-1	BORING
MW	MONITORING WELL
	FIRE HYDRANT
NIP	NEW IRON PIN (5/8" REABR)
EIP	EXISTING IRON PIN
— OE —	OVERHEAD ELECTRIC LINE
— UE —	UNDERGROUND ELECTRIC LINE
— SS —	SANITARY SEWER LINE
— W —	WATER LINE
— UG —	GAS LINE
— OT —	OVERHEAD TELEPHONE LINE
— UT —	UNDERGROUND TELEPHONE LINE
	GUARD POST
UGMRK	UNDERGROUND GAS MARKER
C.O.	CLEANOUT
FPV	FIRE PROTECTION VALVE
FDC	FIRE DEPARTMENT CONNECTION
R/W	RIGHT-OF-WAY
	MANHOLE



VICINITY MAP (NOT TO SCALE)

SURVEYOR'S NOTES:

1.) THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION TAKEN FROM P.B. 71-21. SURVEYOR MAKES NO GUARANTEE OF ITS ACCURACY.

2.) THIS PLAT HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT NECESSARILY INDICATE ALL ENCUMBRANCES ON THE PROPERTY.

NOT FOR RECORDATION

FLOOD INFORMATION:

THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (AREAS NOT INSIDE 100-YEAR FLOOD PLAIN) PER BUNCOMBE COUNTY FIRM COMMUNITY MAP NO. 3702120460 C EFFECTIVE DATE: MAY 6, 1996

LAND AREA:

378,386 SQ.FT.
8.69 ACRES

BASIS OF BEARINGS AND ELEVATIONS:

BASIS OF BEARINGS AND ELEVATIONS DERIVED THROUGH "REAL-TIME" GPS OBSERVATION OF USGS MONUMENTS "KELVIN" AND "BUSBEE."

Freeland
SURVEYORS • ENGINEERS

FREELAND & ASSOCIATES, INC.
323 WEST STONE AVE.
GREENVILLE S.C. 29609
TEL. (864) 271-4924 FAX: (864) 233-0315
EMAIL: jfreeland@worldnet.att.net

DRAWN: JMP/JKS PARTY CHIEF: JKS	CHECKED: MVA
REF. PLAT BOOK:	71-21
REF. DEED BOOK:	1530-719
TAX MAP :	9655.15-62-3668
DATE OF SURVEY:	2-18-04
DRAWING NO:	55189-1
DATE OF LAST REVISION:	JULY 12, 2004 (ASH)

0' 50' 100' 150'
SCALE: 1" = 50'

NORTH CAROLINA PROFESSIONAL SEAL L-2638 SURVEYOR JAMES R. FREELAND

RLS: JAMES R. FREELAND
NO: L2638

CAUTION

N.C. ONE CALL: UTILITY LOCATOR SERVICE

3 DAYS BEFORE DIGGING CALL
TOLL FREE 1-800-632-4949

A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

*** CAUTION ***

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

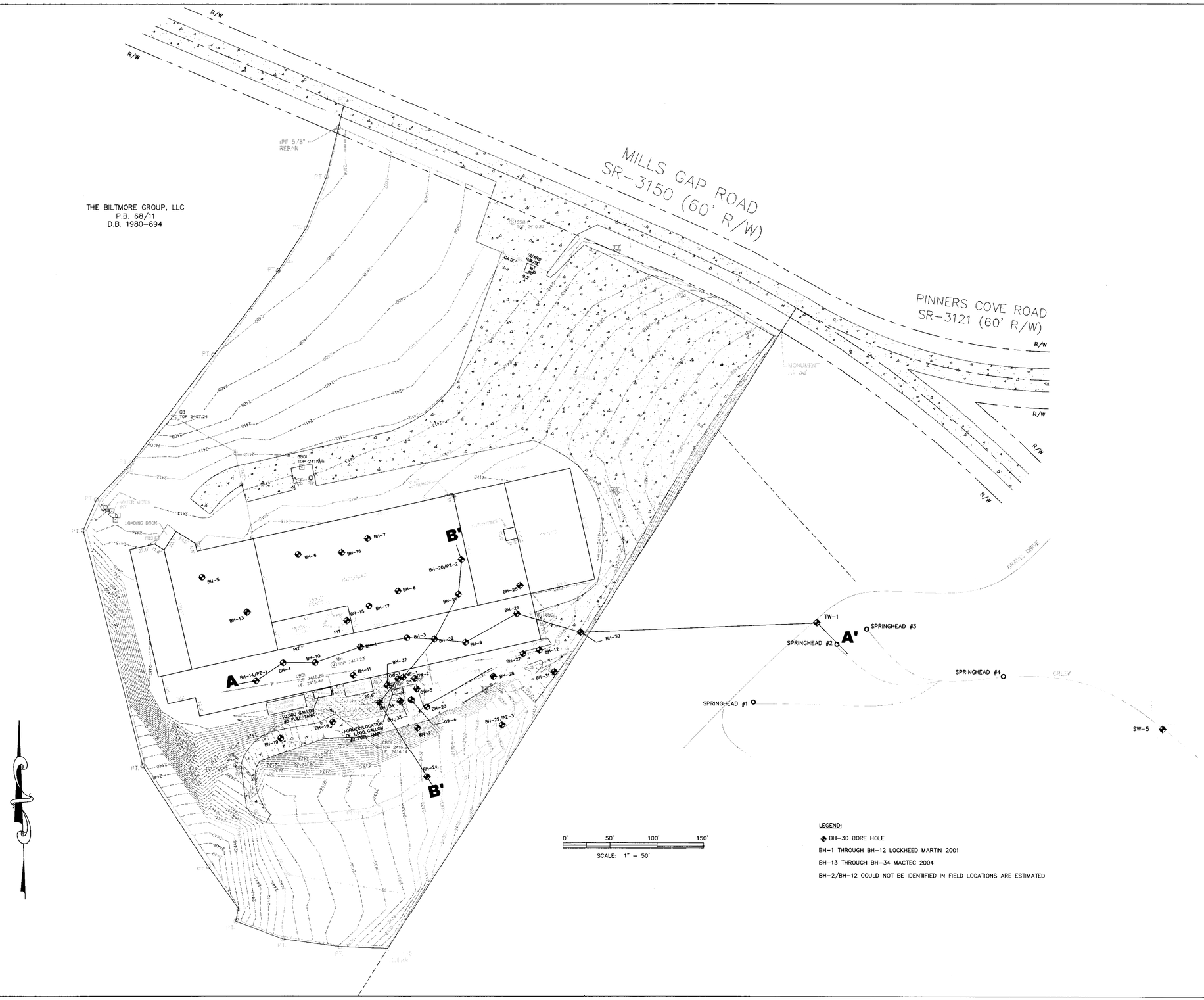
LINE TABLE

LINE	LENGTH	BEARING
L1	70.00'	S 63°12'10" E
L2	70.24'	S 58°54'36" E
L3	50.66'	N 86°01'41" W
L4	61.62'	N 80°17'23" W
L5	54.01'	N 67°37'05" W
L6	14.08'	N 12°56'51" E
L7	55.15'	N 33°22'54" W
L8	35.66'	N 24°41'33" E
L9	54.23'	N 45°06'31" E
L10	54.20'	N 34°55'41" E
L11	58.27'	N 23°31'06" E
L12	54.29'	N 15°32'25" E
L13	23.73'	N 15°32'14" E

STATE OF NORTH CAROLINA
BUNCOMBE COUNTY

PLATE 1
MILLS GAP ROAD SITE
TOPOGRAPHIC SURVEY

SITE ADDRESS:
MILLS GAP ROAD
SKYLAND, NC



LEGEND:

BH-30 BORE HOLE

BH-1 THROUGH BH-12 LOCKHEED MARTIN 2001

BH-13 THROUGH BH-34 MACTEC 2004

BH-2/BH-12 COULD NOT BE IDENTIFIED IN FIELD LOCATIONS ARE ESTIMATED

DRAWN	DATE 08-21-04	REVISIONS			
CHECKED	FILE MILLSGAPROAD.DWG	No.	DESCRIPTION	BY	
APPROVED	JOB NO: 6690-03-9450.09				

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

SITE MAP AND CROSS SECTION LOCATIONS
MILLS GAP ROAD SITE
NEAR SKYLAND, NORTH CAROLINA

PLATE 2

APPENDICES

APPENDIX A

PROPERTIES WITH POTENTIAL POTABLE WELLS

Parcels Containing a Well or Well Structure
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

OWNER NAME	PHYSICAL ADDRESS	PIN NUMBER
Well Structures Previously Identified		
Harrell, Margaret	50 Concord Road	965520916804
King, Daniel & Angela	15 Moriah Lane	966517023488
Lisenbee, Ola & William	32 Concord Road	965520828241
Randall, Marguerite & Robert	42 Concord Road	965520922139
Robinson, Ethel	10 Concord Road*	965520729325
Schmidt, John & Virginia	55 Concord Road	965520919343
Smith, Steven & Alice	127 Mills Gap Road	965510457085
Smith, Tony & Freida	24 Walsh Trace	966517102544
Wilson, James	10 Jean Drive	965512950423
Possible Well Structure Identified		
Baldwin, Tony & Angela	9999 Pinners Cove Road	965516925544
Bartalini, Mark & Diane	15 Shelby Drive	965516942940
Beardsley, Dale & Karen	8 Bethel Drive	966513020790
Bernotski, Jeffrey & Carolina	15 Walsh Trace	966517018029
Bowen, Richard & Laura	5 Walsh Trace	966517017298
Bradley, David	14 Chapel Hill Road	965516749163
Brooks, Barbara	9999 School Road	966513136145
Burnette, Emery & Brenda	110 Russett Lane	966517007587
Burnette, Mary & Maxine	9999 School Road	965516939776
Carpenter, Calvin & Deborah	114 Russett Lane	966517007880
Chang, Daiw & Chun Soon	19 Shelby Drive	965516940749
Chapman, Scottie & Cindy	633 School Road	966513039435
Collier, Robert & Rae Ann	32 Deseret Drive	965407784824
Conley, Carl & Kathryn	29 Jean Drive	965512951698
Dick, Wallace & Frances	56 Chapel Hill Road	965512757485
Dickinson III, Walter	25 Moriah Lane	966513027567
Dooley, Cloma	17 Saint Andrews Road	965408885362
Elwyn, Richard & Sylvia	24 Moriah Lane	966513027940
Emory, Josie	547 School Road	966517220316
Fero, Tracy & Shari Benedict	14 Forest Run Drive	966513041994
Freidrich, Craig & Jacquelyn	117 Russett Lane	966517005887
Godfrey, Ralph & Nell	626 School Road	966513033341
Guaranty Bank SSB	9999 Moriah Lane	966513026900
Hare, Donald & Nancy	17 Hare Ridge	966513128861
Helton, Ernest & Laura	35 Hare Ridge	966513230323
Howard, Amos	29 Forest Run Road	966509061093
Howard, Timothy	8 Fox Run Drive	966509050273
Hudson, Ted & Irene	15 Forest Run Drive	966513044881
Hyatt, Karen	26 Hare Ridge	966513138068
Johnson, Calvin	26 Moriah Lane	966513028885
Johnson, Susanne	2 Jean Drive	965512951012
Lance, Clifford & Donna	286 Mills Gap Road	965520727182
Love, Michael & Sherril	20 Jean Drive	965512857482
Market Center, Inc.	3094 Sweeten Creek Road	965510350121
McGahren Jr., Francis & Joanna	4 Brae Burn Drive	966405098579
McGeorge, Dennis & Brenda	23 Moriah Lane	966513026601
Mickle, Arie	30 Jean Drive	965512859890
Miller, Margaret	39 Jean Drive	965512952953
Milner, Charles & Jane	9 Forest Run Drive	966513040715
Morris, Gerald & Irma	2 Walsh Trace	966517110412

Parcels Containing a Well or Well Structure
Mills Gap Road Site
Near Skyland, North Carolina
MACTEC Project 6690-03-9450.09

OWNER NAME	PHYSICAL ADDRESS	PIN NUMBER
Possible Well Structure Identified (cont.)		
Morrow, Patricia	31 Hare Ridge	966513230241
Park, Jung & Young	105 Russett Lane	966517110058
Peyrot, Renee	5 Forest Run Drive	965516949834
Pinner IV, Thomas & Patricia	35 Chapel Hill Road	965516843947
Ponder, Anthony & Glennis	42 Chapel Hill Road	965516747664
Renfro, Irene	23 Ralphs Lane	965520807155
Rhodes, Ralph & Velma	39 Ralphs Lane	965408895873
Riddle, Joseph & Judy Ann	3 Forest Run Drive	965516948943
Robinson, Mack & Rebecca	10 Concord Road	965516729535
Slattery, Gary & Patricia	10 Walsh Trace	966517112197
Sovereign Properties, LLC	6 Brae Burn Drive	966405099799
Sublett, Gary & Rosaline	6 Forest Run Drive	965512959190
Tadayon, Fraydoon & Fereshteh	12 Bethel Drive	966517023371
Travis Jr., Joseph	11 Brae Burn Drive	966517100360
Webb, Frederick & Noriko	108 Russett Lane	966517100717
White, Thomas & Cheryl	21 Moriah Lane	966513024605
Wilhite, Jacqueline	9999 School Road	966513126706
Yost, Raymond & Pamela	27 Moriah Lane	966517029427

Notes:
1. "9999" indicates house number not listed.
2. Parcel information provided by the City of Asheville Water Resources Department.
* The groundwater well pump at 10 Concord Road was removed by North Carolina Department of Environmental and Natural Resources in 1999 and thus is not shown on Figure 2.

APPENDIX B

BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	Concrete		
	SAND (SW) - reddish brown coarse; wet; presumably fill		
	SILT (ML) - reddish brown with trace coarse; low mica content, wet; brown and red mottling		
	No Recovery		
	SILT (ML) - moist with trace sand; several gravel size pieces of concrete and brick		
5	SAND (SW) - coarse with silt; abundant unstained quartz gravel; moist		
	Silty SAND (SM) - reddish brown; very fine to fine; moist; low mica content		
	SAND (SW) - fine to coarse with some silt; low to moderate mica content; moist; brown kaolin present; no odor zone of orange-brown stained quartz sand at 10.3 feet increased moisture at 11.0 feet		
10			
15	Boring terminated at 16 feet		
20			
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

0.0 = NR
0.5 = NR
1.0 = 0.2
1.5 = 2.2
2.0 = 2.8
2.5 = NR
3.0 = NR
3.5 = NR
4.0 = NR
4.5 = 4.6
5.0 = 2.5
5.5 = 1.0
6.0 = 0.6
6.5 = 0.5
7.0 = 2.5
7.5 = 1.5
8.0 = 1.5
8.5 = 2.4
9.0 = 0.8
9.5 = 0.5
10.0 = 0.8
10.5 = 2.2
11.0 = 2.2
11.5 = 1.0
12.0 = 0.3
12.5 = 1.5
13.0 = 2.5
13.5 = 1.0
14.0 = 1.0
14.5 = 0.6
15.0 = 0.5
15.5 = 2.0
16.0 = 0.2

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: BH-13
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Concrete			0.0 = 0.0
	Sandy SILT (MLS), dark brown, slight moisture, high mica content, slight foliation			1.0 = 0.0 2.0 = 0.0 3.0 = 0.0 4.0 = 0.0
5				5.0 = 0.0 6.0 = 0.0 7.0 = 0.0
	Sandy SILT (MLS), brown, white mineralization (kaolin) 2.5 inch quartz vein at 10.5 feet with iron staining			8.0 = 0.0 9.0 = 0.0
10				10.0 = 0.0
	Silty SAND (SM), brown, weathered quartz and gneiss fragments 1 inch quartz gravel at 11.5 feet			11.0 = 0.0 12.0 = 0.0
	Sandy SILT (MLS), medium brown, slight increase in moisture, high mica content 2 inch thick quartz vein at 12.25 feet			13.0 = 0.0 14.0 = 0.0
15	Silty SAND (SM), dark brown, iron staining and relict structures present Fine to medium SAND (SW), orangish-brown			15.0 = 0.0 16.0 = 0.0
	Sandy SILT (MLS), dark brown, wet at 18 feet, high mica content, some relict structures (steeply dipping foliation) 2 inch thick coarse quartz layer at 17 feet			17.0 = 0.0 18.0 = 0.0 19.0 = 0.0
20				20.0 = 0.0 21.0 = 0.0
	Boring terminated at 21 feet			
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: BH-14
Date Drilled: June 22, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Concrete			
	Silty SAND (SM) - very fine to medium; brown; dry; low to moderate mica content			1.5 = 1.3 2.0 = 0.4 2.5 = 0.4 3.0 = 0.2 3.5 = 0.2 4.0 = 0.0 4.5 = 5.4 5.0 = 2.2 5.5 = 1.4 6.0 = 2.1 6.5 = 0.3 7.0 = 0.6 7.5 = 3.9 8.0 = 0.0 8.5 = 26.9 9.0 = 4.1 9.5 = 9.3 10.0 = 9.3 10.5 = 32.0 11.0 = 5.9 11.5 = 17.4 12.0 = 0.0 12.5 = 18.1 13.0 = 20.9 13.5 = 12.4 14.0 = 43.8 14.5 = 20.0 15.0 = 6.4 15.5 = 8.3 16.0 = 0.0
5				
	Silty SAND (SM) - very fine to medium; dark brown; slight moisture; dark minerals and kaolin present; odor			
	Sandy SILT (MLS) - hard with relict structures; high mica content with black and white layering zones with mica and large flakes			
10	zones of coarse quartz at 12.8 feet with black staining			
	Silty SAND (SM) - brown with trace coarse; low mica; strong odor; no structure structure becoming apparent at 13.8 to 14.3 feet			
15	zone of coarse quartz (up to 1/4 inch diameter) with dark staining			
	dark mineral spots and seams			
	Boring terminated at 16 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS.

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: BH-15
Date Drilled: June 23, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Concrete			
	SILT (ML) - reddish brown; slight moisture, hard mica-rich zone at 1.8 feet quartz seam at 2.2 feet with fine gravel up to 1/4 inch diameter			1.0 = 3.0 1.5 = 1.3 2.0 = 1.7 2.5 = 2.0 3.0 = 4.0 3.5 = 2.8 4.0 = 1.2 4.5 = 2.0 5.0 = 13.0 5.5 = 13.0 6.0 = 20.0 6.5 = 60.0 7.0 = 90.0 7.5 = 30.0 8.0 = 10.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.4 10.0 = 0.3 10.5 = 1.2 11.0 = 0.0 11.5 = 0.0 12.0 = 0.0 12.5 = 9.8 13.0 = 9.1 13.5 = 5.1 14.0 = 1.0 14.5 = 0.1 15.0 = 4.0 15.5 = 2.0 16.0 = 2.5
5	Silty SAND (SM) - very fine to fine; reddish brown zones of high mica content (packed) and coarse quartz relict structure becoming apparent at 5.2 feet quartz seam with coarse quartz up to 1/8 inch diameter and orange/brown staining at 7.1 feet			
	SAND (SW) - very fine to fine with low silt and low mica content, dry, no odor mica-rich zone (2 inches) at 8 feet and at 12.5 feet dark mineral weathered "spots" and seams zone of fine to coarse sand with low silt increased moisture to slight at 12.0 feet			
10				
15	Sandy SILT (MLS) - high mica content (booked) that is iron-stained, no odor, slight moisture			
	Boring terminated at 16 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL

BORING RECORD

Boring: BH-16
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Concrete Sandy SILT (MLS) - dark brown; dry; high mica content; slight odor; zones of mica books zone containing quartz fragments up to 1/4 inch diameter from 4 to 5 feet			1.0 = 3.2 1.5 = 10.0 2.0 = 9.0 2.5 = 6.0 3.0 = 14.5 3.5 = 12.2 4.0 = 7.4 4.5 = 31.0 5.0 = 51.0 5.5 = 15.0 6.0 = 13.0 6.5 = 0.4 7.0 = 8.3 7.5 = 5.8 8.0 = 13.8 8.5 = 3.0 9.0 = 2.7 9.5 = 6.4 10.0 = 2.8 10.5 = 5.2 11.0 = 2.6 11.5 = 2.0 12.0 = 0.4 12.5 = 5.2 13.0 = 11.6 13.5 = 7.0 14.0 = 3.0 14.5 = 2.0 15.0 = 2.0 15.5 = 4.5 16.0 = 1.0
5	Silty SAND (SM) - brown, very fine to medium, moderate mica content; relict structure becoming apparent at 6 feet; black mineral "spotting" Sandy SILT (MLS) - brown; coarse mica zones quartz seam with fine gravels up to 1/2 inch diameter at 6.9 feet quartz seam (1 inch thick) at 9 feet - coarse quartz (up to 1/4 inch diameter) with fine to medium sand; iron stained			
10	Silty SAND (SM) - very fine to medium, trace coarse, dry, strong odor zones with coarse, stained (dark gray/black) quartz and dark mineral weathering			
15	Boring terminated at 16 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER. MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-17
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Asphalt with coarse sand			
	Sandy SILT (MLS) with trace coarse; brown; dry; gneiss gravel present			1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0 3.5 = 0.1 4.0 = 0.2 4.5 = 0.0 5.0 = 0.0 5.5 = 0.1 6.0 = 2.3 6.5 = 0.6 7.0 = 0.3 7.5 = 0.3 8.0 = 0.3 8.5 = 0.0 9.0 = 1.5 9.5 = 1.6 10.0 = 10.6 10.5 = 1.5 11.0 = 1.1 11.5 = 1.0 12.0 = 0.5 12.5 = 0.0 13.0 = 3.4 13.5 = 2.6 14.0 = 2.5 14.5 = 4.0 15.0 = 11.0 15.5 = 17.6 16.0 = 8.0
	Silty SAND (SM) - brown; no odor; dry; faint structure (gneiss bands); dark weathered mineral seams			
5	Silty SAND (SM) - fine to medium with trace coarse; reddish brown; no odor; dry; gneiss structure/banding (quartz and dark minerals)			
	Silty SAND (SM) - fine to medium; orangish brown; slight moisture; gneissic appearance weathered garnet "spots" intermittent iron-stained seams quartz zone at 11.1 feet (heavily iron stained) increased iron staining at 14.3 feet 14.9 to 16 feet highly micaceous gneissic layering			
10				
15				
	Boring terminated at 16 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-18
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	No Recovery		
	Asphalt and asphalt base (silty sand)		
	Sandy SILT (MLS) - brown to brownish red, organic material present, 1" quartz gravels present quartz veins at 2.8 and 3.3 feet Sandy SILT (MLS) - brown, no odor, moist, high mica content, slight foliation with iron staining foliation dip is 45 degrees at 4.0 feet silty sand zones throughout zones with moderately cemented mica		
5			
	SILT (ML) - reddish orange with some sand seam with coarse black fragments (1/8 inch) at 8.7 feet		
10	Silty SAND (SM) - brown, no odor, high mica content, foliation present		
	Well graded gravelly SAND (SW) - quartz seam with 4 large 1 inch diameter quartz gravels surrounded by medium to very coarse quartz		
	Silty SAND (SM) - brown, gneissic appearance (laminar banding), seams of black weathered minerals, coarse biotite grains		
15	Sandy SILT (MLS) - brown, no odor		
	Silty very fine to coarse SAND (SM) - dark brown, no odor, strong foliation		
	Sandy SILT (MLS) - high mica content iron-stained quartz seam at 16.7 feet		
	Silty fine to coarse SAND (SM) - brown, faint gneissic appearance, moderate mica content		
20	Sandy SILT (MLS) - dark brown, no odor, high mica content, steeply dipping foliation		
	Gravelly SAND with very low silt (SW) - gneissic appearance 2 inch gneiss gravels with garnet crystals and slight to moderate staining		
	Silty SAND (SM) - dark brown, no odor, moist, gneissic appearance, significant iron staining Refusal at 21.2 feet		
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

1.0 = 0.0
1.5 = 0.0
2.0 = 0.1
2.5 = 0.2
3.0 = 0.4
3.5 = 0.1
4.0 = 0.0
4.5 = 2.1
5.0 = 0.0
5.5 = 0.0
6.0 = 0.0
6.5 = 0.0
7.0 = 0.0
7.5 = 0.6
8.0 = 0.0
8.5 = 0.0
9.0 = 4.9
9.5 = 0.3
10.0 = 0.0
10.5 = 5.8
11.0 = 11.6
11.5 = 3.8
12.0 = 0.8
12.5 = 5.8
13.0 = 5.2
13.5 = 5.7
14.0 = 7.1
14.5 = 2.5
15.0 = 4.0
15.5 = 0.1
16.0 = 0.0
16.5 = 0.0
17.0 = 0.0
17.5 = 0.0
18.0 = 1.3
18.5 = 0.8
19.0 = 9.8
19.5 = 1.4
20.0 = 0.2
20.5 = 0.0
21.0 = 4.5
21.2 = 2.0

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-19
Date Drilled: June 28, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Concrete			
	Sandy SILT (MLS) - brownish red with very fine to fine mica			0.35 = 0.0 1.0 = 0.0
	Sandy SILT (MLS) - with medium to coarse mica dark minerals present; trace coarse sand 1.5 inch quartz and mica rich zone at 1.5 feet			2.0 = 0.0
	Silty SAND (SM) - very fine to medium with trace coarse, light brown orange, low micaceous content; slight odor			3.0 = 0.0 4.0 = 0.0
5	Silty SAND (SM) - Very fine to fine with trace coarse; odor; intermittent quartz seams and slight relict structure			5.0 = 0.3 6.0 = 0.1
	Silty SAND (SM) - reddish brown; relict structures present			7.0 = 0.1
	Sandy SILT (MLS) - strong foliation (45 degrees to steeply dipping); high mica content; strong odor			7.5 = 0.0 8.0 = 0.0
10				9.5 = 0.1 10.0 = 0.1
	Silty SAND (SM) - light brown (very fine to medium); dry coarse quartz and rock fragments (up to 0.5 inches) at 12.75 feet kaolin mineralization at 13 feet			11.0 = 0.0 12.0 = 0.0 12.5 = 0.0 13.0 = 0.1 13.5 = 0.2
15	Sandy SILT (MLS) - medium brown, strong foliation (dip is 45 degrees to 80 degrees) with high mica content; some elongated dark weathered minerals			14.0 = 0.2 14.5 = 0.1 15.0 = 0.2 15.5 = 0.1 17.0 = 0.0 17.5 = 5.2 18.0 = 4.1 18.5 = 1.1
20	Sandy SILT (MLS) - medium brown, strong foliation (dip is at 45 to 80 degrees); high mica content; some elongated dark weathered minerals; red silt mottled in matrix Sandy SILT (MLS) - medium brown, strong foliation (dip is at 50 degrees); high mica (gold) content; some elongated dark weathered minerals			19.5 = 1.1 20.5 = 9.7 21.0 = 5.2 21.5 = 1.1 22.0 = 10.4 22.5 = 15.4 23.0 = 19.5
25	Sandy SILT (MLS) - increased moisture, gray mica; strong foliation steeply dipping			24.0 = 0.0 25.0 = 11.1 25.5 = 5.1 26.0 = 10.1 26.5 = 3.1 27.0 = 13.1
	Silty SAND (SM) - very fine to fine; light brown with dark mineral seams; low mica content			27.5 = 9.5 28.5 = 7.1
	Sandy SILT (MLS) - medium brown with high mica content; increased moisture at 28 feet			29.0 = 1.1
30	Silty SAND (SM) - very fine to fine with relict foliation and moderate mica content (fine grained); strong odor; moist			29.5 = 3.4 30.5 = 1.1
35	Refusal at 34 feet			
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS: Temporary well PZ-2 installed

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BORING RECORD

Boring: BH-20 (PZ-2)
Date Drilled: June 22, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	Concrete		
	No Recovery		
	Sandy SILT (MLS) - brown; high mica (biotite)		
	Silty SAND (SM) - brown; dark weathered minerals and kaolin present		
	Sandy SILT (MLS) - brown; slight odor; dry; cemented foliated mica		
5	Silty SAND (SM) - very fine to medium with trace coarse; brown; odor (becoming strong at 9 feet); dry; low to moderate mica, steeply dipping foliation coarse quartz (up to 1/2 inch diameter) and kaolin zone at 8.3 feet; some quartz is iron stained		
10			
15	Quartz SAND (SP) - white to light orange; quartz seam with some brown/block staining		
	Silty SAND (SM) - brown; dry; strong odor		
	Sandy SILT (MLS) - brown; slight moisture; moderately lithified mica zone		
	Silty SAND (SM) - very fine to medium; brown to orangish-brown; strong odor; moist; faint structure (gneissic banding); low mica; dark weathered mineral spots; increased moisture at 19.7 feet		
20	Boring terminated at 20 feet		
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

1.0 = 0.0
1.5 = 0.4
2.0 = 0.7
2.5 = 1.1
3.0 = 1.6
3.5 = 2.3
4.0 = 0.5
4.5 = 2.7
5.0 = 3.9
5.5 = 3.6
6.0 = 1.6
6.5 = 3.8
7.0 = 3.9
7.5 = 1.6
8.0 = 1.2
8.5 = 18.3
9.0 = 6.7
9.5 = 25.0
10.0 = 11.3
10.5 = 12.0
11.0 = 13.0
11.5 = 15.4
12.0 = 27.0
12.5 = 3.0
13.0 = 12.0
13.5 = 31.8
14.0 = 27.0
14.5 = 22.3
15.0 = 60.0
15.5 = 201.0
16.0 = 76.8
16.5 = 25.4
17.0 = 280.0
17.5 = 421.0
18.0 = 294.0
18.5 = 400.0
19.0 = 486.0
19.5 = 387.0
20.0 = 353.0

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD. Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-21
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	Concrete		
	No Recovery		
	Sandy SILT (MLS) - brown, dry, high mica content clean quartz seam from 1.8 to 1.9 feet		
	Silty very fine to medium SAND (SM) - brownish red, no odor, dry, quartz and kaolin zone at 2.4 feet, brown mottling and black weathered mineral spots		
5			
	Sandy SILT (MLS) - brown, no odor, slightly moist, horizontal foliation quartz sand zone at 7.8 feet		
	Silty SAND (SM) - reddish brown, slight odor, dry, faint relict struture quartz and gneiss gravels up to 1 inch diameter at 8.6 feet		
10			
	Sandy SILT (MLS) - brown, slight moisture, kaolin present		
	Silty very fine to fine SAND (SM) - brown, strong odor, moist, slight foliation with iron staining between foliation planes		
15	Sandy SILT (MLS) - reddish brown to brown, moderate odor		
	No Recovery		
	Sandy SILT (MLS) - brown, strong odor, moist, some relict structures present		
20	Boring terminated at 20 feet		
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

0.0 = NR
0.5 = NR
1.0 = NR
1.5 = 1.6
2.0 = 2.3
2.5 = 1.3
3.0 = 1.0
3.5 = 0.3
4.0 = 0.0
4.5 = 0.0
5.0 = 0.6
5.5 = 0.7
6.0 = 2.0
6.5 = 0.0
7.0 = 0.0
7.5 = 0.0
8.0 = 0.0
8.5 = 6.1
9.0 = 7.9
9.5 = 3.3
10.0 = 7.4
10.5 = 6.9
11.0 = 8.1
11.5 = 32.9
12.0 = 13.0
12.5 = 80.0
13.0 = 118.0
13.5 = 94.5
14.0 = 60.0
14.5 = 60.0
15.0 = 21.7
15.5 = 17.0
16.0 = 14.5
18.0 = 368.0
18.5 = 350.0
19.0 = 368.0
19.5 = 352.0

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-22
Date Drilled: June 28, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Asphalt with fine coarse sand and some silt			
	Sandy SILT (MLS) - reddish brown; no odor; slight moisture; low mica			
	SAND (SM) - very fine to medium with trace coarse; orangish brown to reddish orange; slight odor; low mica coarse to gravel quartz (up to 1/2 inch diameter) and large mica flakes at 2.5 feet Silty SAND (SM) - reddish orange to brown; no odor; slight moisture, relict structures (folded gneissic fabric, dark weathered mineral spots) coarse zone (up to 1/4 inch diameter) at 8.8 to 8.9 and 12.9 to 13.0 feet kaolin present at 11.3 feet			
15	Silty fine to medium SAND (SM), reddish brown, strong odor, gneissic fabric, highly iron stained			
	Refusal at 18.8 feet w/GeoProbe			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-23
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Sandy SILT (MLS) - dark brown, gravels present (from old road bed), organic rich SILT (ML) with some sand, no odor, moist, low mica content			0.5 = 0.0 1.0 = 0.1 1.5 = 0.1 2.0 = 0.1 2.5 = 0.0 3.0 = 0.1 3.5 = 0.1 4.0 = 0.1 4.5 = 0.0 5.0 = 0.0 5.5 = 0.0 6.0 = 0.0 6.5 = 0.0 7.0 = 0.0 7.5 = 0.0 8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0 11.5 = 0.0 12.0 = 0.0
	Silty coarse SAND (SW) - quartz seam with mica zones			
5	Sandy SILT (MLS) - orangish brown, no odor, slight moisture, faint gneissic structure, moderate mica content zones of coarse quartz micaceous zones			
10	Silty SAND (SM) - orangish brown, no odor, slight moisture, black weathered mineral stains, low mica content seams with coarse quartz up to 3/4 inch diameter that have pink staining			
	No Recovery			
15	Refusal at 15.9 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-24
Date Drilled: June 28, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery Silty SAND (SM) - very fine to medium with trace coarse; orangish-brown; no odor; dry; faint gneissic fabric; dark weathered mineral spots zones of coarse quartz kaolin seams at 8.9 feet - 3-1/2 inch diameter iron stained fractures at 12 to 15.5 feet			1.0 = 10.0 1.5 = 5.0 2.0 = 4.0 2.5 = 2.0 3.0 = 5.0 3.5 = 1.2 4.0 = 4.0 4.5 = 1.4 5.0 = 0.4 5.5 = 0.4 6.0 = 0.2 6.5 = 0.1 7.0 = 1.3 7.5 = 0.3 8.0 = 0.0 8.5 = 3.6 9.0 = 4.2 9.5 = 4.0 10.0 = 2.4 10.5 = 3.2 11.0 = 4.8 11.5 = 3.1 12.0 = 0.5 12.5 = 24.0 13.0 = 3.4 13.5 = 3.5 14.0 = 2.2 14.5 = 1.5 15.0 = 0.5 15.5 = 4.9 16.0 = 7.0 16.5 = 6.0 17.0 = 13.6 17.5 = 10.5 18.0 = 17.0 18.4 = 16.7
5				
10				
15	Silty SAND (SM) - very fine to medium; dark orangish brown; odor (strong at 18.3 feet); dry; gneissic fabric			
	Refusal at 18.4 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-25
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Sandy SILT (MLS) - reddish brown, dry			
	Silty very fine to medium SAND (SM) - reddish brown, no odor, dry, faint horizontal structure, black weathered mineral spots, moderate mica content			0.5 = 0.0 1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0 3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0 5.5 = 0.0 6.0 = 0.0 6.5 = 0.0 7.0 = 0.0 7.5 = 0.0 8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0 11.5 = 0.0 12.0 = 0.0 12.5 = 0.0 13.0 = 0.0 13.5 = 0.0 14.0 = 0.0 14.5 = 0.0 15.0 = 0.0 15.5 = 0.0 16.0 = 0.0 16.5 = 0.0 17.0 = 0.0 17.5 = 0.0 18.0 = 0.0 18.5 = 0.0
5	Sandy SILT (MLS) - reddish orange, no odor, dry, gneissic appearance, stained and unstained mica layers, folding at 4.5 feet			
	Silty very fine to medium SAND (SM) - reddish orange, no odor, dry, gneissic gravels (up to 1/4 inch diameter) at 8.5 feet abundant quartz seams at 5.9, 8.7, 9.0 and 10.0 feet			
10				
	Gravelly SAND (SW) - moderate to high iron staining			
15	Sandy SILT (MLS) - brown to orangish brown, slight moisture, relict structures, kaolin seams			
	Refusal at 18.5 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: BH-26
Date Drilled: June 28, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Asphalt and asphalt base (fine to coarse sand with silt)			0.0 = 0.0 0.5 = 0.0 1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0 3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0 5.5 = 0.0 6.0 = 0.0 6.5 = 0.0 7.0 = 0.0 7.5 = 0.0 8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0 11.5 = 0.0 12.0 = 0.0 12.5 = 0.0 13.0 = 0.0 13.5 = 0.0 14.0 = 0.0 14.5 = 0.0 15.0 = 0.0 15.5 = 0.0 16.0 = 0.0 16.5 = 0.0 17.0 = 0.0 17.5 = 0.0 18.0 = 0.0 18.5 = 0.0 19.0 = 0.0
	Sandy SILT (MLS) - orangish brown; no odor; moist; relict structures (foliation, dark weathered mineral seams); moderate to high mica			
	Silty SAND (SM) - very fine to fine; orangish-brown to reddish brown; dark weathered mineral seams and spots; moderate mica; zones of coarse quartz			
5	Silty SAND (SM) - very fine to fine; abundant dark mineral spots (approximately 50 percent); stained and unstained quartz massive; white weathered mineral (feldspar)			
10	Silty SAND (SM) - fine to medium with some coarse; red to reddish-brown; no odor; moist; faint relict structure; high mica			
	Sandy SILT (MLS) - brown; no odor; relict structures (dark weathered mineral seams and spots, kaolin); moderate to high mica			
	Silty SAND (SM) - very fine to medium with trace coarse; reddish to orangish brown; no odor; moist; gnessic fabric with dark weathered mineral seams and spots coarse unstained quartz (up to 1/2 inch diameter) zone at 13.4 feet kaolin seam with quartz and red seams at 13.6 to 14.2 feet			
15	Silty SAND (SM) - fine to medium; faint odor; moist; highly stained; kaolin seams; abundant mica			
20	Refusal at 19.2 feet			
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-27
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Asphalt and asphalt base (fine to coarse sand with silt)			
	Sandy SILT (MLS) - dark reddish-brown; folded micaceous layers; dark weathered mineral layers and spots; highly stained; organic matter (roots) present			0.5 = 0.0 1.0 = 0.0 1.5 = 0.1 2.0 = 0.1 2.5 = 0.1 3.0 = 0.4 3.5 = 0.2
5	Silty SAND (SM)- fine to medium with trace coarse; reddish-orange; no odor; moist; gneissic fabric with dark weathered mineral seams and micaceous zones; highly stained			4.0 = 0.2 4.5 = 0.1 5.0 = 0.4 5.5 = 0.1 6.0 = 0.1 6.5 = 0.1 7.0 = 0.3 7.5 = 0.1
10				8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0 11.5 = 0.0
15	Silty SAND (SM) - reddish-brown; strong odor; moist; massive formation with brown weathered mineral spots Boring terminated at 16 feet			12.0 = 0.0 12.5 = 0.0 13.0 = 0.1 13.5 = 1.1 14.0 = 0.7 14.5 = 2.5 15.0 = 3.6 15.5 = 8.0 16.0 = 14.8
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-28
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Sandy SILT (MLS) - Topsoil and old gravel road bed dark brown organic rich SILT (ML) - dry-hard; trace to low fine sand; reddish orange with brown mottling trace gravel fragment up to 0.5 inches 2 inch coarse zone at 3.3 feet organic rich zone at 4.2 feet			0.0 = 0.0 0.5 = 0.0 1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0
5	Sandy SILT (MLS) - reddish orange with trace coarse; relict structure and kaolin layers present quartz rich zone at 5.5 feet Sandy SILT (MLS) - reddish brown to reddish orange with trace coarse; relict structure present intermittent zones of high mica content			3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0 5.5 = 0.0 6.0 = 0.0 6.5 = 0.0 7.0 = 0.0
10	Sandy SILT (MLS) - orangish brown to dark brown; high mica content; trace coarse; relict structures intermittent zones of coarse sand zones of mica with horizontal foliation black mineralization "spotting" and layering root present at 15 feet			7.5 = 0.0 8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0
15	foliation 30 to 60 degrees at 15.5 to 16 feet steeply dipping foliation at 19 to 20 feet increased moisture at 22 feet strong structure with red/black layering and kaolin; horizontal foliation at 23.5 to 24 feet			11.5 = 0.0 12.0 = 0.0 12.5 = 0.0 13.0 = 0.0 13.5 = 0.0 14.0 = 0.0 14.5 = 0.0 15.0 = 0.0
20				15.5 = 0.0 16.0 = 0.0 16.5 = 0.0 17.0 = 0.0 17.5 = 0.0 18.0 = 10.0 18.5 = 0.0
25	Sandy SILT (MLS) - dark brown to reddish brown; relict structures with some kaolin; slight to strong odor medium to coarse sand zone at 26 feet relict folding with quartz at 28 feet dark mineral weathering (garnet spots) strong odor zones of booked mica with subhorizontal foliation increased mositure to wet - sheen on water at 37 feet			19.0 = 0.0 19.5 = 0.0 20.0 = 0.0 20.5 = 0.0 21.0 = 0.0 21.5 = 0.0 22.0 = 0.0 22.5 = 0.0 23.0 = 0.0
30				23.5 = 0.0 24.0 = 0.0 25.0 = 2.2 26.0 = 4.3 27.0 = 9.5 28.5 = 2.0 29.0 = 7.6 30.0 = 0.0
35	Boring terminated at 37 feet			32.0 = 0.0 32.5 = 2.0 33.0 = 2.2 33.5 = 11.4 34.0 = 0.8 34.5 = 11.0 35.0 = 0.0
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS: Temporary well PZ-3 installed

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BORING RECORD

Boring: BH-29 (PZ-3)
Date Drilled: June 23, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	Asphalt and asphalt base (silty sand, brown)		
	SILT (ML) - with trace coarse; orangish red; hard; very low mica; organic matter		
	Silty SAND (SM) - with trace coarse; orangish brown; no odor; moist; low to moderate mica root and silt zone at 8.5 feet		
5			
	Silty SAND (SM) - light orange-brown; no odor, slightly moisture; faint structure; pink and black weathered minerals		
10			
15			
	Silty SAND (SM) - with silt rich zones; reddish brown to brownish-orange; slight moisture; moderate cemented mica zones		
20	Boring terminated at 20 feet		
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

0.0 = 0
0.5 = 0
1.0 = 0
1.5 = 0
2.0 = 0
2.5 = 0
3.0 = 0
3.5 = 0
4.0 = 0
4.5 = 0
5.0 = 0
5.5 = 0
6.0 = 0
6.5 = 0
7.0 = 0
7.5 = 0
8.0 = 0
8.5 = 0
9.0 = 0
9.5 = 0
10.0 = 0
10.5 = 0
11.0 = 0
11.5 = 0
12.0 = 0
12.5 = 0
13.0 = 0
13.5 = 0
14.0 = 0
14.5 = 0
15.0 = 0
15.5 = 0
16.0 = 0
16.5 = 0
17.0 = 0
17.5 = 0.4
18.0 = 0.1
18.5 = 0.1
19.0 = 0.1
19.5 = 0.2
20.0 = 0.3

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-30
Date Drilled: June 28, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)
0	Asphalt and asphalt base (fine to coarse sand with silt)		
	Clayey SILT (ML) - low moisture; hard; organic material (roots); low mica micaceous zone at 3.6 feet 1 inch zone of coarse black material (1/8 to 1/4 inch diameter)		
5	Silty SAND (SM) - very fine to medium; red to reddish-brown; faint structure, black weathered mineral seams and spots cemented mica zone at 6 feet		
	Sandy SILT (MLS) - red; no odor; moist; trace black coarse fragments		
10	Silty SAND (SM) - very fine to fine; reddish brown zone of coarse quartz and kaolin at 9.3 feet micaceous zone at 10.2 feet		
	Sandy SILT (MLS) - reddish brown; no odor; moist; highly foliated; dark weathered mineral seams black coarse fragments and biotite at 12.4 feet		
	Silty SAND (SM) - very fine to fine; orangish brown to red; faint banding; black weathered mineral staining		
	Sandy SILT (MLS) - red; highly foliated; high mica		
15	Silty SAND (SM) - very fine to fine; orangish brown; faint folded structure zone of fine to coarse sand with black minerals; quartz and kaolin at 17.8 to 18.3 feet increased moisture at 19.5 feet		
20	Boring terminated at 20 feet		
25			
30			
35			
40			
45			

PID Readings (ppm) (depth in feet)

1.0 = 3.9
1.5 = 0.0
2.0 = 0.0
2.5 = 0.0
3.0 = 0.0
3.5 = 0.0
4.0 = 0.0
4.5 = 0.0
5.0 = 0.0
5.5 = 0.1
6.0 = 0.01
6.5 = 0.1
7.0 = 0.0
7.5 = 0.0
8.0 = 0.0
8.5 = 0.0
9.0 = 0.0
9.5 = 0.0
10.0 = 0.0
10.5 = 0.0
11.0 = 0.0
11.5 = 0.0
12.0 = 0.0
12.5 = 0.0
13.0 = 0.0
13.5 = 0.0
14.0 = 0.0
14.5 = 0.0
15.0 = 0.0
15.5 = 0.0
16.0 = 0.0
16.5 = 0.0
17.0 = 0.0
17.5 = 0.0
18.0 = 0.0
18.5 = 0.0
19.0 = 0.0
19.5 = 0.0
20.0 = 0.0

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-31
Date Drilled: June 25, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			
	Silty SAND (SM) - reddish brown; odor			1.2 = 5.3 1.5 = 7.1 2.0 = 4.1 2.5 = 0.4 3.0 = 0.4 3.5 = 0.4 4.0 = 0.0 4.5 = 6.5 5.0 = 0.5 5.5 = 0.5 6.0 = 0.1 6.5 = 11.0 7.0 = 23.0
	SAND (SW-SM) - very fine to medium with low silt; reddish orange to orangish brown; strong odor; gnessic fabric abundant iron stained quartz zones (1.6 to 1 8 and 2.1 to 2.4 feet) some quartz gravels up to 1 inch diameter			
5	SAND (SW-SM) - fine to coarse with low silt; orangish brown; strong odor; gneissic fabric with iron staining 2 inch thick quartz vein at 6.7 feet			
	Refusal at 7 feet			
10				
15				
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-32
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery SAND (SW-SM) - very fine to medium with low silt; orangish-brown to gray; no odor; relict structure; zones of coarse quartz			0.5 = 1.3 1.0 = 2.0 1.5 = 2.3 2.0 = 2.7 2.5 = 3.0 3.0 = 3.2 3.5 = 3.4 4.0 = 4.5 4.5 = 4.6 5.0 = 4.8 5.5 = 4.9 6.0 = 4.9 6.5 = 5.0 7.0 = 5.2 7.5 = 5.1 8.0 = 5.1
5	SAND (SW-SM) - fine to coarse with low silt; no odor; abundant dark weathered mineral bands Refusal at 8 feet			
10				
15				
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-33
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			
	SAND (SW-SM) - very fine to medium with very low silt; grayish brown; gneissic fabric			
	SAND (SW-SM) - very fine to medium with low silt; orangish gray; moderate odor; gneissic fabric (alternating bands of quartz and dark minerals)			0.5 = 0.0 1.0 = 0.1 1.5 = 1.1 2.0 = 4.2 2.5 = 10.0 3.0 = 4.2 3.5 = 4.2 4.0 = 1.6 4.5 = 1.4 5.0 = 1.0 5.5 = 14.0 6.0 = 5.0 6.5 = 2.8 7.0 = 6.8 7.5 = 2.9 8.0 = 2.0 8.5 = 11.1 9.0 = 9.4 9.5 = 3.7 10.0 = 20.1 10.5 = 17.5 11.0 = 76.5 11.5 = 519 12.0 = 475 12.5 = 824 13.0 = 1247 13.5 = 1521
5				
10				
	SAND (SW-SM) - very fine to medium with low silt; orangish gray; strong odor; gneissic fabric (alternating bands of quartz and dark minerals)			
	Refusal at 13.5 feet			
15				
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

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BORING RECORD

Boring: BH-34
Date Drilled: June 24, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			0.0 = 0.0 0.5 = 0.0 1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0 3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0
5	Silty very fine to medium SAND (SM) - orangish brown, no odor, moist, horizontal relict structure, dark brown weathered mineral seams, quartz gravels up to 2.5 inch diameter at 5.0 feet No Recovery			
10	Silty fine to coarse SAND (SM) - orange brown, no odor, moist, horizontal structure moderately cemented gneissic and gravels, iron staining present kaolin and black weathered mineral seams quartz at 9.2 and 10.0 feet has black staining No Recovery			8.5 = 0.0 9.0 = 7.5 9.5 = 9.2 10.0 = 25.8
15	Silty fine to medium SAND (SM) - orange brown, strong odor, horizontal structure, iron staining, abundant quartz rich zones			12.5 = 96.5 13.0 = 170.0 13.5 = 198.0 14.0 = 229.0 14.5 = 281.0 15.0 = 356.0 16.0 = 371.0 16.5 = 456.0 17.0 = 517.0 17.5 = 457.0 18.0 = 403.0
	Fine to medium SAND (SW) with very low silt, gray, very strong odor, strong gneissic appearance, iron staining prevalent at 15.8 feet No Recovery			
20	Silty SAND (SM) - orange brown to grayish orange, very strong odor, moist, horizontal gneissic structure, alternating quartz/kaolin/mica layers Boring terminated at 18 feet			
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: CME-75
METHOD: 4-1/4" I.D. Hollow Stem Auger w/CME sampler
HOLE DIA.: 8-inch
REMARKS: SVE well OW-1

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BORING RECORD

Boring: OW-1
Date Drilled: June 30, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			
	Asphalt base (silty sand with gravels)			
	Silty fine to coarse SAND (SM) - with abundant gravels up to 2 inch diameter, no odor, moist, horizontal relict structures			3.5 = 40.3 4.0 = 98.9
5	coarse to very coarse quartz rich zones quartz seam with no iron staining and gravel up to 2-1/4 inch diameter at 4.7 feet sandy silt seam at 4.9 feet with black and orange seams			4.5 = 168.0 5.0 = 41.0
	No Recovery			
	Silty SAND (SM) - odor, quartz rich, quartz is highly stained			8.0 = 0.0 8.5 = 0.0
10	Silty SAND (SM) - orangish brown, no odor, moist, gneissic relict structure, highly stained			9.0 = 0.0 9.5 = 0.0
	Silty SAND (SM) - gray to grayish orange, no odor, moist, gneissic structure			10.0 = 0.0
	No Recovery			
	Silty SAND (SM) - orangish brown, no odor, slightly moist, faint horizontal structure, kaolin present, sandy silt zones			12.0 = 67.8 12.5 = 100.0 13.0 = 134.0
	Silty SAND (SM) - orangish brown, strong odor, moist, gneissic structure, highly stained			13.5 = 309.0 14.0 = 314.0
15	dark brown weathered mineral seams 2 inch kaolin seam at 14.3 feet with orange spots			14.5 = 280.0 15.0 = 499.0
	No Recovery			16.0 = 515.0
	Silty SAND (SM) - orangish brown, strong odor, horizontal gneissic structure, brown/black weathered mineral and kaolin seams, highly stained			16.5 = 467.0 17.0 = 465.0 17.5 = 400.0
	Boring terminated at 18 feet			18.0 = 371.0
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: CME-75
METHOD: 4-1/4" I.D. Hollow Stem Auger w/CME sampler
HOLE DIA.: 8-inch
REMARKS: SVE well OW-2

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: OW-2
Date Drilled: June 30, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			
	Sandy SILT (MLS) - dark brown, moist, high mica content			3.0 = 288.0
	Silty very fine to medium SAND (SM) - orangish brown, some coarse to very coarse quartz present			3.5 = 220.0 4.0 = 160.0
5	Silty SAND (SM) - orange brown, slight odor, moist, strong relict structure with kaolin and dark brown layers, high mica content			4.5 = 266.0 5.0 = 282.0 5.5 = 32 3
	Silty SAND (SM) - light brown, quartz and kaolin rich, large mica flakes (up to 1/4 inch diameter)			6.0 = 30.9 6.5 = 63.1
	Fine to very coarse quartz SAND (SW) with gravels up to 1/2 inch diameter, slight odor			7.0 = 94.4 8.0 = 72.9
10	Silty fine to coarse SAND (SM) - grayish orange, gneissic fabric			8.5 = 113.0 9.5 = 127.0
	No Recovery			10.0 = 37.6
	Silty medium to coarse SAND (SW) with gravels, light brown			
	Silty fine to medium SAND (SM) - dark brown, odor, slight moisture, high mica content			12.5 = 200.0
	Silty fine to medium SAND (SM) - gray to white, odor, moist, kaolin and quartz rich			13.0 = 266.0 13.5 = 432.0
	Silty SAND (SM) - dark brown, high mica			14.0 = 467.0
15	No Recovery			14.5 = 508.0
	Silty SAND (SM) - dark brown, odor, high mica content, cemented mica zones, black weathered mineral seams			15.0 = 548.0 15.5 = 290.0
	Silty SAND (SM) - dark brown, strong odor, slight gneissic fabric apparent, high mica content			16.0 = 411.0 16.5 = 431.0
	Silty fine to medium SAND (SM) - orange brown, strong odor			17.0 = 425.0
	No Recovery			17.5 = 445.0
20	Silty fine to medium SAND (SM) - orangish brown, strong odor			18.0 = 565.0
	Well graded SAND (SW) - when crushed, material is moderately cemented, strong odor, moist			
	Boring terminated at 18 feet			
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: CME-75
METHOD: 4-1/4" I.D. Hollow Stem Auger w/CME sampler
HOLE DIA.: 8-inch
REMARKS: SVE well OW-3

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: OW-3
Date Drilled: June 30, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			
	Silty SAND (SM) - orangish brown, no odor, moist, moderate mica content, relict gneissic fabric, black weathered mineral spots and seams			3.0 = 0.0 3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0
5	quartz rich at 5.0 feet			
	No Recovery			
	Silty SAND (SM) - orangish brown, no odor, moist, relict gneissic fabric (laminar banding) 2 inch kaolin seam at 8.4 feet with trace quartz; black weathered mineral spots and thin orange seams			8.5 = 0.0 9.0 = 0.0 9.5 = 0.0
10	Silty fine to medium SAND (SM) - orangish gray to orangish brown, slight odor, moist, gneissic fabric			10.0 = 6.0
	No Recovery			
	Fine to coarse SAND (SW) with low silt - gray, strong odor, moist, gneissic fabric, some iron staining with iron-stained seam from 13.4 to 13.6 feet			12.0 = 54.6 12.5 = 83.1 13.0 = 243.0 13.5 = 436.0 14.0 = 580.0
15	Fine to coarse SAND (SM) - when crushed, strong odor, moist, material is moderately to strongly cemented, material breaks along horizontal foliation planes			14.5 = 686.0 15.0 = 1012.0 15.5 = 729.0 16.0 = 850.0 16.5 = 546.0 17.0 = 663.0 17.5 = 763.0 18.0 = 1200.0
	Boring terminated at 18 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: CME-75
METHOD: 4-1/4" I.D. Hollow Stem Auger w/CME sampler
HOLE DIA.: 8-inch
REMARKS: SVE well OW-4

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: OW-4
Date Drilled: June 30, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	Sandy SILT (MLS) - dark brown with organics SILT (ML) - Orangish brown with trace coarse (up to 0 5 inches); roots present; moist - no odor; low mica content Silty SAND (SM) - Gray, very fine to fine with trace coarse; brown mottling throughout; quartz vein with slight iron staining @ 3.0 feet quartz vein with gneiss fragments at 5.0 feet			No PID readings taken for TW-1
5	Silty SAND (SM) - orange tan with gray mottling; very fine to fine with trace coarse (some iron-stained quartz fragments)			
	SAND (SW-SM) - gray, fine to medium, well sorted; very low silt content Silty SAND (SM) - orange tan, very fine to medium with trace coarse; low mica content			
10	SAND (SW-SM) - gray, very fine to medium, with very low silt content; trace coarse - moist - slight odor Silty SAND (SM) - gray with orange-brown mottles; very fine to medium; increased moisture - wet; chemical odor; trace gravels orange silt rich zone @ 9.0 feet quartz layer with some sand at 9.1 feet large quartz vein - iron stained at 9.3 to 9.5 feet			
15	Sandy SILT (MLS) - gray-brown to dark brown (50/50 sand silt); relict structures; strong odor; low to moderate mica content Silty SAND (SM) - subhorizontal foliation; kaolin layers; brown to gray slight odor wet at 14.5 feet increased silt at 15.25 feet Boring terminated at 16 feet			
20				
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: GeoProbe GH42
METHOD: Direct Push
HOLE DIA.: 2-inch
REMARKS:

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: TW-1
Date Drilled: June 22, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.

DEPTH (ft)	DESCRIPTION SEE KEY SYMBOL SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS BELOW.	LEGEND	ELEV (ft)	PID Readings (ppm) (depth in feet)
0	No Recovery			0.0 = 0.0 0.5 = 0.0 1.0 = 0.0 1.5 = 0.0 2.0 = 0.0 2.5 = 0.0 3.0 = 0.0 3.5 = 0.0 4.0 = 0.0 4.5 = 0.0 5.0 = 0.0 5.5 = 0.0 6.0 = 0.0 6.5 = 0.0 7.0 = 0.0 7.5 = 0.0 8.0 = 0.0 8.5 = 0.0 9.0 = 0.0 9.5 = 0.0 10.0 = 0.0 10.5 = 0.0 11.0 = 0.0 11.5 = 0.0 12.0 = 0.0 12.5 = 0.0 13.0 = 48.0 13.5 = 178.0 14.0 = 211.0 14.5 = 225.0 15.0 = 414.0 16.0 = 752.0 16.5 = 826.0 17.0 = 908.0 17.5 = 924.0 18.0 = 482.0
5	Silty SAND (SM) - orangish brown, no odor, low mica content quartz gravels up to 2 inches at 3.8 and 4.9 feet brown and black weathered mineral seams kaolin present horizontal foliation at 4.2 feet No Recovery			
10	Silty SAND (SM) - orangish brown, low mica content quartz gravels present iron staining present relict structure Gravelly coarse SAND (SW) - gravels up to 1 inch diameter, low degree of iron staining No Recovery			
15	Fine to very coarse quartz SAND (SW) with low silt and gravels up to 2 inches Silty SAND (SM) - orangish brown, strong odor, horizontal structure zones of heavy iron staining quartz zones quartz at 14.7 feet has black staining No Recovery			
20	Silty SAND (SM) - orangish brown, strong odor, horizontal structure Fine to medium SAND (SM) with low silt, strong odor, gneissic structure Fine to medium SAND (SM) - orangish brown, horizontal structure Boring terminated at 18 feet			
25				
30				
35				
40				
45				

MONITORING WELL 9450.GPJ 8/27/04

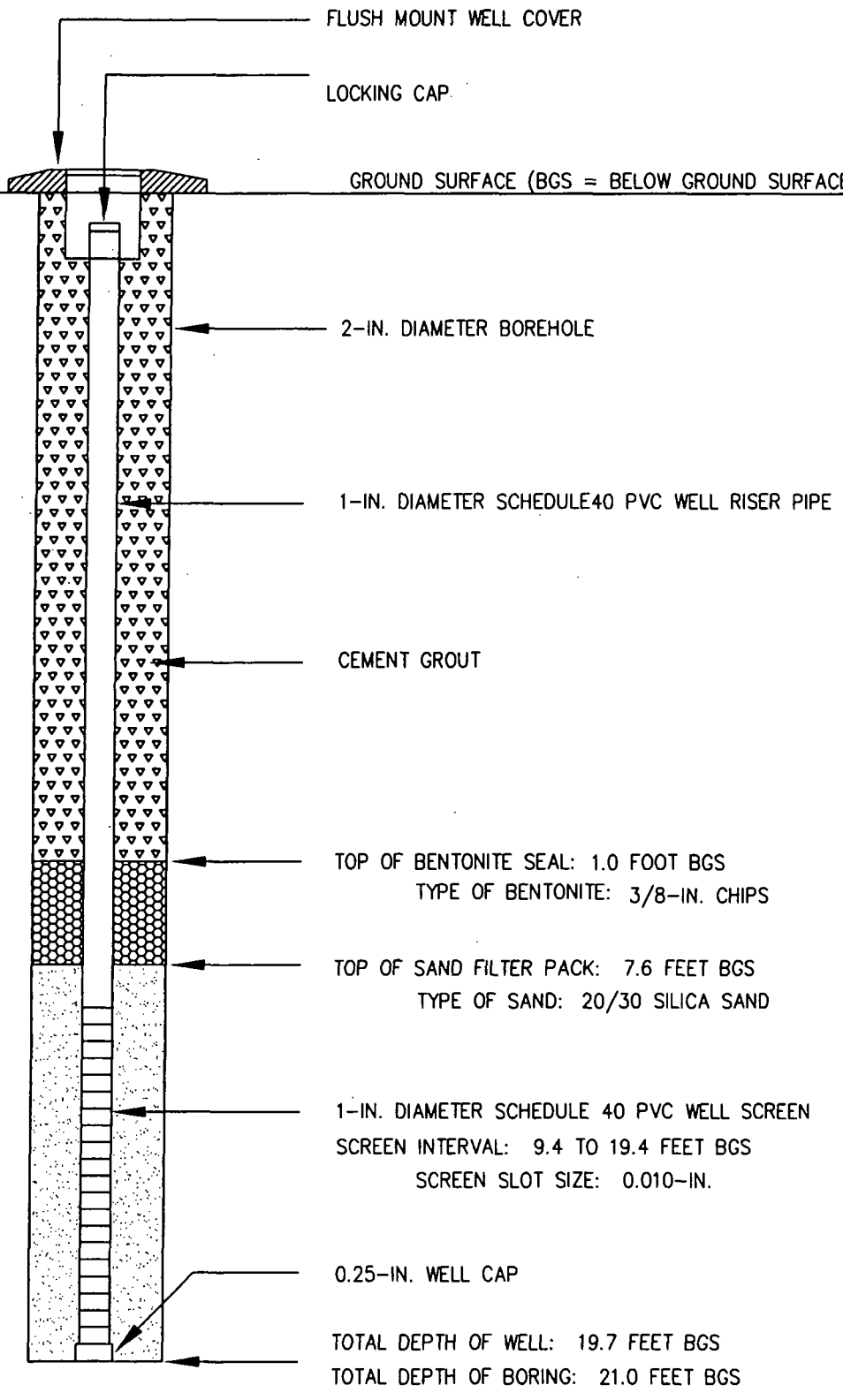
DRILLING COMPANY and DRILLER: MACTEC - Josh Bailey
EQUIPMENT: CME-75
METHOD: 4-1/4" I.D. Hollow Stem Auger w/CME sampler
HOLE DIA.: 8-inch
REMARKS: SVE well VE-1

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING RECORD

Boring: VE-1
Date Drilled: June 30, 2004
Project: Mills Gap Road Site
Project No.: 6690039450.08
Geologist: Susan E. Kelly, P.G.

MACTEC Engineering & Consulting, Inc.



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: GEOPROBE DPT - GH42
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE: 6/22/04
GROUND SURFACE ELEVATION: NA
TOP OF CASING ELEVATION: 2,417.05 FEET MSL
NORTHING: 652594.2436
EASTING: 956308.1951

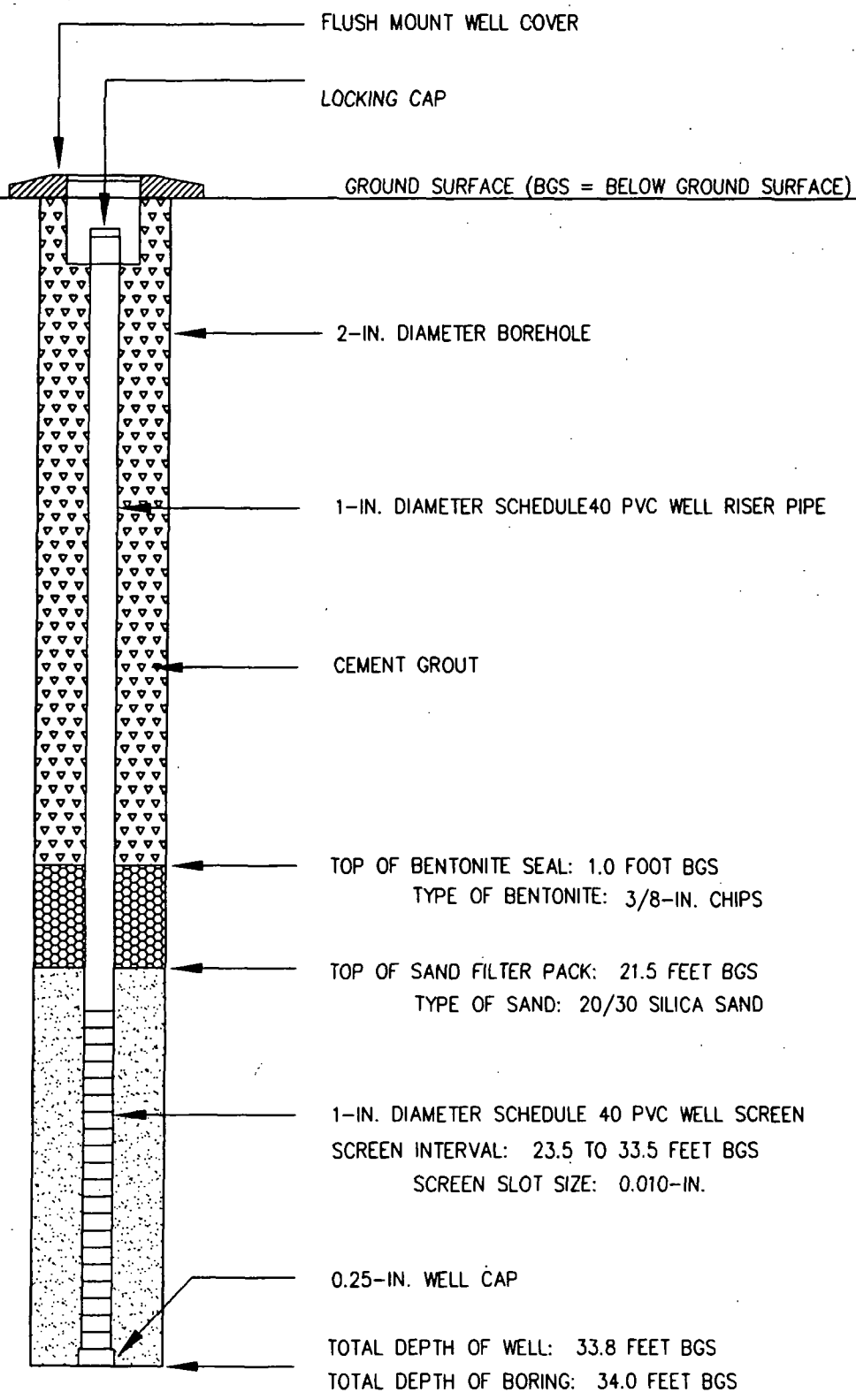
MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
Phone: (864) 288-5116
Fax: (864) 297-7938

PIEZOMETER PZ-1
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CAB	CHECKED BY: MCW	APPROVED BY:	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: GEOPROBE DPT - GH42
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/22/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2,417.03 FEET MSL
NORTHING:	652715.4344
EASTING:	956530.5140

MACTEC

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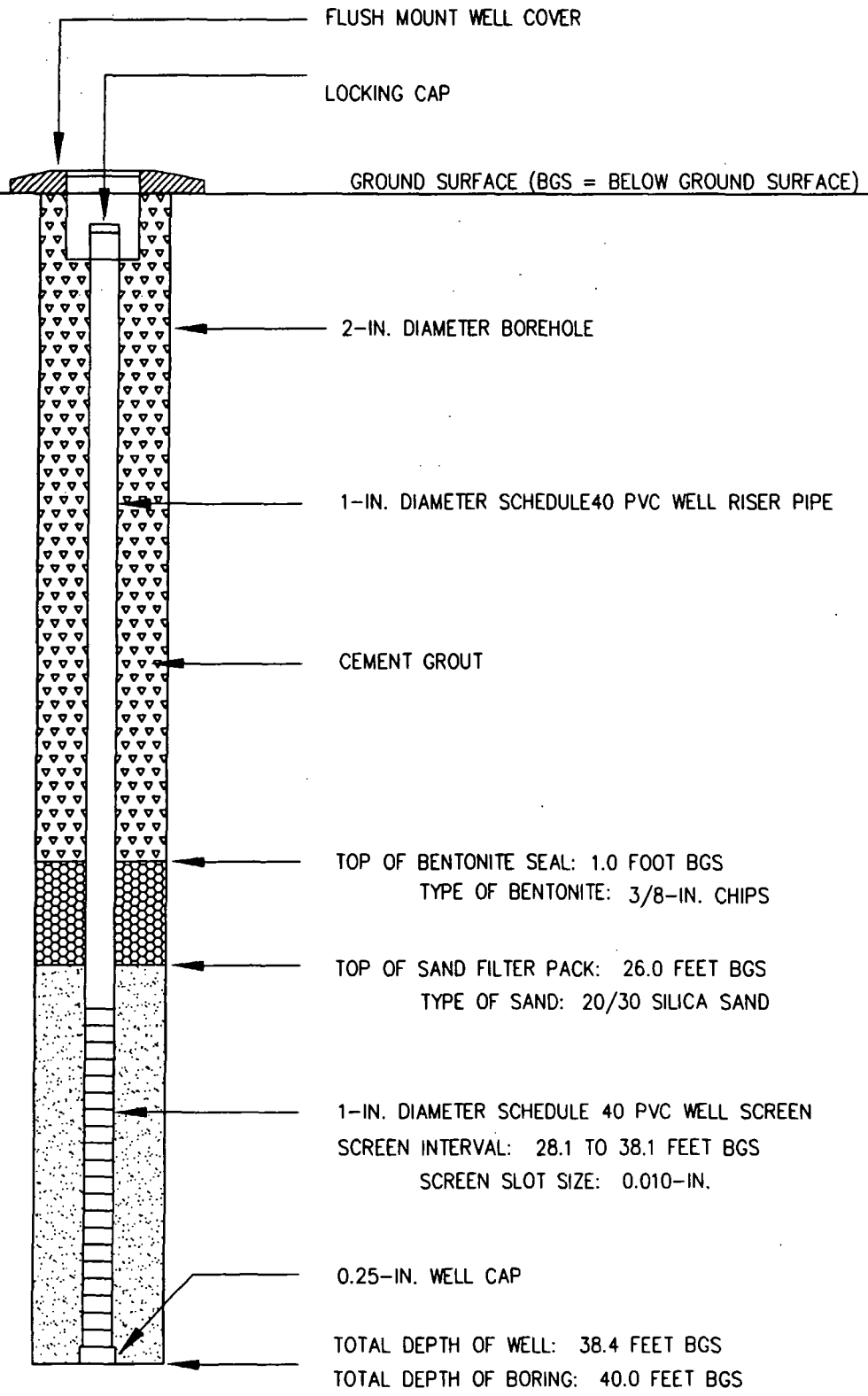
PIEZOMETER PZ-2
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY:	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: GEOPROBE DPT - GH42
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/23/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2,425.25 FEET MSL
NORTHING:	652538.5865
EASTING:	956567.1326

MACTEC

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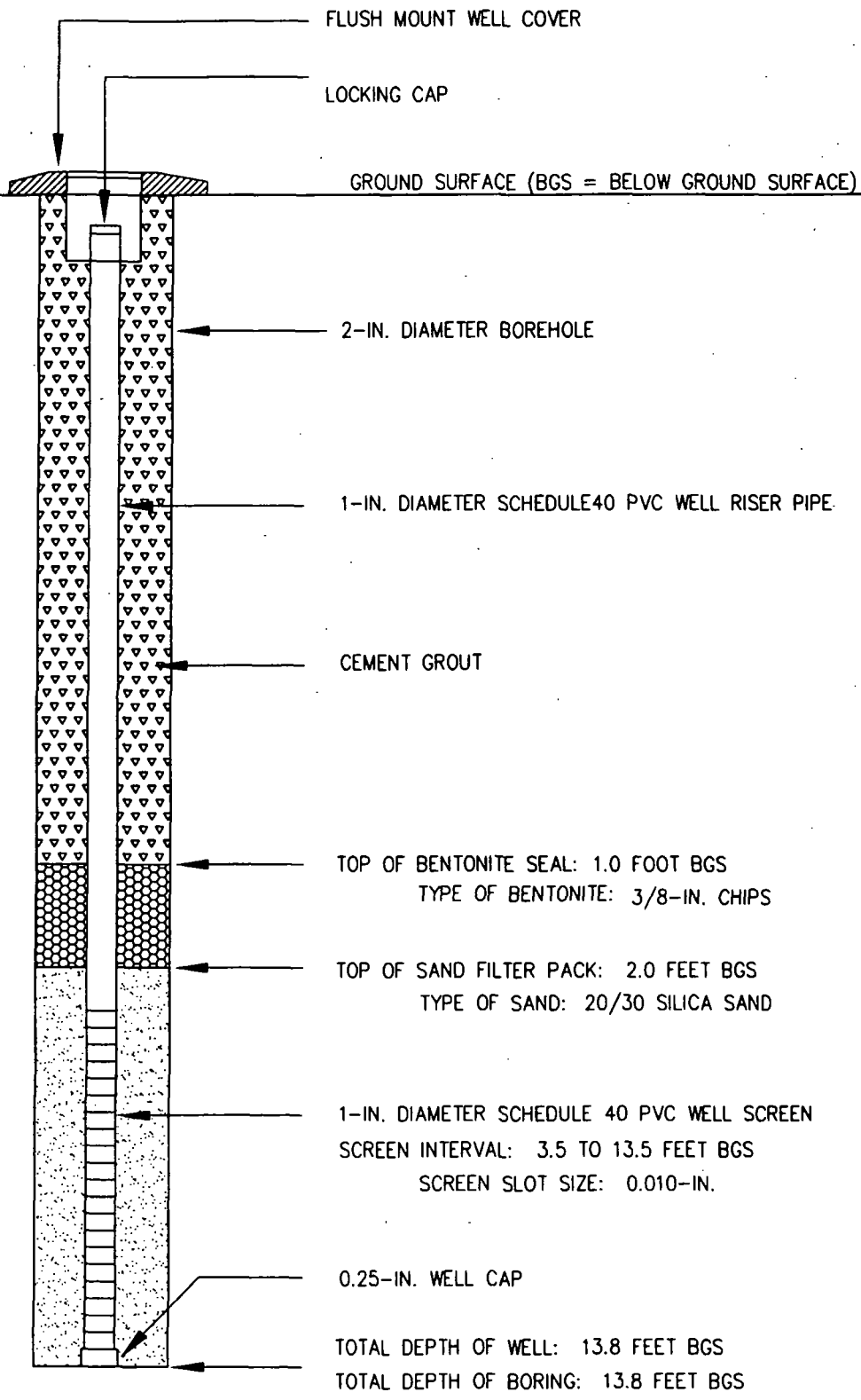
Fax: (864) 297-7938

PIEZOMETER PZ-3
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY:	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: GEOPROBE DPT - GH42
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/22/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2,371.96 FEET MSL
NORTHING:	652635.1002
EASTING:	956906.8492

MACTEC

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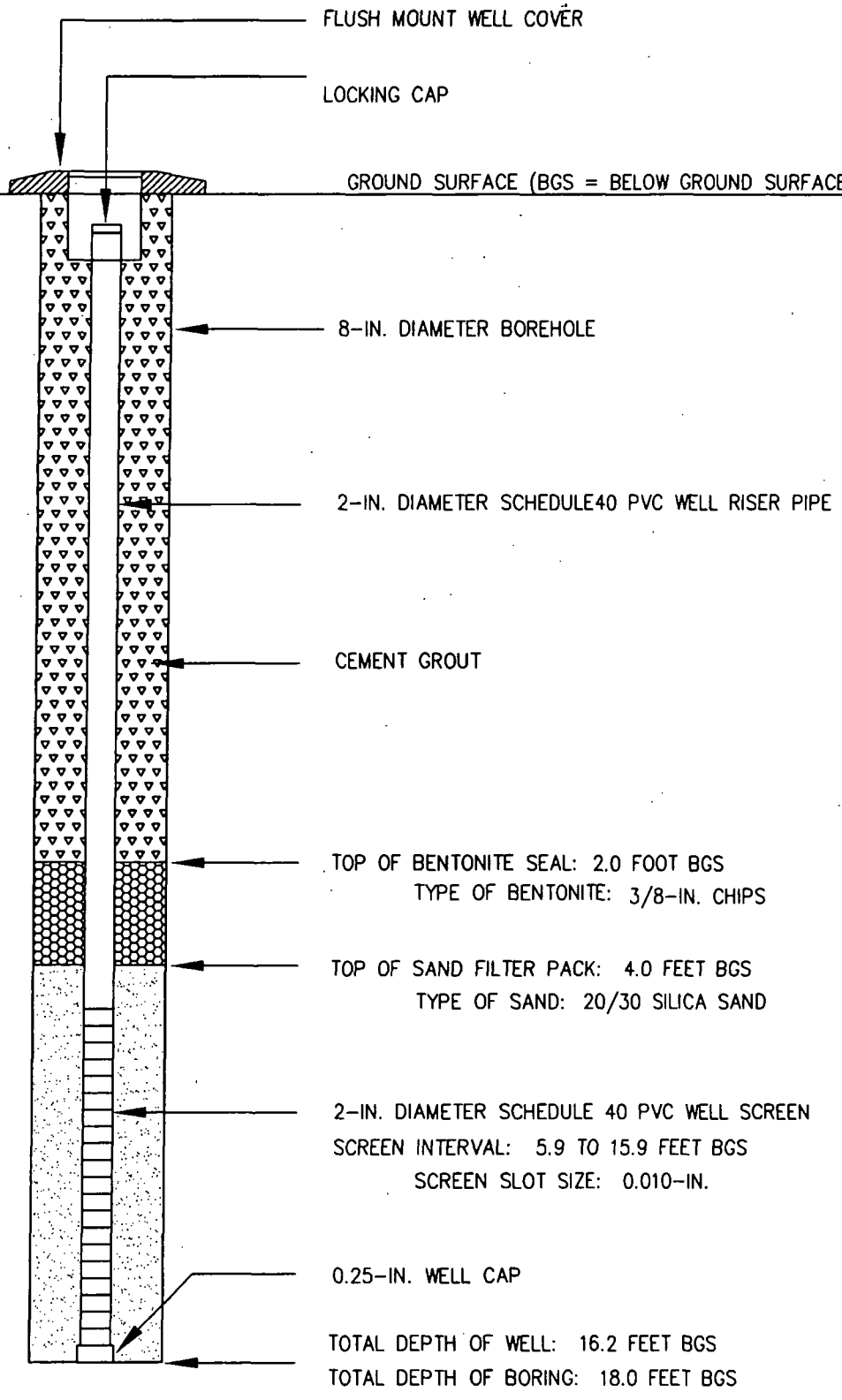
TEST WELL TW-1
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY:	CHECKED BY: CHB	APPROVED BY:	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: CME 75, 4.25 HSA; CME CONTINUOUS SAMPLER
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/30/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2417.18 FEET MSL
NORTHING:	652591.9797
EASTING:	956465.3006

MACTEC

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Phone: (864) 288-5116
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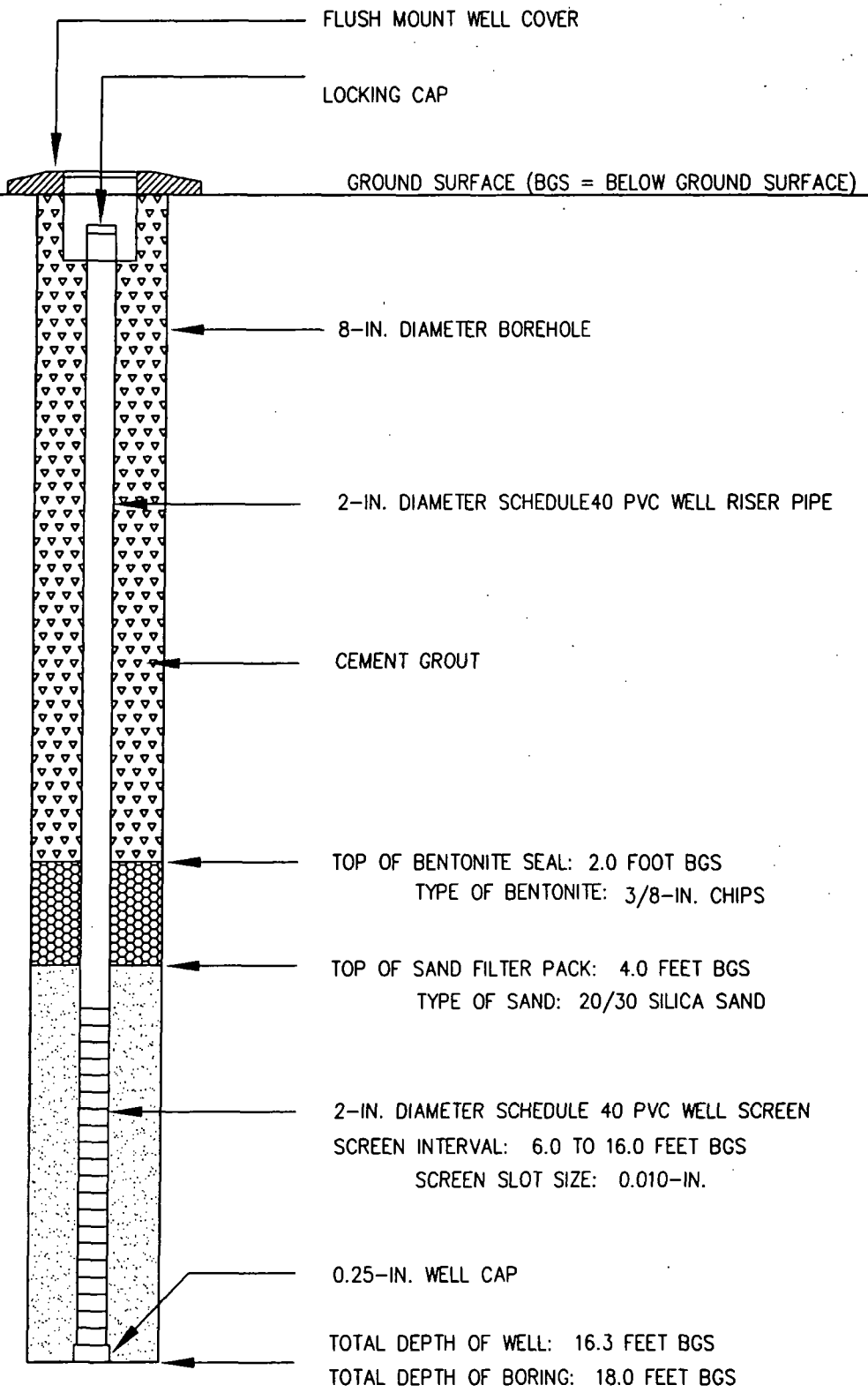
VAPOR EXTRACTION WELL VE-1
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY: ZM	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: CME 75, 4.25 HSA; CME CONTINUOUS SAMPLER
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/30/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2416.98 FEET MSL
NORTHING:	652591.7974
EASTING:	956460.0566

MACTEC

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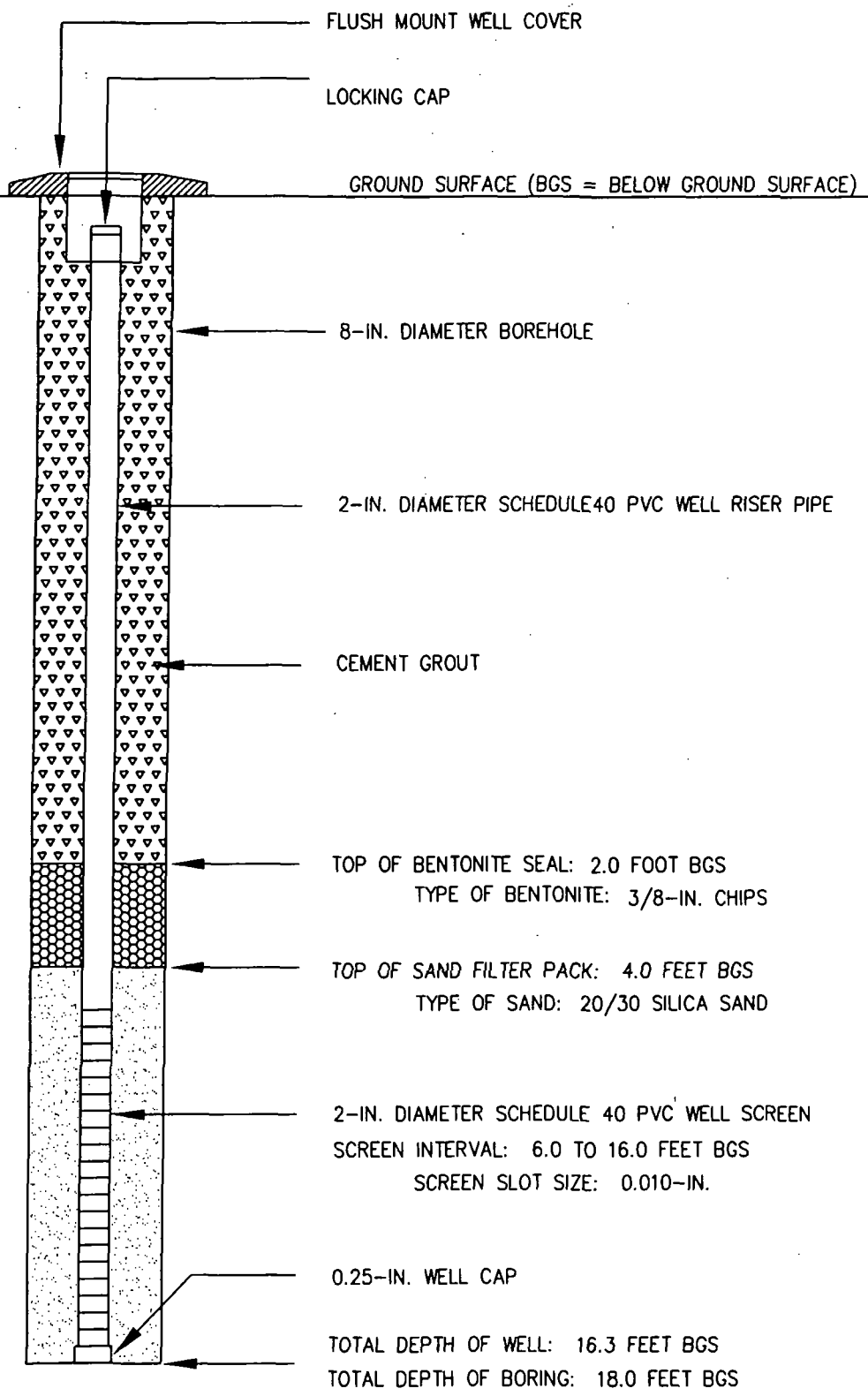
Fax: (864) 297-7938

OBSERVATION WELL OW-1
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY: 7/24	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: CME 75, 4.25 HSA; CME CONTINUOUS SAMPLER
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/30/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2416.98 FEET MSL
NORTHING:	652589.4225
EASTING:	956476.7638

MACTEC

1327 MILLER ROAD, SUITE A
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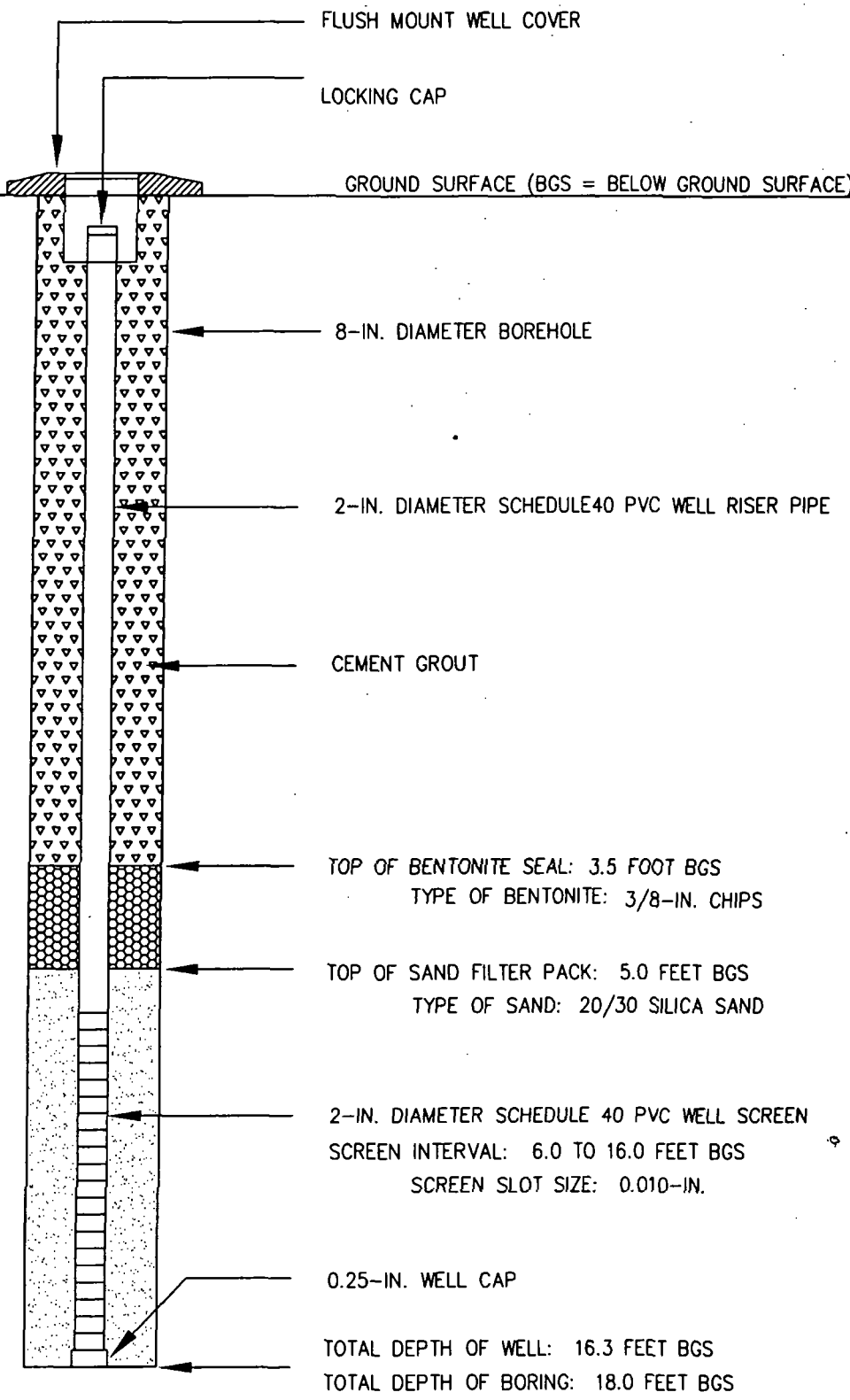
Fax: (864) 297-7938

OBSERVATION WELL OW-2
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY: RJM	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: CME 75, 4.25 HSA; CME CONTINUOUS SAMPLER
MACTEC FIELD PERSONNEL: SUSAN KELLY, L.G.	

NOT TO SCALE

INSTALLATION DATE:	6/30/04
GROUND SURFACE ELEVATION:	NA
TOP OF CASING ELEVATION:	2416.68 FEET MSL
NORTHING:	652578.8017
EASTING:	956477.6980

MACTEC

1327 MILLER ROAD, SUITE A
GREENVILLE, S.C. 29607
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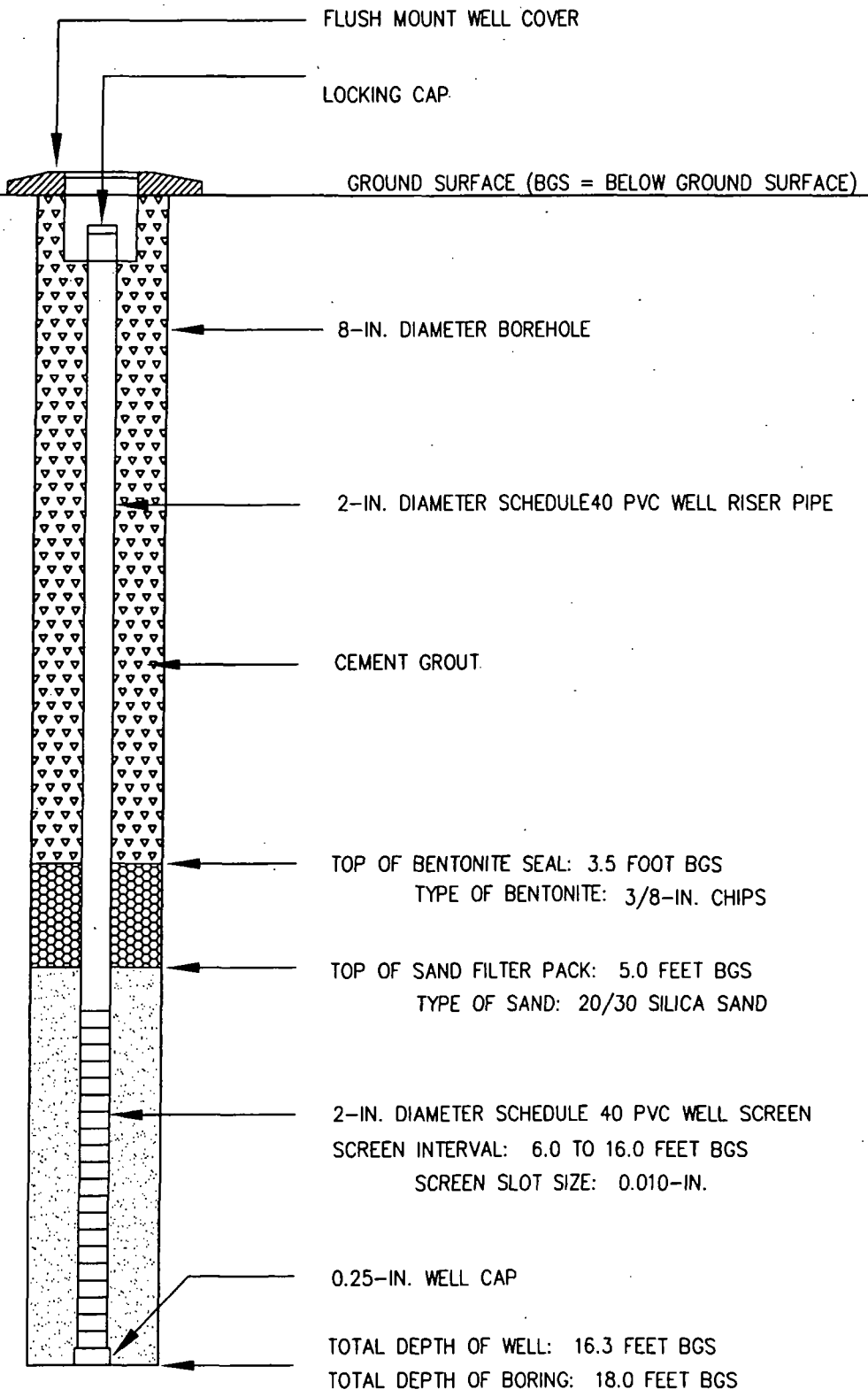
Fax: (864) 297-7938

OBSERVATION WELL OW-3
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CAB	CHECKED BY: MCW	APPROVED BY: ZWY	DATE: 8-02-04	PROJECT NO.: 6690-03-9450



CONTRACTOR: MACTEC ENGINEERING AND CONSULTING, INC.	CERTIFICATION NO. & STATE: NO. 3127, NORTH CAROLINA
DRILLER: MIKE HAMLET	DRILLING EQUIPMENT: CME 75, 4.25 HSA; CME CONTINUOUS SAMPLER
MACTEC FIELD PERSONNEL: SUSAN KELLY, LG.	

NOT TO SCALE

INSTALLATION DATE: 6/30/04
GROUND SURFACE ELEVATION: NA
TOP OF CASING ELEVATION: 2416.59 FEET MSL
NORTHING: 652568.2262
EASTING: 956471.9046

MACTEC

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Fax: (864) 297-7938

OBSERVATION WELL OW-4
CONSTRUCTION DIAGRAM

MILLS GAP ROAD SITE
ASHEVILLE, NORTH CAROLINA

FILE:	DRAWN BY: CHB	CHECKED BY: MCW	APPROVED BY: 7/24	DATE: 8-02-04	PROJECT NO.: 6690-03-9450

APPENDIX C

DATA VALIDATION CASE NARRATIVE

AND

CHEMICAL ANALYTICAL LABORATORY REPORTS

APPENDIX C
DATA QUALITY EVALUATION NARRATIVE

The quality assurance program established for the sampling and analyses efforts at the CTS – Mills Gap Road Site in Skyland, North Carolina was designed so that the data produced during this investigation were of known precision, accuracy and completeness for the intended data use. The data were assessed using the "Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review (1999)" and "Laboratory Data Validation Functional Guidelines for Evaluating Organics and Inorganics Analyses" as guidance. Since this analytical work is based on RCRA methods, RCRA performance standards (per SW-846, Update III) have been inserted where applicable. The data quality evaluation (DQE) included the following activities for the data obtained during this sampling event:

- Review of chain-of-custody documentation and sample condition upon receipt at the laboratory;
- Evaluation of analytical holding times;
- Evaluation of the reported analyses to confirm that appropriate USEPA-approved analytical methods were performed;
- Evaluation of the practical quantitation limits (PQLs);
- Assessment of analytical accuracy and laboratory performance criteria (instrument calibration and continuing calibration, laboratory control sample (LCS) recoveries, surrogates and matrix spike/matrix spike duplicate recoveries);
- Assessment of possible field and laboratory contamination (method blanks, field equipment rinse blanks, and trip blanks, as applicable);and
- Assessment of field and analytical precision (RPD between field duplicates and matrix spike/matrix spike duplicates).

ELEMENTS OF DATA QUALITY EVALUATION

Instrument Performance

USEPA Method 8260B (VOCs) and 8270C (SVOCs) require the Gas Chromatograph/Mass Spectrometer (GC/MS) to be tuned every 12 hours of operation with a tuning compound. GC/MS instrument tunes are performed to check mass resolution, peak identification accuracy and

instrument sensitivity. Criteria for instrument performance checks included evaluation of adherence to instrument tuning frequency requirements, mass assignments, and ion abundance criteria.

Initial and Continuing Calibration

Initial calibration and continuing calibration criteria are specified by methods to meet accuracy and precision goals specified by the USEPA. Most USEPA methods are built around a confidence limit of 99 percent, which means a constituent can be measured and reported with 99 percent confidence that the constituent is greater than zero. Generally, most SW-846 methods require a five point calibration, which defines the linear range of the analytical instrument.

Continuing calibration criteria are similar to initial calibration criteria, in that all system performance checks must meet the same criteria as the initial calibration. However, only one calibration standard (a midpoint of the calibration curve) is analyzed to determine the "fit" of all calibrated compounds. This fit is typically measured in percent difference from the initial calibration.

Blank Assessment

Blank samples are used to identify positive bias in the sampling and/or analytical process. This bias can enter the sample test process in the field, during shipment to the laboratory or in the laboratory. Therefore, blanks are typically included at each stage of the sampling and analysis process to potentially identify sources of cross contamination. In the laboratory, method blanks are analyzed at the beginning of the analytical process to determine if the analytical system is free of constituents of interest. Reagent blanks, ambient blanks and equipment rinse blanks can be collected to assess possible field contamination. Trip blanks are typically included in the sample shipping container to assess possible contamination during sample shipment and storage.

Acceptance criteria for typical laboratory contaminants (methylene chloride, acetone, 2-butanone, sodium, potassium, various phthalates, etc.) in any blank typically requires the identified constituent in associated field samples to be greater than ten times the concentration found in the blank to negate qualification. For analytes not typically introduced in the laboratory, the standard for identifying positive bias is lower. For this scenario, if the constituent concentration in the field samples is less than five times the concentration found in the associated blank, then qualification (JB flag) is necessary.

Laboratory Control Samples

Laboratory control samples (LCS) are similar in nature to a continuing calibration check standard, in that known amounts of constituents are added to laboratory reagent water and a recovery is calculated. Method requirements allow for a laboratory to statistically establish control limits for each constituent added to the LCS. Furthermore, this standard may originate from a second source supplier, providing verification that the initial calibration is accurate. The laboratory may also analyze an LCS duplicate to assess the analytical precision in the absence of matrix interference.

Internal Standards and Surrogates

Internal standards (IS) and surrogates are typically associated with purge or extractible analyses by GC or GC/MS. Internal standards allow for the slight variations inherent in the analytical procedure, while surrogates and the calculated surrogate recoveries yield indications of sample matrix interference. IS area counts must not vary more than –50 percent or +100 percent (factor of 2) from the associated initial calibration midpoint. Furthermore, IS retention times must not vary more than ± 30 seconds from the associated initial calibration retention times.

Matrix Spike/Matrix Spike Duplicate Assessment

Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples, like surrogates, also provide information about project sample matrix effects on constituents of interest. Similar to an LCS, known amounts of analytes are added (spiked) to a sample matrix and the resulting concentrations are calculated as a percent recovery after subtracting the concentration (if any) of the original unspiked sample (parent sample). Diminished or excessive recoveries of a constituent from a properly functioning analytical system indicate the sample matrix is causing a bias in the reported concentrations or a problem is present in collection of the samples, requiring qualification (flagging) of the parent sample. Relative Percent Difference (RPD) between the MS/MSD recoveries is also calculated and measures reproducibility.

Sample Duplicate Assessment

Field duplicate results are used to evaluate reproducibility and representativeness under field sampling conditions. When analytes for both duplicate and sample values are greater than five times the quantitation limit, satisfactory representativeness is indicated by an RPD less than or equal to 30 percent. If results are less than five times the reporting limit, then duplicate results

should agree within 2.5 times the reporting limit.

SCOPE AND BACKGROUND

This data quality evaluation for water samples applies to the June 16-28, 2004 sampling event. One groundwater sample and five surface water samples were collected on June 23, 2004 and June 22, 2004, respectively. The evaluated soil samples were collected June 25, 2004. The complete data set generated from this field event was not evaluated. All of the groundwater and surface water sample data was evaluated, and 20% of the soil data were evaluated for quality. Therefore, qualification of data points generated from this evaluation process will apply only to the data reviewed.

The samples and associated QC were shipped via Federal Express to the Shealy Environmental Services, Inc. (SES) laboratory in Cayce, South Carolina. Groundwater, surface water and soil samples received by the laboratory were logged in, analyzed, and reported in multiple batches. The laboratory subsequently applied login numbers to each batch, hereafter referred to as sample delivery groups (SDGs). The SDG number for the groundwater sample TW-1 is FF24012. The SDG number for spring water and surface water samples is FF23030. The SDG number for the evaluated soil samples is FF26011. The imbedded tables below show the samples in each SDG that were validated.

Groundwater samples and soil samples were analyzed for the list of constituents presented in the work plan approved by the USEPA. Water samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B, semi-volatile organic compounds (SVOCs) by Method 8270C, Polychlorinated biphenyls (PCBs) by Method 8082, and total petroleum hydrocarbons – diesel range organics (TPH-DRO) by Method 8015. Soil samples were analyzed for VOCs by Method 8260B, SVOCs by Method 8270C, Pesticides by Method 8081A, PCBs by Method 8082, and TPH-DRO by Method 8015. Trip blanks and field equipment rinse blanks were included where appropriate.

The analytical results reported by SES included a summary of the samples in the SDG, a brief narrative noting any problems experienced in the analytical process, instrument calibration and continuing calibration summaries, batch quality control sample reports (Method Blanks, LCS recoveries, MS/MSD results, and surrogate recoveries where applicable) and copies of the custody records. The data packages provided by the laboratory were consistent with level III

(results and QA/QC summary information) for the soil data and level IV (results, raw data, and QA/QC summary information) for the water data.

The samples included in this data validation effort are shown below per SDG.

SDG # FF24012 (groundwater samples)

Sample ID	Date Sampled	Sample ID	Date Sampled	Sample ID	Date Sampled
TW-1	6/23/2004				
TB-09	6/23/2004				

SDG # FF23030 (spring and surface water samples)

Sample ID	Date Sampled	Sample ID	Date Sampled	Sample ID	Date Sampled
Spring-01	6/22/2004	Trip Blank 01	6/22/2004		
Spring-02	6/22/2004	Trip Blank 02	6/22/2004		
Spring-03	6/22/2004	Trip Blank 03	6/22/2004		
Spring-04	6/22/2004	Trip Blank 04	6/22/2004		
SW-05	6/22/2004				

SDG # FF26011 (soil samples)

Sample ID	Date Sampled	Sample ID	Date Sampled	Sample ID	Date Sampled
BH-23B	6/25/2004	BH-27B	6/25/2004	BH-31C	6/25/2004
BH-23A	6/25/2004	BH-27C	6/25/2004	BH-25B	6/25/2004
BH-27A	6/25/2004	RB-03	6/25/2004	BH-31B	6/25/2004
BH-21C	6/25/2004	FB-04	6/25/2004	BH-31A	6/25/2004
BH-21B	6/25/2004	BH-25C	6/25/2004	Dup-03[2]	6/25/2004
BH-21A	6/25/2004	BH-25A	6/25/2004	Trip Blanks[3]	6/25/2004
Dup-04[1]	6/25/2004	RB-03	6/25/2004		

[1]Dup-04 was a duplicate sample of BH-21C and was analyzed for VOCs, SVOCs, TPH-DRO and PCBs.
[2]Dup-03 was a duplicate sample BH-31C and was analyzed for VOCs, SVOCs, TPH-DRO and PCBs.
[3]Five consecutively numbered trip blanks accompanied these soil samples to the laboratory

This DQE narrative summarizes the findings from evaluating the data packages associated with each SDG. The end goal of the DQE process is to evaluate the usability of laboratory data for its intended purpose by the end data user. The intended purpose of this data collection effort was to characterize the extent of potential impacts in the study area. Only those QA/QC elements which required qualification of data points are discussed since these elements of uncertainty are relative to the end data user. Each SDG is discussed separately as indicated below and the data

qualification and associated flag is documented in a tabular format.

Data validation flags were applied to these data sets as described in the DQE summary for each SDG. Constituents present in the QC blanks above the laboratory practical quantitation limit (PQL) are qualified as estimated (JB flag) in the associated samples if the constituent is less than ten times that found in the blank (unless otherwise noted). Constituents which fail laboratory QA/QC criteria or do not meet method specifications are qualified as estimated (J flag) or in some cases rejected (R flag). The following is a data flagging key.

J = constituent concentration is estimated based on non-compliant QA/QC data.
JB = constituent concentration is estimated based on the detection of the same constituent above the laboratory PQL in a laboratory blank or field blank.
JQ = constituent concentration is estimated. Reported concentration is between the laboratory MDL and the PQL.
R = constituent rejected and unusable for both detect and non-detects.

DQE SUMMARY

SDG FF24012 (groundwater)

The three sample shipping containers received by the laboratory on June 24, 2004 were recorded with temperatures of 2.8°C, 1.7°C, and 4.3°C. The groundwater and trip blank sample were received in cooler 3 with the temperature of 4.3°C. The laboratory noted all samples were received in tact and the proper bottles and preservatives were used. Furthermore, the COC was properly relinquished and there were no discrepancies noted by the laboratory on the cooler receipt form located at the end of the data deliverable package. The correct methods were employed by the laboratory and the analytical holding times were met. MS/MSD samples and duplicate samples were not collected from groundwater sources.

Samples Requiring Dilution or Qualification

The groundwater sample from well TW-1 was initially analyzed for VOCs at a 10x dilution and reanalyzed at a 100x dilution to bring trichloroethene within the instruments calibration range. Trichloroethene is the only compound reported from the 100x dilution. The remaining VOC constituents were reported from the initial 10x dilution. A majority of the VOC constituents

reported for the sample from well TW-1 are less than the reporting limits. However, the reporting limits for this sample are elevated by a factor of 10.

Sample ID	Method	Constituent Affected	Comments	Data Flag[1]
TW-1	8260B	**1,1-dichloroethane**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**benzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**cis-1,2-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**naphthalene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**xylenes (total)**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**1,2,3-trichlorobenzene**	Continuing Calibration (CC) exceeded 40% D for this constituent.	R
	8260B	**1,2,4-trichlorobenzene**	CC exceeded 40% D for this constituent.	R
	8270C	**4-nitrophenol**	CC exceeded 40% D for this constituent.	R

[1]Some data flags may not appear in the text or tables of the report unless the constituent was detected.

One quantitative calculation was checked for each method, provided there was a detected constituent for that method. The hand-calculated concentrations of detected constituents matched those reported by the laboratory.

Note: The GC chromatogram of the TW-1 extract for TPH-DRO shows a slightly elevated baseline, but no discernable fuel pattern.

Completeness

Based on the preceding criteria, this data set representing SDG# FF24012 is usable with minor qualifications. There were 155 data points for the samples evaluated in this SDG. Three data points were rejected, yielding a completeness of 98 percent. Completeness is defined by the percentage of analytical results judged to be valid (including estimated values). Project objectives are typically met when completeness is 90 percent or better.

SDG FF23030 (surface waters)

The four sample shipping containers received by the laboratory on June 23, 2004 were all recorded with a temperature of 5.4°C. The spring water, surface water and trip blank samples were received in all four coolers. The laboratory noted all samples were received in tact and the proper bottles and preservatives were used. Furthermore, the COC was properly relinquished and there were no discrepancies noted by the laboratory on the cooler receipt form located at the end of the data deliverable package. The correct methods were employed by the laboratory and the analytical holding times were met. MS/MSD samples and duplicate samples were not collected from spring water or surface water sources, however, the laboratory did perform an internal MS/MSD for PCBs on surface water sample SW-05 and recoveries of spiked PCBs were within laboratory limits.

Samples Requiring Dilution or Qualification

The sample for Spring-01 was initially analyzed for VOCs undiluted and reanalyzed at a 10x dilution to bring trichloroethene within the instruments calibration range. The sample for Spring-02 was initially analyzed for VOCs at a 50x dilution and reanalyzed at a 500x dilution to bring trichloroethene within the instruments calibration range. The sample for Spring-03 was initially analyzed for VOCs at a 10x dilution and reanalyzed at a 100x dilution to bring trichloroethene within the instruments calibration range. The sample for Spring-04 was initially analyzed for VOCs undiluted and reanalyzed at a 10x dilution to bring trichloroethene within the instruments calibration range. The surface water sample for SW-05 was initially analyzed for VOCs undiluted and reanalyzed at a 10x dilution to bring trichloroethene within the instruments calibration range. Trichloroethene is the only compound reported from the higher dilutions. The remaining VOC constituents were reported from the initial dilutions. In cases where the sample was not analyzed undiluted, a majority of the VOC constituents were reported by the laboratory as less than the elevated reporting limits. The only other method requiring an analytical dilution was the TPH-DRO extract from surface water sample Spring-01. A 2x dilution was performed to bring TPH within the calibration range of the analytical instrument.

Sample ID	Method	Constituent Affected	Comments	Data Flag[1]
Spring-01	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**Naphthalene**	Continuing Calibration (CC) on 7/2/2004 exceeded 20%	J

			D for this constituent.	
	8260B	**bromomethane**	CC on 7/01/2004 exceeded 40 % D for this constituent	R
	8270C	**2,4-dimethylphenol**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
	8270C	**bis(2-chloroethoxy)methane**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
	8015M	**TPH-DRO**	Surrogate recovery outside laboratory limits.	J
Spring-02	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**benzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**ethylbenzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**naphthalene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**toluene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**xylenes**	Constituent reported between laboratory MDL and PQL.	JQ
	8015M	**TPH-DRO**	Surrogate recovery outside laboratory limits.	J
	8270C	**2,4-dimethylphenol**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
	8270C	**bis(2-chloroethoxy)methane**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
Spring-03	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**benzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**cis-1,2-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8015M	**TPH-DRO**	Surrogate recovery outside laboratory limits.	J
	8270C	**2,4-dimethylphenol**	Constituent does not meet correlation coefficient	R

			requirement of method (r ≥0.995).	
	8270C	**bis(2-chloroethoxy)methane**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
Spring-04	8260B	**1,1-dichloroethane**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**benzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**naphthalene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**toluene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**trans-1,2-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**bromomethane**	CC on 7/01/2004 exceeded 40 % D for this constituent	R
	8270C	**2,4-dimethylphenol**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
	8270C	**bis(2-chloroethoxy)methane**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
SW-05	8260B	**1,1-dichloroethane**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**1,1-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**benzene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**naphthalene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**trans-1,2-dichloroethene**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**vinyl chloride**	Constituent reported between laboratory MDL and PQL.	JQ
	8260B	**bromomethane**	CC on 7/01/2004 exceeded 40 % D for this constituent	R

	8270C	**2,4-dimethylphenol**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
	8270C	**bis(2-chloroethoxy)methane**	Constituent does not meet correlation coefficient requirement of method (r ≥0.995).	R
SW-05 Cont.	8270C	**4-nitrophenol**	Continuing Calibration (CC) exceeded 40% D for this constituent. Also outside LCS limits.	R

[1]Some data flags may not appear in the text or tables of the report unless the constituent was detected.

One quantitative calculation was checked for each method, provided there was a detected constituent for that method. The hand-calculated concentrations of detected constituents matched those reported by the laboratory.

Note: The GC chromatograms of the surface water and spring water samples for PCB analysis show an elevated baseline, indicating background interference. This interference is likely do to a presence of hydrocarbons. The GC chromatograms from TPH-DRO indicate the presence of a multi-response medium molecular weight hydrocarbon.

Completeness

Based on the preceding criteria, this data set representing SDG# FF23030 is usable with some qualifications. There were 734 data points for the samples evaluated in this SDG. Fourteen data points were rejected, yielding a completeness of 98 percent. Completeness is defined by the percentage of analytical results judged to be valid (including estimated values). Project objectives are typically met when completeness is 90 percent or better.

SDG FF26011 (soils)

The five sample shipping containers received by the laboratory on June 26, 2004 were recorded with temperatures of 0.6°C, 4.4°C, 5.1°C, 3.0°C and 5.6°C. Trip blank samples for VOC analysis were received in all five coolers. The laboratory noted all samples were received in tact and the proper bottles and preservatives were used. Furthermore, the COC was properly relinquished and there were no discrepancies noted by the laboratory on the cooler receipt form located at the end of the data deliverable package. The correct methods were employed by the laboratory and the analytical holding times were met.

Samples Requiring Dilution or Qualification

Several soil samples were analyzed at dilutions to bring constituents of interest within the calibration range of the analytical instrument or due to a matrix effect. The following table identifies which samples were diluted, the dilution amount, and the constituents or reason for which the sample was diluted.

Sample ID	Method	Dilution Amount	Constituents / Reason
BH-23B	8260B	200x	Trichloroethene; 1,1,1-trichloroethane
	8270C	10x	High background matrix (hydrocarbon pattern)
	8081A	10x	High background matrix
	8015M	50x	High concentration of TPH
	6010B	2x	Aluminum and iron
BH-28B	8081A	10x	High background matrix
	6010B	5x	Aluminum and iron
BH-23A	8260B	50x	Trichloroethene
BH-21C	8081A	20x	High background matrix
	6010B	5x	Aluminum and iron
BH-21B	8260B	50x and 100x	2-hexanone and xylenes (50x); trichloroethene (100x)
	8015M	2x	High concentration of TPH
BH-21C	8260B	500x	Trichloroethene and xylenes
	8015M	50x	High concentration of TPH
Dup-04 (BH-21C)	8260B	50x and 500x	Ethylbenzene and xylenes (50x); trichloroethene (500x)
	8270C	5x	High background matrix (hydrocarbon pattern)
	8015M	50x	High concentration of TPH
BH-27C	8082	10x	High background matrix interference (all ND at elevated PQLs)
	8081A	20x	High background matrix interference (all ND at elevated PQLs)
	6010B	5x	Aluminum and iron
BH-31C	6010B	5x	Aluminum and iron

MS/MSD Information

MS/MSD samples were not collected, however, the laboratory did perform an internal MS/MSD for SVOCs on soil sample BH-31B and recoveries of spiked SVOCs were within laboratory limits. An internal MS/MSD was performed for pesticides on BH-21A; however, pesticide analysis was not requested on this sample. An internal MS/MSD was performed for PCBs on

Dup-04 (BH-21C). The PCB MS/MSD did not pass laboratory recovery criteria, but PCBs were not detected in the sample. Therefore, no qualification of the PCB data was required for Dup-04. An MS/MSD was performed on soil sample BH-25C for TPH-DRO and the recoveries were outside laboratory limits. The parent sample (BH-25C) was qualified as estimated and flagged with a "J". Finally, an internal MS/MSD was performed on soil sample BH-23B for cyanide and recoveries were within laboratory limits.

Rather than list all of the "JQ" flags associated with the soil data in this SDG, the "JQ" flags have been applied to the applicable detected constituents on tables 8, 9 and 10. All detected constituents with concentrations less than the laboratory PQL should be considered estimated and flagged with a "JQ".

Sample ID	Method	Constituent Affected	Comments	Data Flag[1]
BH-21B	8260B	**2-butanone (MEK)**	Continuing Calibration (CC) on 7/2/2004 exceeded 40% D for this constituent.	R
	8015M	**TPH-DRO**	Surrogate recovery is outside laboratory limits.	J
BH-21C	8260B	**2-butanone (MEK)**	Continuing Calibration (CC) on 7/2/2004 exceeded 40% D for this constituent.	R
	8260B	**1,1,1-trichloroethane**	130% Difference (D) between parent sample and duplicate sample.	J
	8260B	**naphthalene**	"ND" in duplicate	J
	8260B	**ethylbenzene**	167% D between parent sample and duplicate sample	J
	8260B	**trichloroethene**	70% D between parent sample and duplicate sample	J
	8260B	**xylenes**	128% D between parent sample and duplicate sample	J
Dup-04 (BH-21C)	8260B	**bromomethane**	CC on 7/01/2004 exceeded 40 % D for this constituent	R
	8260B	**1,1,1-trichloroethane**	130% Difference (D) between parent sample and duplicate sample.	J
	8260B	**benzene**	Less than MDL in parent sample	J
	8260B	**ethylbenzene**	167%Difference (D) between parent sample and duplicate sample	J
	8260B	**toluene**	122% D between parent and duplicate sample	J
	8260B	**trichloroethene**	70%D between parent and duplicate sample	J

	8260B	**xylenes**	128% D between parent sample and duplicate sample	J
	8270C	**2-methylnaphthalene**	174% D between parent sample and duplicate sample	J
BH-25C	8015M	**TPH-DRO**	MS/MSD recoveries and RPD outside laboratory limits.	J
BH-23B	8081A	**toxaphene**	Closing CC does not pass on either column	R
BH-23A	8015M	**TPH-DRO**	Surrogate recovery is outside laboratory limit.	J

[1]Some data flags may not appear in the text or tables of the report unless the constituent was detected.

One quantitative calculation was checked for each method, provided there was a detected constituent for that method. The hand-calculated concentrations of detected constituents matched those reported by the laboratory.

Note: Soil data packages were issued by the laboratory as a level III data package (no raw data). Based on the dilutions performed and the surrogate recoveries observed, these soil samples have a higher than normal background matrix. This interference is likely do to the presence of hydrocarbons.

Completeness

Based on the preceding criteria, this data set representing SDG# FF26011 is usable with some qualifications. There were 2,637 data points for the samples evaluated in this SDG. Four data points were rejected, yielding a completeness of 99.8 percent. Completeness is defined by the percentage of analytical results judged to be valid (including estimated values). Project objectives are typically met when completeness is 90 percent or better.

OVERALL DQE COMPLETENESS

The calculated completeness for the data evaluated from this sampling event is 99%. Based on the high percentage of completeness, further review of the remaining soil data is unnecessary.

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450-08**

Lot Number: **FG02017**

Date Completed: **07/24/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FG02017

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FG02017

Sample Number	Sample ID	Matrix	Date Sampled
001	1 DW- Water	Aqueous	07/01/2004 1430
002	1 DW- Soil	Solid	07/01/2004 1430
003	Trip Blank-1DW	Aqueous	07/01/2004 1430

(3 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FG02017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	1 DW- Water	Aqueous	Trichloroethene	8260B	0.043		mg/L	5
002	1 DW- Soil	Solid	Trichloroethene	8260B	0.12		mg/L	10
002	1 DW- Soil	Solid	Barium	6010B	1.2		mg/L	14

(3 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-001**
Description: **1 DW- Water**
Matrix: **Aqueous**
Date Sampled: **07/01/2004 1430**
Date Received: **07/02/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	1	07/13/2004 1841	RED			07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Benzene	71-43-2	8260B	ND		0.0050	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.010	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.0050	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.0050	mg/L	1
Chloroform	67-66-3	8260B	ND		0.0050	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.0050	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.0050	mg/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.043**		**0.0050**	**mg/L**	**1**
Vinyl chloride	75-01-4	8260B	ND		0.010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		102	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FG02017-001**

Description: **1 DW- Water** Matrix: **Aqueous**

Date Sampled: **07/01/2004 1430**

Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8270C	1	07/10/2004 1742	DC	07/08/2004 1555	16732	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dichlorobenzene	106-46-7	8270C	ND		0.050	mg/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		0.10	mg/L	1
Hexachlorobenzene	118-74-1	8270C	ND		0.050	mg/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		0.050	mg/L	1
Hexachloroethane	67-72-1	8270C	ND		0.050	mg/L	1
2-Methylphenol	95-48-7	8270C	ND		0.050	mg/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		0.10	mg/L	1
Nitrobenzene	98-95-3	8270C	ND		0.050	mg/L	1
Pentachlorophenol	87-86-5	8270C	ND		0.25	mg/L	1
Pyridine	110-86-1	8270C	ND		0.050	mg/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		0.050	mg/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		0.050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		77	30-130
2-Fluorobiphenyl		75	30-130
2-Fluorophenol		75	30-130
Nitrobenzene-d5		86	30-130
Phenol-d5		71	30-130
Terphenyl-d14		59	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-001**
Description: **1 DW- Water**
Matrix: **Aqueous**
Date Sampled: **07/01/2004 1430**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/8151A	8151A	1	07/23/2004 0137	MTR	07/08/2004 2149	16743	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
2,4-D	94-75-7	8151A	ND		0.020	mg/L	1
2,4,5-TP (Silvex)	93-72-1	8151A	ND		0.0050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
DCAA		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FG02017-001**

Description: **1 DW- Water** Matrix: **Aqueous**

Date Sampled: **07/01/2004 1430**

Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081A	1	07/14/2004 1245	MTR	07/08/2004 1555	16733	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081A	ND		0.00050	mg/L	1
Chlordane	57-74-9	8081A	ND		0.0010	mg/L	1
Endrin	72-20-8	8081A	ND		0.00050	mg/L	1
Heptachlor	76-44-8	8081A	ND		0.00050	mg/L	1
Heptachlor epoxide	1024-57-3	8081A	ND		0.00050	mg/L	1
Methoxychlor	72-43-5	8081A	ND		0.0020	mg/L	1
Toxaphene	8001-35-2	8081A	ND		0.0050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		9.4	10-110
Tetrachloro-m-xylene		61	30-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-001**
Description: **1 DW- Water**
Matrix: **Aqueous**
Date Sampled: **07/01/2004 1430**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	07/12/2004 1615	MNM	07/12/2004 1245	16836	07/07/2004 1715
1	1311/3010A	6010B	10	07/12/2004 1447	FTS	07/08/2004 1703	16765	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.050	mg/L	1
Barium	7440-39-3	6010B	ND		0.25	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.020	mg/L	1
Chromium	7440-47-3	6010B	ND		0.050	mg/L	1
Lead	7439-92-1	6010B	ND		0.030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.050	mg/L	1
Silver	7440-22-4	6010B	ND		0.050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-002**
Description: **1 DW- Soil**
Matrix: **Solid**
Date Sampled: **07/01/2004 1430**
% Solids: **87.3** **07/02/2004 1830**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	07/13/2004 2010	RED			07/08/2004 1730

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	mg/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.12**		**0.050**	**mg/L**	**1**
Vinyl chloride	75-01-4	8260B	ND		0.10	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FG02017-002**

Description: **1 DW- Soil** Matrix: **Solid**

Date Sampled: **07/01/2004 1430** % Solids: **87.3** **07/02/2004 1830**

Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8270C	1	07/10/2004 1809	DC	07/08/2004 1555	16731	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dichlorobenzene	106-46-7	8270C	ND		0.050	mg/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		0.10	mg/L	1
Hexachlorobenzene	118-74-1	8270C	ND		0.050	mg/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		0.050	mg/L	1
Hexachloroethane	67-72-1	8270C	ND		0.050	mg/L	1
2-Methylphenol	95-48-7	8270C	ND		0.050	mg/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		0.10	mg/L	1
Nitrobenzene	98-95-3	8270C	ND		0.050	mg/L	1
Pentachlorophenol	87-86-5	8270C	ND		0.25	mg/L	1
Pyridine	110-86-1	8270C	ND		0.050	mg/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		0.050	mg/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		0.050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		82	30-130
2-Fluorobiphenyl		80	30-130
2-Fluorophenol		83	30-130
Nitrobenzene-d5		92	30-130
Phenol-d5		78	30-130
Terphenyl-d14		99	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-002**
Description: **1 DW- Soil**
Matrix: **Solid**
Date Sampled: **07/01/2004 1430**
% Solids: **87.3** **07/02/2004 1830**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/8151A	8151A	1	07/23/2004 0223	MTR	07/08/2004 2149	16743	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
2,4-D	94-75-7	8151A	ND		0.020	mg/L	1
2,4,5-TP (Silvex)	93-72-1	8151A	ND		0.0050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
DCAA		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-002**
Description: **1 DW- Soil**
Matrix: **Solid**
Date Sampled: **07/01/2004 1430**
% Solids: **87.3** **07/02/2004 1830**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/3520C	8081A	1	07/14/2004 1154	MTR	07/08/2004 1555	16730	07/07/2004 1715

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
gamma-BHC (Lindane)	58-89-9	8081A	ND		0.00050	mg/L	1
Chlordane	57-74-9	8081A	ND		0.0010	mg/L	1
Endrin	72-20-8	8081A	ND		0.00050	mg/L	1
Heptachlor	76-44-8	8081A	ND		0.00050	mg/L	1
Heptachlor epoxide	1024-57-3	8081A	ND		0.00050	mg/L	1
Methoxychlor	72-43-5	8081A	ND		0.0020	mg/L	1
Toxaphene	8001-35-2	8081A	ND		0.0050	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		39	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-002**
Description: **1 DW- Soil**
Matrix: **Solid**
Date Sampled: **07/01/2004 1430**
% Solids: **87.3** **07/02/2004 1830**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/7470A	7470A	1	07/06/2004 1456	MNM	07/06/2004 1015	16658	07/03/2004 1722
1	1311/3010A	6010B	10	07/08/2004 1335	MNM	07/06/2004 1815	16690	07/03/2004 1722
2	1311/3010A	6010B	10	07/08/2004 1751	MNM	07/06/2004 1815	16690	07/03/2004 1722

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.050	mg/L	1
Barium	**7440-39-3**	**6010B**	**1.2**		**0.25**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.020	mg/L	2
Chromium	7440-47-3	6010B	ND		0.050	mg/L	2
Lead	7439-92-1	6010B	ND		0.030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.050	mg/L	1
Silver	7440-22-4	6010B	ND		0.050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-003**
Description: **Trip Blank-1DW**
Matrix: **Aqueous**
Date Sampled: **07/01/2004 1430**
Date Received: **07/02/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/13/2004 1157	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FG02017-003**
Description: **Trip Blank-1DW**
Matrix: **Aqueous**
Date Sampled: **07/01/2004 1430**
Date Received: **07/02/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34726

Client: MACTEC
Address: 1327 Miller Rd - Suite A
City: Greenville State: SC Zip Code: 29607
Project Name: Mills Gap Road site
Project No.: 6690-03-9450.08
P.O. No.:
Report to Contact: Harry Morris
Sampler's Signature: Dwoanly
Printed Name: Susan Kelly
Telephone No. / Fax No. / E-mail: 864-288-5116
Quote No.:
Job/Lot No.:
Page 1 of 1
Analysis (Share file if more space is needed)
Lab No.: F6020-71
Shealy Order I.D.

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Grab	Comp	Matrix: Aqueous	Solid	Air	Other	No. of Containers by Preservative Type: Unpreserved	HCl	HNO3	H2SO4	NaOH	Na2S2O3	TCLP Full VOCs Tbl	
IDW-WATER	7/1/04	1430	C		✓				6	1	3				10	
IDW-SOIL	7/1/04	1430	C			✓			3						3	
TRIP BLANK-IDW	>				✓						2					2

Possible hazard identification: Non-hazardous / Flammable / Skin Irritant / Poison / Unknown
Sample Disposal: Return to Client / Disposal by Lab
Note: All samples are retained for six weeks from receipt unless other arrangements are made.
Turn Around Time Required (Prior lab approval required for expedited TAT): Normal / Rush (Specify)
QC Requirements (Specify):

Relinquished by	Date	Time	Received by	Date	Time
1. Susan Kelly - MACTEC	7/1/04	1700	1.		
2.			2.		
3. FedEx	7/2/04	0945	3. Laboratory received by: [illegible]	7/2/04	0849

Comments:
LAB USE ONLY: Received on Ice (Circle): Yes No Ice Pack
Receipt Temp: 1.8 °C

DISTRIBUTION: White & Yellow-Return to Laboratory w/ Samples; Pink-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34719

Client	MATTEC
Report to Contact	Harry Morris
Telephone No. / Fax No. / E-mail	864-288-5716/864-320-2017
Quote No.	
Address	1327 Miller Rd - Suite A
Sampler's Signature	x [signature]
Waybill No.	
Page	1 of 2
City / State / Zip Code	Greenville / SC / 29607
Printed Name	Susan Kelly
Project Name	Mills Gap Road Site
Project No.	6690-03-9450.08
P.O. No.	
Lot No.	FF25012

Analysis (Attach list if more space is needed.)

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL VOCs	TCL SVOCs	TPH-DRO	PCBs	RCRA Metals	CN	TCL Pesticides	Remarks / Cooler I.D.
FB-03	6/23/04	1200		✓						3			3							cooler 1
RB-02	6/24/04	1315		✓						3			3							cooler 1
BH-16B	6/24/04	1030			✓		3					1	4	1	1	1				cooler 1
BH-13B	6/24/04	1200			✓		3					1	4	1	1	1				cooler 1
Smc 7/26/04 ~~BH-18A~~ BH-16A	6/24/04	1015			✓		3					1	4	1	1	1				cooler 1
BH-13A	6/24/04	1130			✓		3					1	4	1	1	1				cooler 1
BH-17A	6/24/04	845			✓		6					1	4	1	1	1	1	1	1	cooler 1
BH-17B	6/24/04	915			✓		3					1	4	1	1	1				cooler 1
~~BH-~~																				
~~BH~~ TRIP BLANK-10																				cooler 1

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

QC Requirements (Specify): water - LEVEL 4; soil - LEVEL 3

	Date	Time		Date	Time
1. Relinquished by: Susan Kelly - MATTEC	6/29/04	1800	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by: FedEx			3. Laboratory received by: Michael Walters	6/25/04	0900

Comments

LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 5.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

6.4.6

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 3[illegible]20

Client: MATTEC	Report to Contact: Harry Morris	Telephone No. / Fax No. / E-mail: 864-288-5116 / 864-320-2017	Quote No.
Address: 1327 Miller Rd - Suite A	Sampler's Signature: x Susan Kelly	Waybill No.	Page 2 of 2
City: Greenville; State: SC; Zip Code: 29607	Printed Name: Susan Kelly	Analysis (Attach list if more space is needed.)	
Project Name: Mills Gap Road Site			
Project No.: 6690-03-9450.08	P.O. No.		Lot No.: FT-25012

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL VOCs	TCL SVOCs	TPH DRO	TCL PCBs	TAL Metals	TCL Pesticides	CN	Remarks / Cooler I.D.
FB-02	6/24/04	930		✓						3			3							cooler 2
BH-32A	6/24/04	1630			✓		3					1	4	1	1	1				cooler 2
BH-33A	6/24/04	1610			✓		3					1	4	1	1	1				cooler 2
BH-34B	6/24/04	1530			✓		6					1	4	1	1	1	1	1	1	cooler 2
DUP-02	6/24/04	1530			✓		3					1	4	1	1	1				cooler 2
TRIP BLANK-11 SL	~~6/24/04~~			✓						2			2							cooler 2
BH-34A	6/24/04	1515			✓		3					1	4	1	1	1				cooler 3
BH-18B	6/24/04	1445			✓		6					1	4	1	1	1	1	1	1	cooler 3
SL ~~BH-18~~ BH-18A	6/24/04	1420			✓		3					1	4	1	1	1				cooler 3
TRIP BLANK-12 SL	~~6/24/04~~			✓						2			2							cooler 3

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

QC Requirements (Specify): water - LEVEL 4 ; soil - LEVEL 3

	Date	Time		Date	Time
1. Relinquished by: Susan Kelly - MATTEC	6/24/04	1800	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by: FedEx			3. Laboratory received by: M. Shae Walters	6/25/04	0900

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 5.6 3.6.4.6

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Sample Receipt Checklist

Client: Mactec Cooler Inspected by/date: NGW 10/25/04 Lot #: FF25012

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler temperature upon receipt 5.6 °C 3.6, 4.6 Method: ☑ Temperature Blank ☐ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.			
Yes ☑	No ☐	NA ☐	3. Is the shipper's packing slip attached to this form? on back
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures followed? not relinquished to FedEx
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☐	No ☑	NA ☐	6. Was collection date & time listed? Not for Tblanks - took of bottle
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☐	No ☑	NA ☐	9. Did all container labels agree with COC? BH-18a missed labeled - below
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	15. Was headspace >6 mm present in any VOA vials?
Yes ☐	No ☐	NA ☑	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. Were all NH3/TKN/cyanide/BNA/pest/PCB/herb (<0.2 mg/L) and toxicity (<0.1 mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving.			
Sample(s)_____ were received with headspace >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.			
Toxicity sample(s)_____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.			

Corrective Action taken, if necessary:

Was client notified: Yes ☑ No ☐
Did client respond: Yes ☑ No ☐
Date of response: 10/26/04
SESI employee: PMC

Changed BH18a → BH11a per client request.

Comments:
* BH18a → labeled as 11a (no 11a listed), matched up w/ time on chain + logged in according to chain (-005).
* made screening vial for BH-34A (-01W)

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450.08**

Lot Number: **FF23030**

Date Completed: **07/04/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23030

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOCs-
The blanks analyzed on 6/28/04, 7/01/04 and 7/02/04 had several compounds detected at concentrations above the MDL, but below the PQL. All samples associated with these blanks, that had detections for the affected compounds have been flagged with a "B".
The CCV analyzed on 7/01/04 had the compound naphthalene recovered above the acceptance limits. There were no detections for napthalene in the samples associated with this CCV (-002 through -005), therefore no reanalysis was required.

GC/MS SVOCs-
The method blank for batch 16351 had the compound di-n-butylphathlate detected above the MDL, but below the PQL. All samples associated with this batch, that have detections for this compound have been flagged with a "B".

DRO-
There were unknown hydrocarbon patterns present in samples -001 through -005. The surrogates for samples -001and -002 were recovered marginally above the acceptance limits due to sample matrix.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23030

Sample Number	Sample ID	Matrix	Date Sampled
001	SPRING-01	Aqueous	06/22/2004 0850
002	SPRING-02	Aqueous	06/22/2004 0910
003	SPRING-03	Aqueous	06/22/2004 0930
004	SPRING-04	Aqueous	06/22/2004 0945
005	SW-05	Aqueous	06/22/2004 1000
006	TRIP BLANK-01	Aqueous	06/22/2004
007	TRIP BLANK-02	Aqueous	06/22/2004
008	TRIP BLANK-03	Aqueous	06/22/2004
009	TRIP BLANK-04	Aqueous	06/22/2004

(9 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23030

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SPRING-01	Aqueous	Benzene	8260B	25		ug/L	5
001	SPRING-01	Aqueous	1,1-Dichloroethane	8260B	8.3		ug/L	5
001	SPRING-01	Aqueous	1,1-Dichloroethene	8260B	3.9	J	ug/L	5
001	SPRING-01	Aqueous	cis-1,2-Dichloroethene	8260B	81		ug/L	5
001	SPRING-01	Aqueous	Ethylbenzene	8260B	19		ug/L	5
001	SPRING-01	Aqueous	Methylene chloride	8260B	2.5	BJ	ug/L	5
001	SPRING-01	Aqueous	Naphthalene	8260B	66	B	ug/L	5
001	SPRING-01	Aqueous	Toluene	8260B	5.6		ug/L	5
001	SPRING-01	Aqueous	1,1,1-Trichloroethane	8260B	56		ug/L	5
001	SPRING-01	Aqueous	Trichloroethene	8260B	420		ug/L	5
001	SPRING-01	Aqueous	Xylenes (total)	8260B	56		ug/L	5
001	SPRING-01	Aqueous	2-Methylnaphthalene	8270C	45		ug/L	7
001	SPRING-01	Aqueous	Naphthalene	8270C	14		ug/L	8
001	SPRING-01	Aqueous	TPH-DRO	8015B	14000		ug/L	10
002	SPRING-02	Aqueous	Benzene	8260B	38	J	ug/L	11
002	SPRING-02	Aqueous	1,1-Dichloroethene	8260B	90	J	ug/L	11
002	SPRING-02	Aqueous	cis-1,2-Dichloroethene	8260B	250		ug/L	11
002	SPRING-02	Aqueous	Ethylbenzene	8260B	42	J	ug/L	11
002	SPRING-02	Aqueous	Methylene chloride	8260B	74	BJ	ug/L	11
002	SPRING-02	Aqueous	Naphthalene	8260B	150	J	ug/L	11
002	SPRING-02	Aqueous	Toluene	8260B	10	J	ug/L	11
002	SPRING-02	Aqueous	1,1,1-Trichloroethane	8260B	540		ug/L	11
002	SPRING-02	Aqueous	Trichloroethene	8260B	22000		ug/L	11
002	SPRING-02	Aqueous	Xylenes (total)	8260B	180	J	ug/L	11
002	SPRING-02	Aqueous	2-Methylnaphthalene	8270C	170		ug/L	13
002	SPRING-02	Aqueous	Naphthalene	8270C	78		ug/L	14
002	SPRING-02	Aqueous	TPH-DRO	8015B	11000		ug/L	16
003	SPRING-03	Aqueous	Benzene	8260B	4.7	J	ug/L	17
003	SPRING-03	Aqueous	1,1-Dichloroethene	8260B	18	J	ug/L	17
003	SPRING-03	Aqueous	cis-1,2-Dichloroethene	8260B	4.7	J	ug/L	17
003	SPRING-03	Aqueous	Methylene chloride	8260B	22	BJ	ug/L	17
003	SPRING-03	Aqueous	Tetrachloroethene	8260B	5.9	J	ug/L	17
003	SPRING-03	Aqueous	Trichloroethene	8260B	8300		ug/L	17
003	SPRING-03	Aqueous	TPH-DRO	8015B	2500		ug/L	22
004	SPRING-04	Aqueous	Benzene	8260B	0.46	J	ug/L	23
004	SPRING-04	Aqueous	1,1-Dichloroethane	8260B	0.76	J	ug/L	23
004	SPRING-04	Aqueous	1,1-Dichloroethene	8260B	2.2	J	ug/L	23
004	SPRING-04	Aqueous	cis-1,2-Dichloroethene	8260B	450		ug/L	23
004	SPRING-04	Aqueous	trans-1,2-Dichloroethene	8260B	4.0	J	ug/L	23
004	SPRING-04	Aqueous	Methylene chloride	8260B	2.0	BJ	ug/L	23
004	SPRING-04	Aqueous	Naphthalene	8260B	1.3	J	ug/L	23
004	SPRING-04	Aqueous	Toluene	8260B	1.4	J	ug/L	23
004	SPRING-04	Aqueous	Trichloroethene	8260B	280		ug/L	23
004	SPRING-04	Aqueous	Vinyl chloride	8260B	15		ug/L	23

Executive Summary (Continued)

Lot Number: FF23030

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	SPRING-04	Aqueous	bis(2-Ethylhexyl)phthalate	8270C	3.5	J	ug/L	25
004	SPRING-04	Aqueous	TPH-DRO	8015B	1400		ug/L	28
005	SW-05	Aqueous	Benzene	8260B	0.61	J	ug/L	29
005	SW-05	Aqueous	1,1-Dichloroethane	8260B	0.62	J	ug/L	29
005	SW-05	Aqueous	1,1-Dichloroethene	8260B	1.4	J	ug/L	29
005	SW-05	Aqueous	cis-1,2-Dichloroethene	8260B	310		ug/L	29
005	SW-05	Aqueous	trans-1,2-Dichloroethene	8260B	2.3	J	ug/L	29
005	SW-05	Aqueous	Methylene chloride	8260B	0.92	BJ	ug/L	29
005	SW-05	Aqueous	Naphthalene	8260B	0.73	J	ug/L	29
005	SW-05	Aqueous	1,1,1-Trichloroethane	8260B	5.1		ug/L	29
005	SW-05	Aqueous	Trichloroethene	8260B	710		ug/L	29
005	SW-05	Aqueous	Vinyl chloride	8260B	1.6	J	ug/L	29
005	SW-05	Aqueous	Di-n-butyl phthalate	8270C	2.2	BJ	ug/L	31
005	SW-05	Aqueous	TPH-DRO	8015B	1200		ug/L	34
006	TRIP BLANK-01	Aqueous	2-Butanone (MEK)	8260B	3.2	BJ	ug/L	35
006	TRIP BLANK-01	Aqueous	Naphthalene	8260B	0.62	BJ	ug/L	35
007	TRIP BLANK-02	Aqueous	2-Butanone (MEK)	8260B	2.6	BJ	ug/L	37
008	TRIP BLANK-03	Aqueous	2-Butanone (MEK)	8260B	2.3	BJ	ug/L	39
009	TRIP BLANK-04	Aqueous	2-Butanone (MEK)	8260B	2.1	BJ	ug/L	41

(63 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-001**
Description: ***SPRING-01***
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0850**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/02/2004 2057	RZ		
2	5030B	8260B	10	07/01/2004 1621	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	**71-43-2**	**8260B**	**25**		**5.0**	**0.20**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**8.3**		**5.0**	**0.30**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**3.9**	**J**	**5.0**	**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**81**		**5.0**	**0.20**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**19**		**5.0**	**0.30**	**ug/L**	**1**
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**2.5**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**66**	**B**	**5.0**	**0.40**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	**108-88-3**	**8260B**	**5.6**		**5.0**	**0.20**	**ug/L**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**56**		**5.0**	**0.20**	**ug/L**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**420**		**50**	**3.0**	**ug/L**	**2**
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**56**		**5.0**	**0.50**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-001**
Description: **SPRING-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0850**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130		115	70-130
Bromofluorobenzene		102	70-130		122	70-130
Toluene-d8		100	70-130		112	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-001**

Description: **SPRING-01** Matrix: **Aqueous**

Date Sampled: **06/22/2004 0850**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2319	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.2	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.2	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.2	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.2	0.62	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.2	0.52	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.2	0.62	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.2	0.82	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.2	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.2	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.2	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.2	1.6	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.2	0.84	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.2	1.5	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.2	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.2	1.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.2	1.3	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.2	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.2	1.6	ug/L	1
Chrysene	218-01-9	8270C	ND		5.2	0.72	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.2	1.8	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.2	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.2	1.3	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.2	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.2	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.2	1.3	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.2	1.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.2	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.2	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.2	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.2	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.4	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	4.9	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	3.9	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.2	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.2	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.2	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.2	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.2	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.1	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.2	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.2	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.2	1.4	ug/L	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**45**		**5.2**	**1.5**	**ug/L**	**1**

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-001**

Description: **SPRING-01** Matrix: **Aqueous**

Date Sampled: **06/22/2004 0850**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2319	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.2	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.2	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.2	1.0	ug/L	1
Naphthalene	**91-20-3**	**8270C**	**14**		**5.2**	**1.3**	**ug/L**	**1**
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.3	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.2	1.6	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.3	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.2	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.2	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.2	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.2	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.2	1.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.2	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.2	1.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		96	30-130
2-Fluorobiphenyl		91	30-130
2-Fluorophenol		78	30-130
Nitrobenzene-d5		94	30-130
Phenol-d5		91	30-130
Terphenyl-d14		77	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-001**
Description: **SPRING-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0850**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 1940	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.25	0.050	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.25	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.25	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.25	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.25	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.25	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.25	0.060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		64	10-110
Tetrachloro-m-xylene		129	30-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = *Detected in the method blank*
J = Estimated result less than the PQL
E = *Quantitation of compound exceeded the calibration range*
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-001**
Description: **SPRING-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0850**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	2	07/02/2004 1348	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**14000**		**200**	**40**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		134	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-002**
Description: **SPRING-02**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0910**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	07/01/2004 1729	RED		
2	5030B	8260B	500	07/01/2004 1751	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	75	ug/L	1
Benzene	**71-43-2**	**8260B**	**38**	**J**	**250**	**10**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		250	10	ug/L	1
Bromoform	75-25-2	8260B	ND		250	20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	40	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	90	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	15	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	20	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	10	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	25	ug/L	1
Chloroform	67-66-3	8260B	ND		250	15	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	15	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	30	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	25	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	15	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	15	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	15	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	10	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	15	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**90**	**J**	**250**	**25**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**250**		**250**	**10**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	15	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	15	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**42**	**J**	**250**	**15**	**ug/L**	**1**
2-Hexanone	591-78-6	8260B	ND		500	50	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	40	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**74**	**BJ**	**250**	**15**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**150**	**J**	**250**	**20**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		250	5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	20	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		250	20	ug/L	1
Toluene	**108-88-3**	**8260B**	**10**	**J**	**250**	**10**	**ug/L**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**540**		**250**	**10**	**ug/L**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	15	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**22000**		**2500**	**150**	**ug/L**	**2**
Vinyl chloride	75-01-4	8260B	ND		100	5.0	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**180**	**J**	**250**	**25**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-002**
Description: **SPRING-02**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0910**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130		115	70-130
Bromofluorobenzene		116	70-130		118	70-130
Toluene-d8		110	70-130		112	70-130

= Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-002**

Description: **SPRING-02** Matrix: **Aqueous**

Date Sampled: **06/22/2004 0910**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2346	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.2	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.2	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.2	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.2	0.62	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.2	0.52	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.2	0.62	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.2	0.82	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.2	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.2	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.2	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.2	1.6	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.2	0.84	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.2	1.5	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.2	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.2	1.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.2	1.3	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.2	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.2	1.6	ug/L	1
Chrysene	218-01-9	8270C	ND		5.2	0.72	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.2	1.8	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.2	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.2	1.3	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.2	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.2	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.2	1.3	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.2	1.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.2	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.2	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.2	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.2	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.4	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	4.9	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	3.9	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.2	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.2	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.2	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.2	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.2	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.1	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.2	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.2	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.2	1.4	ug/L	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**170**		**5.2**	**1.5**	**ug/L**	**1**

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-002**
Description: **SPRING-02**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0910**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2346	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.2	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.2	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.2	1.0	ug/L	1
Naphthalene	**91-20-3**	**8270C**	**78**		**5.2**	**1.3**	**ug/L**	**1**
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.3	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.2	1.6	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.3	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.2	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.2	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.2	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.2	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.2	1.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.2	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.2	1.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		95	30-130
[illegible]orobiphenyl		92	30-130
2-Fluorophenol		85	30-130
Nitrobenzene-d5		103	30-130
Phenol-d5		99	30-130
Terphenyl-d14		100	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-002**
Description: **SPRING-02**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0910**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 1953	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.25	0.050	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.25	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.25	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.25	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.25	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.25	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.25	0.060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	10-110
Tetrachloro-m-xylene		134	30-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-002**
Description: **SPRING-02**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0910**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/01/2004 2033	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**11000**		**100**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		144	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-003**

Description: **SPRING-03** Matrix: **Aqueous**

Date Sampled: **06/22/2004 0930**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/01/2004 1644	RED		
2	5030B	8260B	100	07/01/2004 1706	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	15	ug/L	1
Benzene	**71-43-2**	**8260B**	**4.7**	**J**	**50**	**2.0**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		50	2.0	ug/L	1
Bromoform	75-25-2	8260B	ND		50	4.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	8.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	18	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	3.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	4.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	2.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		50	3.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	3.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	3.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	3.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	3.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	3.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**18**	**J**	**50**	**5.0**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**4.7**	**J**	**50**	**2.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		50	4.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	3.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	3.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	3.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	3.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	8.0	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**22**	**BJ**	**50**	**3.0**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		50	4.0	ug/L	1
Styrene	100-42-5	8260B	ND		50	1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	4.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**5.9**	**J**	**50**	**4.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		50	2.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**8300**		**500**	**30**	**ug/L**	**2**
Vinyl chloride	75-01-4	8260B	ND		20	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	5.0	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-003**
Description: **SPRING-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0930**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130		116	70-130
Bromofluorobenzene		120	70-130		115	70-130
Toluene-d8		113	70-130		108	70-130

= Practical quantitation limit
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-003**

Description: **SPRING-03** Matrix: **Aqueous**

Date Sampled: **06/22/2004 0930**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/02/2004 0012	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.1	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.1	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.1	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.1	0.61	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.1	0.51	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.1	0.61	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.1	0.82	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.1	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.1	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.0	ug/L	1
Carbazole	86-74-8	8270C	ND		5.1	1.7	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.1	1.6	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.1	0.83	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.1	1.5	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.1	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.1	1.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.1	1.3	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.1	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.1	1.6	ug/L	1
Chrysene	218-01-9	8270C	ND		5.1	0.71	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.1	1.7	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.1	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.1	1.3	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.1	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.1	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.1	1.3	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.1	1.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.6	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.1	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.1	1.9	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.1	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.1	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.3	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	4.9	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	3.9	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.1	1.7	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.1	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.1	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.1	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.1	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.1	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.1	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.1	2.3	ug/L	1
Isophorone	78-59-1	8270C	ND		5.1	1.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.1	1.5	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-003**
Description: **SPRING-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0930**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/02/2004 0012	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.1	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.1	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.1	1.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.1	1.3	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	2.1	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.3	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.1	1.6	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.2	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.2	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.1	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.1	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.1	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.1	1.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.1	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.1	1.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		81	30-130
2-Fluorobiphenyl		92	30-130
2-Fluorophenol		90	30-130
Nitrobenzene-d5		108	30-130
Phenol-d5		101	30-130
Terphenyl-d14		104	30-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-003**
Description: **SPRING-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0930**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 2006	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.25	0.050	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.25	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.25	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.25	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.25	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.25	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.25	0.060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		124	10-110
Tetrachloro-m-xylene		99	30-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-003**
Description: **SPRING-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0930**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/01/2004 2056	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	2500		100	20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		130	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/01/2004 1407	RED		
2	5030B	8260B	10	07/01/2004 1430	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.46**	**J**	**5.0**	**0.20**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.76**	**J**	**5.0**	**0.30**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**2.2**	**J**	**5.0**	**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**450**		**50**	**2.0**	**ug/L**	**2**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**4.0**	**J**	**5.0**	**0.40**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**2.0**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**1.3**	**J**	**5.0**	**0.40**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	**108-88-3**	**8260B**	**1.4**	**J**	**5.0**	**0.20**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**280**		**50**	**3.0**	**ug/L**	**2**
Vinyl chloride	**75-01-4**	**8260B**	**15**		**2.0**	**0.10**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130		108	70-130
Bromofluorobenzene		111	70-130		106	70-130
Toluene-d8		102	70-130		100	70-130

= Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/02/2004 0038	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.2	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.2	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.2	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.2	0.62	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.2	0.52	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.2	0.62	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.2	0.82	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.2	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.2	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.2	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.2	1.6	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.2	0.84	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.2	1.5	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.2	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.2	1.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.2	1.3	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.2	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.2	1.6	ug/L	1
Chrysene	218-01-9	8270C	ND		5.2	0.72	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.2	1.8	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.2	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.2	1.3	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.2	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.2	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.2	1.3	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.2	1.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.2	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.2	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.2	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.2	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.4	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	4.9	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	3.9	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	**117-81-7**	**8270C**	**3.5**	**J**	**5.2**	**1.8**	**ug/L**	**1**
Fluoranthene	206-44-0	8270C	ND		5.2	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.2	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.2	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.2	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.1	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.2	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.2	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.2	1.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.2	1.5	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/02/2004 0038	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.2	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.2	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.2	1.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.2	1.3	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.3	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.2	1.6	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.3	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.2	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.2	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.2	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.2	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.2	1.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.2	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.2	1.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		81	30-130
[illegible]orobiphenyl		95	30-130
2-Fluorophenol		91	30-130
Nitrobenzene-d5		114	30-130
Phenol-d5		104	30-130
Terphenyl-d14		72	30-130

[illegible] = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 2019	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.25	0.050	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.25	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.25	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.25	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.25	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.25	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.25	0.060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		56	10-110
Tetrachloro-m-xylene		85	30-120

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-004**
Description: **SPRING-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 0945**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/01/2004 2119	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**1400**		**100**	**20**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		110	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-005**

Description: **SW-05** Matrix: **Aqueous**

Date Sampled: **06/22/2004 1000**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/01/2004 1452	RED		
2	5030B	8260B	10	07/01/2004 1514	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.61**	**J**	**5.0**	**0.20**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.62**	**J**	**5.0**	**0.30**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**1.4**	**J**	**5.0**	**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**310**		**50**	**2.0**	**ug/L**	**2**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**2.3**	**J**	**5.0**	**0.40**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**0.92**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**0.73**	**J**	**5.0**	**0.40**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**5.1**		**5.0**	**0.20**	**ug/L**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**710**		**50**	**3.0**	**ug/L**	**2**
Vinyl chloride	**75-01-4**	**8260B**	**1.6**	**J**	**2.0**	**0.10**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-005**
Description: **SW-05**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 1000**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130		110	70-130
Bromofluorobenzene		105	70-130		106	70-130
Toluene-d8		96	70-130		100	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-005**

Description: **SW-05** Matrix: **Aqueous**

Date Sampled: **06/22/2004 1000**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/03/2004 1313	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.2	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.2	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.2	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.2	0.62	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.2	0.52	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.2	0.62	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.2	0.82	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.2	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.2	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.2	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.2	1.6	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.2	0.84	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.2	1.5	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.2	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.2	1.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.2	1.3	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.2	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.2	1.6	ug/L	1
Chrysene	218-01-9	8270C	ND		5.2	0.72	ug/L	1
Di-n-butyl phthalate	**84-74-2**	**8270C**	**2.2**	**BJ**	**5.2**	**1.8**	**ug/L**	**1**
Di-n-octylphthalate	117-84-0	8270C	ND		5.2	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.2	1.3	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.2	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.2	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.2	1.3	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.2	1.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.2	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.2	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.2	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.2	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.4	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	4.9	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	3.9	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.2	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.2	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.2	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.2	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.2	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.1	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.2	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.2	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.2	1.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.2	1.5	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-005**

Description: **SW-05** Matrix: **Aqueous**

Date Sampled: **06/22/2004 1000**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/03/2004 1313	DC	06/23/2004 1819	16351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.2	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.2	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.2	1.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.2	1.3	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.3	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.2	1.6	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.3	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.2	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.2	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.2	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.2	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.2	1.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.2	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.2	1.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		82	30-130
2-Fluorobiphenyl		84	30-130
2-Fluorophenol		76	30-130
Nitrobenzene-d5		105	30-130
Phenol-d5		88	30-130
Terphenyl-d14		82	30-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-005**
Description: **SW-05**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 1000**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 2032	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.25	0.050	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.25	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.25	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.25	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.25	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.25	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.25	0.060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		120	10-110
Tetrachloro-m-xylene		112	30-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-005**
Description: **SW-05**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 1000**
Date Received: **06/23/2004**

R	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/01/2004 2142	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**1200**		**100**	**21**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		128	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-006**
Description: **TRIP BLANK-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/28/2004 1452	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**3.2**	**BJ**	**10**	**1.8**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**0.62**	**BJ**	**5.0**	**0.40**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-006**
Description: **TRIP BLANK-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		111	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23030-007**

Description: **TRIP BLANK-02** Matrix: **Aqueous**

Date Sampled: **06/22/2004**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/28/2004 1515	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**2.6**	**BJ**	**10**	**1.8**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **TRIP BLANK-02**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Laboratory ID: **FF23030-007**
Matrix: **Aqueous**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		104	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-008**
Description: **TRIP BLANK-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/28/2004 1537	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**2.3**	**BJ**	**10**	**1.8**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-008**
Description: **TRIP BLANK-03**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-009**
Description: **TRIP BLANK-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/28/2004 1600	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**2.1**	**BJ**	**10**	**1.8**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23030-009**
Description: **TRIP BLANK-04**
Matrix: **Aqueous**
Date Sampled: **06/22/2004**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		102	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
100 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No (803) 791-9700 Fax No (803) 791-9111

Number 34717

Client: WMCTF-C
Address: 1327 Miller Rd
City: Greenville State: SC Zip Code: 29607
Project Name: Mills Gap Road Site
Project No.: 1690-03-9450.08
P.O. No.:
Report to Contact: Harry Harris
Sampler's Signature: Susan Kelly
Telephone No. / Fax No. / E-mail: 864-288-1716 / 864-297-7938
Page 1 of 1

Analysis (Attach separate sheet if more space is needed)

Sample ID / Description (Continue on each sample may be combined on one line)	Date	Time	Comp.	Grab	No. of Containers by Preservative Type	TCL VOCs (8260B)	TCL SVOCs (8270C)	TCL PCBs (8082)	TAL Metals (6020/7470)	Remarks / Cooler ID.
SPRING-01	4/22/09	850	G	✓	4	3	2	2	2	
SPRING-02	4/22/09	910	G	✓	4	3	2	2	2	
SPRING-03	4/22/09	930	G	✓	4	3	2	2	2	
SPRING-04	4/22/09	945	G	✓	4	3	2	2	2	
~~SW-04~~ SW-05	4/22/09	1000	G	✓	4	3	2	2	2	
TRIP BLANK-01	4/22/09			✓	2	2				cooler 1 of 4
TRIP BLANK-02	4/22/09			✓	2	2				cooler 2 of 4
TRIP BLANK-03	4/22/09			✓	2	2				cooler 3 of 4
TRIP BLANK-04	4/22/09			✓	2	2				cooler 4 of 4
~~TRIP BLANK-05~~	~~4/22/09~~	~~-0x~~		✓	2	2				

Lab No.: FF23030
Remarks / Cooler ID.

Possible Hazard Identification: Non Hazard / Flammable / Skin Irritant / Poison / Unknown

Sample Disposal: Return to Client / Disposed by Lab / Archived for 1 month

Note: All samples are retained for one month from receipt unless other arrangements are made.

Turnaround Time Required (Prior lab approval required for expedited TAT): Standard / Rush (Specify)

QC Requirements (Specify): LEVEL 4

Relinquished by	Date	Time	Received by	Date	Time
1. Harry Harris / Susan Kelly / WMCTFC	4/24/09	1620	1.		
2.			2.		
3. FedEx	4/23/09	0900	3.	4/23/09	0900

Comments:

LAB USE ONLY: Received on ice (Circle) Yes / No. Temp. 0°C

Receipt No. 54

DISTRIBUTION: WHITE & YELLOW (Original) to Laboratory with Sample(s); PINK Field Chain Copy

Document Number F-QA-012 Effective Date 06-01-07

Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
100 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34717

Client: MACTEC
Report to Contact: Harry Morris
Telephone No. / Fax No. / E-mail: 864-288-5116 / 864-297-7938
Quote No.:
Address: 1327 Miller Rd
Sample Signature: Susan Kelly
Matrix No.:
City: Greenville State: SC Zip Code: 29607
Printed Name: Susan Kelly
Page 1 of 1
Project Name: Mills Gap Road Site
Project No.: 6690-03-9450.08
PO No.:
Lab No.: FF23030
Sample ID / Description (Containers for each sample may be combined on one line): Date, Time, Matrix (Aqueous, Solid, Soil, Air), No. of Containers by Preservative Type (Cyanide, Metals, Volatile, Acid, Neutral, Other)
Analysis (Attach list if more space is needed): TCL VOCs (SW8260B), TCL SVOCs (8270C), TCL PCBs (8082), TPH-DRO (AK102)
Remarks / Cooler I.D.

Sample ID / Description	Date	Time	Aqueous	Solid	Soil	Air	Cyanide	Metals	Volatile	Acid	Neutral	Other	TCL VOCs (SW8260B)	TCL SVOCs (8270C)	TCL PCBs (8082)	TPH-DRO (AK102)	Remarks / Cooler I.D.
SPRING-01	4/24/09	850	6	✓			4			5			3	2	2	2	
SPRING-02	4/24/09	910	6	✓			4			5			3	2	2	2	
SPRING-03	4/24/09	930	6	✓			4			5			3	2	2	2	
SPRING-04	4/24/09	945	6	✓			4			5			3	2	2	2	
~~SW-04~~ SW-05	4/24/09	1000	6	✓			4			5			3	2	2	2	
TRIP BLANK-01	4/22/09			✓						2			2				cooler 1 of 4
TRIP BLANK-02	4/22/09			✓						2			2				cooler 2 of 4
TRIP BLANK-03	4/22/09			✓						2			2				cooler 3 of 4
TRIP BLANK-04	4/24/09			✓						2			2				cooler 4 of 4
~~TRIP BLANK-05~~	4/24/09	BK		✓						2			2				

Possible Hazard Identification: Non-Hazardous / Flammable / Skin Irritant / Poison / Unknown
Sample Disposal: Return to Client / Dispose by Lab
Note: All samples are returned to the client unless other arrangements are made.
Turnaround Time Required (Prior lab approval required for expedited TAT): Standard / Rush (Specify)
QC Requirements (Specify): LEVEL 4

	Date	Time		Date	Time
1. Relinquished by: Susan Kelly - MACTEC	4/24/09	1820	1. Received by:		
2. Relinquished by:			2. Received by:		
3. Relinquished by: FedEx	4/23/09	1900	3. Laboratory Received by: Slaughter	4/23/09	0900

Comments:
LAB USE ONLY: Samples on Ice (Circle) Yes / No. Temp. Rec'd: 5.4 °C

DISTRIBUTION: White & Yellow - Return to laboratory with Sample(s); Pink - Field Office Copy

Document Number: F-A2-002 Effective Date: 09-04-08

Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450.08**

Lot Number: **FF24012**

Date Completed: **07/20/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF24012

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOCs-
Sample -010 was diluted at 100X due to the high concentration of trichloroethene, which is a slightly higher dilution than necessary. A reanalysis at a lower dilution was not possible within the holding time, therefore the original analysis was reported.
Sample -009 was diluted at 50X due to the high concentration of target compounds. The surrogate toluene-d8 was recovered outside of the acceptance range as a result of this dilution.
The blanks analyzed on 6/29/04, 6/30/04 and 7/01/04 had several compounds detected at concentrations above the MDL, but below the PQL. All samples associated with these blanks, that had detections for the affected compounds have been flagged with a "B".
The CCV analyzed on 07/01/04 had the compound naphthalene recovered above the acceptance limits. There were no detections for naphthalene in the samples associated with this CCV, therefore no reanalysis was required.

GC/MS SVOCs-
The original extraction and analysis of sample -001 (DUP-01B) had a detection of 2-methylnaphthalene and trace detections of several other compounds. The original extraction and analysis of sample -003 (BH-15B) was ND for all compounds. During PM review the discrepancy between the duplicates was discovered. All other requested analyses had comparable results between -001 and -003. Both samples were re extracted for and reanalyzed for 8270C as a confirmation. The extraction of this confirmation analysis was performed outside of the holding time. Upon reanalysis, samples -001 and -003 were both ND for all compounds. This confirmed the results for the original analysis for -003. It is suspected that sample -001 was inadvertently switched with another sample in the prep batch. All samples in the batches will be re extracted and reanalyzed to confirm the results. Sample -001 was reported from the out of hold extraction, and sample -003 was reported from the original extraction which was within holding time.

DRO-
There were unknown hydrocarbon patterns present in samples -001, -003, -004, -006-008 and -010.
There was a diesel fuel pattern present in sample -009. Sample -009 was diluted at 20X due to the high concentration of target compounds. The surrogate was recovered outside of the acceptance limits as a result of this dilution.

PCB-
Sample -007 was re extracted and reanalyzed due to surrogate failures during the first analysis. The sample was re extracted within holding time and all of the surrogates were recovered within acceptance limits, therefore only the first analysis has been reported.

Inorganic Metals-
The method blank for prep batch #16410 had several analytes detected above the PQL. All samples associated with this blank have been flagged with a "B". Samples reported from this batch either have no detections for the associated analytes, or the sample detections are greater than 10X the method blank detection.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF24012

Sample Number	Sample ID	Matrix	Date Sampled
001	Dup-01B	Solid	06/23/2004 1300
002	Trip Blank-07	Aqueous	06/17/2004 1300
003	BH-15B	Solid	06/23/2004 1300
004	BH-15A	Solid	06/23/2004 1200
005	Trip Blank-08	Aqueous	06/16/2004 1545
006	BH-29A	Solid	06/23/2004 0845
007	BH-29B	Solid	06/23/2004 0915
008	BH-29C	Solid	06/23/2004 0930
009	BH-29D	Solid	06/23/2004 0955
010	TW-1	Aqueous	06/23/2004 1600
011	Trip Blank-09	Aqueous	06/23/2004 1115
012	Rinsate Blank-01	Aqueous	06/23/2004 1430

(12 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF24012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	Dup-01B	Solid	Acetone	8260B	400		ug/kg	6
001	Dup-01B	Solid	2-Butanone (MEK)	8260B	80		ug/kg	6
001	Dup-01B	Solid	2-Hexanone	8260B	9.2	J	ug/kg	6
001	Dup-01B	Solid	1,1,2-Trichloroethane	8260B	1.4	J	ug/kg	6
001	Dup-01B	Solid	Trichloroethene	8260B	11		ug/kg	6
001	Dup-01B	Solid	TPH-DRO	8015B	14000		ug/kg	12
001	Dup-01B	Solid	Aluminum	6010B	19000	B	mg/kg	13
001	Dup-01B	Solid	Arsenic	6010B	2.2		mg/kg	13
001	Dup-01B	Solid	Barium	6010B	130		mg/kg	13
001	Dup-01B	Solid	Chromium	6010B	18		mg/kg	13
001	Dup-01B	Solid	Cobalt	6010B	4.6		mg/kg	13
001	Dup-01B	Solid	Copper	6010B	9.9	B	mg/kg	13
001	Dup-01B	Solid	Iron	6010B	18000	B	mg/kg	13
001	Dup-01B	Solid	Lead	6010B	10	B	mg/kg	13
001	Dup-01B	Solid	Magnesium	6010B	4100		mg/kg	13
001	Dup-01B	Solid	Manganese	6010B	200	B	mg/kg	13
001	Dup-01B	Solid	Nickel	6010B	8.8		mg/kg	13
001	Dup-01B	Solid	Potassium	6010B	5900		mg/kg	13
001	Dup-01B	Solid	Sodium	6010B	160	BJ	mg/kg	13
001	Dup-01B	Solid	Thallium	6010B	8.3		mg/kg	13
001	Dup-01B	Solid	Vanadium	6010B	26		mg/kg	13
001	Dup-01B	Solid	Zinc	6010B	84	B	mg/kg	13
002	Trip Blank-07	Aqueous	Acetone	8260B	6.0	BJ	ug/L	14
003	BH-15B	Solid	Acetone	8260B	400		ug/kg	17
003	BH-15B	Solid	2-Butanone (MEK)	8260B	75		ug/kg	17
003	BH-15B	Solid	2-Hexanone	8260B	8.5	J	ug/kg	17
003	BH-15B	Solid	1,1,2-Trichloroethane	8260B	1.5	J	ug/kg	17
003	BH-15B	Solid	Trichloroethene	8260B	10		ug/kg	17
003	BH-15B	Solid	Di-n-butyl phthalate	8270C	67	J	ug/kg	19
003	BH-15B	Solid	TPH-DRO	8015B	20000		ug/kg	23
003	BH-15B	Solid	Aluminum	6010B	29000	B	mg/kg	24
003	BH-15B	Solid	Arsenic	6010B	3.9		mg/kg	24
003	BH-15B	Solid	Barium	6010B	170		mg/kg	24
003	BH-15B	Solid	Chromium	6010B	23		mg/kg	24
003	BH-15B	Solid	Cobalt	6010B	7.4	J	mg/kg	24
003	BH-15B	Solid	Copper	6010B	9.0	B	mg/kg	24
003	BH-15B	Solid	Iron	6010B	25000	B	mg/kg	24
003	BH-15B	Solid	Lead	6010B	18	B	mg/kg	24
003	BH-15B	Solid	Magnesium	6010B	5400		mg/kg	24
003	BH-15B	Solid	Manganese	6010B	430	B	mg/kg	24
003	BH-15B	Solid	Nickel	6010B	16		mg/kg	24
003	BH-15B	Solid	Potassium	6010B	8200		mg/kg	24
003	BH-15B	Solid	Thallium	6010B	13		mg/kg	24
003	BH-15B	Solid	Vanadium	6010B	36		mg/kg	24

Executive Summary (Continued)

Lot Number: FF24012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	BH-15B	Solid	Zinc	6010B	110	B	mg/kg	24
004	BH-15A	Solid	Acetone	8260B	110		ug/kg	25
004	BH-15A	Solid	2-Butanone (MEK)	8260B	25	B	ug/kg	25
004	BH-15A	Solid	2-Hexanone	8260B	2.2	J	ug/kg	25
004	BH-15A	Solid	Naphthalene	8260B	1.3	BJ	ug/kg	25
004	BH-15A	Solid	1,1,2-Trichloroethane	8260B	1.1	J	ug/kg	25
004	BH-15A	Solid	Trichloroethene	8260B	12		ug/kg	25
004	BH-15A	Solid	TPH-DRO	8015B	13000		ug/kg	30
005	Trip Blank-08	Aqueous	Acetone	8260B	3.7	BJ	ug/L	31
006	BH-29A	Solid	TPH-DRO	8015B	4000	J	ug/kg	38
007	BH-29B	Solid	Trichloroethene	8260B	18		ug/kg	39
007	BH-29B	Solid	TPH-DRO	8015B	4600		ug/kg	44
008	BH-29C	Solid	Trichloroethene	8260B	21		ug/kg	45
008	BH-29C	Solid	TPH-DRO	8015B	7400		ug/kg	50
009	BH-29D	Solid	2-Butanone (MEK)	8260B	180	J	ug/kg	51
009	BH-29D	Solid	Trichloroethene	8260B	960		ug/kg	51
009	BH-29D	Solid	Benzo(a)pyrene	8270C	68	J	ug/kg	53
009	BH-29D	Solid	2-Methylnaphthalene	8270C	830	J	ug/kg	54
009	BH-29D	Solid	Naphthalene	8270C	910		ug/kg	54
009	BH-29D	Solid	Phenanthrene	8270C	330	J	ug/kg	54
009	BH-29D	Solid	TPH-DRO	8015B	8600000		ug/kg	56
010	TW-1	Aqueous	Benzene	8260B	13	J	ug/L	57
010	TW-1	Aqueous	1,1-Dichloroethane	8260B	4.9	J	ug/L	57
010	TW-1	Aqueous	1,1-Dichloroethene	8260B	18	J	ug/L	57
010	TW-1	Aqueous	cis-1,2-Dichloroethene	8260B	10	J	ug/L	57
010	TW-1	Aqueous	Methylene chloride	8260B	14	BJ	ug/L	57
010	TW-1	Aqueous	Naphthalene	8260B	4.4	BJ	ug/L	57
010	TW-1	Aqueous	1,1,1-Trichloroethane	8260B	95		ug/L	57
010	TW-1	Aqueous	Trichloroethene	8260B	2500		ug/L	57
010	TW-1	Aqueous	Xylenes (total)	8260B	5.8	J	ug/L	57
010	TW-1	Aqueous	2-Methylnaphthalene	8270C	15		ug/L	59
010	TW-1	Aqueous	TPH-DRO	8015B	2800		ug/L	62
011	Trip Blank-09	Aqueous	Acetone	8260B	2.8	BJ	ug/L	63
012	Rinsate Blank-01	Aqueous	Acetone	8260B	5.4	BJ	ug/L	65

(78 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0856	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.67	0.067	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1546	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**400**		**27**	**2.4**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.8	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.8	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.8	0.96	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	2.4	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**80**		**14**	**3.3**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		6.8	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.8	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.8	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.8	0.86	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	0.93	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.8	1.5	ug/kg	1
2-Hexanone	**591-78-6**	**8260B**	**9.2**	**J**	**14**	**1.8**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.8	3.5	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.8	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.8	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	0.64	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.8	3.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.8	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.2	ug/kg	1
1,1,2-Trichloroethane	**79-00-5**	**8260B**	**1.4**	**J**	**6.8**	**1.1**	**ug/kg**	**1**
Trichloroethene	**79-01-6**	**8260B**	**11**		**6.8**	**2.6**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.8	4.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-001**

Description: **Dup-01B** Matrix: **Solid**

Date Sampled: **06/23/2004 1300** % Solids: **74.3** **06/24/2004 1900**

Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550B	8270C	1	07/20/2004 1844	DC	07/15/2004 1035	16922

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	13	ug/kg	2
Acenaphthylene	208-96-8	8270C	ND		430	17	ug/kg	2
Anthracene	120-12-7	8270C	ND		430	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270C	ND		430	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270C	ND		430	32	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	29	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	29	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	36	ug/kg	2
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	18	ug/kg	2
Butyl benzyl phthalate	85-68-7	8270C	ND		430	14	ug/kg	2
Carbazole	86-74-8	8270C	ND		430	13	ug/kg	2
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	24	ug/kg	2
4-Chloroaniline	106-47-8	8270C	ND		430	22	ug/kg	2
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	19	ug/kg	2
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	18	ug/kg	2
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	16	ug/kg	2
2-Chloronaphthalene	91-58-7	8270C	ND		430	21	ug/kg	2
2-Chlorophenol	95-57-8	8270C	ND		430	18	ug/kg	2
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	17	ug/kg	2
Chrysene	218-01-9	8270C	ND		430	14	ug/kg	2
[illegible]butyl phthalate	84-74-2	8270C	ND		430	58	ug/kg	2
[illegible]ctylphthalate	117-84-0	8270C	ND		430	52	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	29	ug/kg	2
Dibenzofuran	132-64-9	8270C	ND		430	17	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8270C	ND		430	15	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8270C	ND		430	17	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8270C	ND		430	19	ug/kg	2
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	74	ug/kg	2
2,4-Dichlorophenol	120-83-2	8270C	ND		430	18	ug/kg	2
Diethylphthalate	84-66-2	8270C	ND		430	16	ug/kg	2
Dimethyl phthalate	131-11-3	8270C	ND		430	12	ug/kg	2
2,4-Dimethylphenol	105-67-9	8270C	ND		430	22	ug/kg	2
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	50	ug/kg	2
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	8.6	ug/kg	2
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	32	ug/kg	2
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	38	ug/kg	2
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	27	ug/kg	2
Fluoranthene	206-44-0	8270C	ND		430	14	ug/kg	2
Fluorene	86-73-7	8270C	ND		430	17	ug/kg	2
Hexachlorobenzene	118-74-1	8270C	ND		430	17	ug/kg	2
Hexachlorobutadiene	87-68-3	8270C	ND		430	18	ug/kg	2
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	84	ug/kg	2
Hexachloroethane	67-72-1	8270C	ND		430	21	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	39	ug/kg	2
Isophorone	78-59-1	8270C	ND		430	20	ug/kg	2
2-Methylnaphthalene	91-57-6	8270C	ND		430	16	ug/kg	2

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550B	8270C	1	07/20/2004 1844	DC	07/15/2004 1035	16922

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		430	24	ug/kg	2
3 & 4-Methylphenol	106-44-5	8270C	ND		880	41	ug/kg	2
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	22	ug/kg	2
N-Nitrosodiphenylamine	86-30-6	8270C	ND		430	14	ug/kg	2
Naphthalene	91-20-3	8270C	ND		430	18	ug/kg	2
2-Nitroaniline	88-74-4	8270C	ND		430	30	ug/kg	2
3-Nitroaniline	99-09-2	8270C	ND		430	31	ug/kg	2
4-Nitroaniline	100-01-6	8270C	ND		430	26	ug/kg	2
Nitrobenzene	98-95-3	8270C	ND		430	20	ug/kg	2
2-Nitrophenol	88-75-5	8270C	ND		430	47	ug/kg	2
4-Nitrophenol	100-02-7	8270C	ND		1100	190	ug/kg	2
Pentachlorophenol	87-86-5	8270C	ND		1100	46	ug/kg	2
Phenanthrene	85-01-8	8270C	ND		430	18	ug/kg	2
Phenol	108-95-2	8270C	ND		430	21	ug/kg	2
Pyrene	129-00-0	8270C	ND		430	19	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		430	20	ug/kg	2
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	22	ug/kg	2
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	24	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		56	30-130		74	30-130
2-Fluorobiphenyl		52	30-130		75	30-130
2-Fluorophenol		59	30-130		81	30-130
Nitrobenzene-d5		60	30-130		77	30-130
Phenol-d5		55	30-130		76	30-130
Terphenyl-d14		62	30-130		95	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1419	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	3.6	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	6.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	4.0	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	4.0	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	4.0	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	1.3	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	0.83	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		166	50-130
Tetrachloro-m-xylene		104	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/11/2004 1146	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		2.3	0.46	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.3	0.52	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.3	0.40	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.3	0.43	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.3	0.48	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.3	0.39	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.3	0.32	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.3	0.34	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.3	0.43	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.3	0.38	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.3	0.44	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.3	0.46	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.3	0.34	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.3	0.31	ug/kg	1
Endrin	72-20-8	8081A	ND		2.3	0.44	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.3	0.40	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		2.3	0.30	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.3	0.52	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.3	0.42	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		9.0	1.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		77	50-130
Tetrachloro-m-xylene		58	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1105	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**14000**		**4400**	**770**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

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J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-001**
Description: **Dup-01B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **74.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	07/01/2004 1909	MNM	07/01/2004 1624	16577
1	3050B	6010B	2	06/29/2004 1838	FTS	06/25/2004 1758	16410
2	3050B	6010B	2	06/29/2004 1618	MNM	06/25/2004 1758	16410

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**19000**	**B**	**27**	**16**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.67	0.24	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**2.2**		**0.67**	**0.53**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**130**		**3.5**	**0.68**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.54	0.15	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.27	0.080	mg/kg	1
Calcium	7440-70-2	6010B	ND		670	120	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**18**		**0.67**	**0.30**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**4.6**		**3.5**	**0.65**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**9.9**	**B**	**0.67**	**0.57**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**18000**	**B**	**13**	**11**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**10**	**B**	**0.67**	**0.32**	**mg/kg**	**2**
Magnesium	**7439-95-4**	**6010B**	**4100**		**670**	**110**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**200**	**B**	**2.0**	**1.2**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	0.011	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**8.8**		**5.4**	**1.2**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**5900**		**670**	**140**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.67	0.64	mg/kg	2
Silver	7440-22-4	6010B	ND		0.67	0.39	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**160**	**BJ**	**670**	**150**	**mg/kg**	**1**
Thallium	**7440-28-0**	**6010B**	**8.3**		**1.3**	**1.2**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**26**		**6.7**	**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**84**	**B**	**6.7**	**3.0**	**mg/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-002**
Description: **Trip Blank-07**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/30/2004 1435	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.0**	**BJ**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-002**
Description: **Trip Blank-07**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0857	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.63	0.063	mg/kg	1

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1609	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**400**		**26**	**2.4**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.6	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	0.92	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	2.4	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**75**		**13**	**3.1**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		6.6	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	1.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	0.82	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	0.96	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	0.89	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	1.4	ug/kg	1
2-Hexanone	**591-78-6**	**8260B**	**8.5**	**J**	**13**	**1.7**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	3.4	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.6	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	0.62	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.6	3.0	ug/kg	1
Toluene	108-88-3	8260B	ND		6.6	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	1.1	ug/kg	1
1,1,2-Trichloroethane	**79-00-5**	**8260B**	**1.5**	**J**	**6.6**	**1.0**	**ug/kg**	**1**
Trichloroethene	**79-01-6**	**8260B**	**10**		**6.6**	**2.5**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		13	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	3.8	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		104	68-124

= Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-003**

Description: **BH-15B** Matrix: **Solid**

Date Sampled: **06/23/2004 1300** % Solids: **79.8** **06/24/2004 1900**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2017	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		410	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		410	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		410	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		410	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		410	30	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		410	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		410	28	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		410	34	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		410	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		410	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		410	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		410	23	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		410	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		410	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		410	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		410	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		410	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		410	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		410	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		410	13	ug/kg	1
Di-n-butyl phthalate	**84-74-2**	**8270C**	**67**	**J**	**410**	**54**	**ug/kg**	**1**
Di-n-octylphthalate	117-84-0	8270C	ND		410	49	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		410	27	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		410	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		410	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		410	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		410	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	70	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		410	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		410	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		410	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		410	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	47	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		410	30	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		410	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		410	26	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		410	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		410	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		410	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		410	17	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	79	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		410	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		410	37	ug/kg	1
Isophorone	78-59-1	8270C	ND		410	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		410	15	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2017	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		410	23	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		830	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		410	21	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		410	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		410	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		410	29	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		410	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		410	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		410	19	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		410	44	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	43	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		410	16	ug/kg	1
Phenol	108-95-2	8270C	ND		410	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		410	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		410	19	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		410	21	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		410	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		60	30-130		78	30-130
[illegible]orobiphenyl		43	30-130		74	30-130
2-Fluorophenol		52	30-130		80	30-130
Nitrobenzene-d5		49	30-130		76	30-130
Phenol-d5		47	30-130		79	30-130
Terphenyl-d14		102	30-130		92	30-0.0

[illegible] = Practical quantitation limit
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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1432	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.4	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.3	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.8	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.8	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.8	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.78	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		110	50-130
Tetrachloro-m-xylene		47	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: ***06/24/2004***

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/11/2004 1158	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	0.43	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	0.49	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	0.38	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	0.40	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	0.45	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	0.36	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	0.30	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	0.31	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	0.40	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	0.35	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	0.41	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	0.43	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	0.31	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	0.29	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	0.41	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	0.38	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		2.1	0.28	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	0.49	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	0.39	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.4	1.7	ug/kg	1
[illegible]phene	8001-35-2	8081A	ND		100	11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		71	50-130
Tetrachloro-m-xylene		35	50-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-003**
Description: **BH-15B**
Matrix: **Solid**
Date Sampled: **06/23/2004 1300**
% Solids: **79.8** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1127	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**20000**		**4000**	**700**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = *Quantitation of compound exceeded the calibration range*
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-003**

Description: **BH-15B** Matrix: **Solid**

Date Sampled: **06/23/2004 1300** % Solids: **79.8** **06/24/2004 1900**

Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	07/01/2004 1911	MNM	07/01/2004 1624	16577
1	3050B	6010B	5	06/29/2004 1844	FTS	06/25/2004 1758	16410
2	3050B	6010B	5	06/29/2004 1624	MNM	06/25/2004 1758	16410

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**29000**	**B**	**63**	**36**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.6	0.57	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.9**		**1.6**	**1.2**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**170**		**8.1**	**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.34	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.63	0.19	mg/kg	1
Calcium	7440-70-2	6010B	ND		1600	280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**23**		**1.6**	**0.70**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**7.4**	**J**	**8.1**	**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**9.0**	**B**	**1.6**	**1.3**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**25000**	**B**	**31**	**25**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**18**	**B**	**1.6**	**0.75**	**mg/kg**	**2**
Magnesium	**7439-95-4**	**6010B**	**5400**		**1600**	**250**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**430**	**B**	**4.7**	**2.8**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	0.010	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**16**		**12**	**2.7**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**8200**		**1600**	**320**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.6	1.5	mg/kg	2
[illegible]er	7440-22-4	6010B	ND		1.6	0.91	mg/kg	1
[illegible]um	7440-23-5	6010B	ND	B	1600	350	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**13**		**3.1**	**2.9**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**36**		**16**	**6.5**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**110**	**B**	**16**	**6.9**	**mg/kg**	**1**

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-004**
Description: **BH-15A**
Matrix: **Solid**
Date Sampled: **06/23/2004 1200**
% Solids: **91.4** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1631	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**110**		**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.77	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**25**	**B**	**11**	**2.6**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.92	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	0.70	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.94	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.81	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.84	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.75	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.91	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.2	ug/kg	1
2-Hexanone	**591-78-6**	**8260B**	**2.2**	**J**	**11**	**1.4**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.9	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**1.3**	**BJ**	**5.5**	**1.3**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.52	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.94	ug/kg	1
1,1,2-Trichloroethane	**79-00-5**	**8260B**	**1.1**	**J**	**5.5**	**0.87**	**ug/kg**	**1**
Trichloroethene	**79-01-6**	**8260B**	**12**		**5.5**	**2.1**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.95	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-15A**
Date Sampled: **06/23/2004 1200**
Date Received: **06/24/2004**

Laboratory ID: **FF24012-004**
Matrix: **Solid**
% Solids: **91.4** **06/24/2004 1900**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		95	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-004**

Description: **BH-15A** Matrix: **Solid**

Date Sampled: **06/23/2004 1200** % Solids: **91.4** **06/24/2004 1900**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2043	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	29	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	10	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		360	47	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		360	43	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	15	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		890	61	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	18	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		890	41	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		890	7.1	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	14	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		890	69	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-004**
Description: **BH-15A**
Matrix: **Solid**
Date Sampled: **06/23/2004 1200**
% Solids: **91.4** **06/24/2004 1900**
Date Received: **06/24/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2043	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		720	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	38	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		890	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		890	38	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	14	ug/kg	1
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	15	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		73	30-130
2-[illegible]luorobiphenyl		71	30-130
2-Fluorophenol		78	30-130
Nitrobenzene-d5		76	30-130
Phenol-d5		74	30-130
Terphenyl-d14		101	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-004**
Description: **BH-15A**
Matrix: **Solid**
Date Sampled: **06/23/2004 1200**
% Solids: **91.4** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1445	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.5	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.3	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.68	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-004**
Description: **BH-15A**
Matrix: **Solid**
Date Sampled: **06/23/2004 1200**
% Solids: **91.4** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1150	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**13000**		**3600**	**620**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		82	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-005**
Description: **Trip Blank-08**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1545**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/30/2004 1459	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.7**	**BJ**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-005**
Description: **Trip Blank-08**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1545**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		101	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-006**
Description: **BH-29A**
Matrix: **Solid**
Date Sampled: **06/23/2004 0845**
% Solids: **75.6** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1653	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	2.5	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.96	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	0.87	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.9	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.9	3.2	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-29A**
Date Sampled: **06/23/2004 0845**
Date Received: **06/24/2004**

Laboratory ID: **FF24012-006**
Matrix: **Solid**
% Solids: **75.6** **06/24/2004 1900**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		101	68-124

= Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-006**
Description: **BH-29A**
Matrix: **Solid**
Date Sampled: **06/23/2004 0845**
% Solids: **75.6** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2109	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	35	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	18	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	13	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	24	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	22	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	19	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	18	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	18	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	17	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	13	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		430	57	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		430	51	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	28	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	17	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		430	15	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		430	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		430	19	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	74	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	17	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	22	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	50	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	8.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	32	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	37	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	27	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	18	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	83	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	21	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	39	ug/kg	1
Isophorone	78-59-1	8270C	ND		430	20	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	15	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-006**
Description: **BH-29A**
Matrix: **Solid**
Date Sampled: **06/23/2004 0845**
% Solids: **75.6** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2109	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		430	24	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		870	40	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	22	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		430	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	18	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	30	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	31	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	25	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	20	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	46	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	45	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	17	ug/kg	1
Phenol	108-95-2	8270C	ND		430	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		430	20	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	22	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	24	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		56	30-130
2-[illegible]orobiphenyl		53	30-130
2-Fluorophenol		62	30-130
Nitrobenzene-d5		59	30-130
Phenol-d5		57	30-130
Terphenyl-d14		77	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-006**
Description: **BH-29A**
Matrix: **Solid**
Date Sampled: **06/23/2004 0845**
% Solids: **75.6** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1459	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	3.6	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	6.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	4.0	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	4.0	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	4.0	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	1.3	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	0.82	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		92	50-130
Tetrachloro-m-xylene		58	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-006**
Description: **BH-29A**
Matrix: **Solid**
Date Sampled: **06/23/2004 0845**
% Solids: **75.6** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1213	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4000**	**J**	**4300**	**740**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-007**
Description: **BH-29B**
Matrix: **Solid**
Date Sampled: **06/23/2004 0915**
% Solids: **83.5** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1716	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	2.1	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	0.99	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	0.75	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.87	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	0.91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.98	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	3.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.0	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.0	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	0.94	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**18**		**6.0**	**2.3**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	3.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-007**
Description: **BH-29B**
Matrix: **Solid**
Date Sampled: **06/23/2004 0915**
% Solids: **83.5 06/24/2004 1900**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		93	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-007**

Description: **BH-29B** Matrix: **Solid**

Date Sampled: **06/23/2004 0915** % Solids: **83.5 06/24/2004 1900**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2135	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-007**
Description: **BH-29B**
Matrix: **Solid**
Date Sampled: **06/23/2004 0915**
% Solids: **83.5** **06/24/2004 1900**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/05/2004 2135	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		52	30-130
2-Fluorobiphenyl		57	30-130
2-Fluorophenol		61	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		55	30-130
Terphenyl-d14		69	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-007**
Description: **BH-29B**
Matrix: **Solid**
Date Sampled: **06/23/2004 0915**
% Solids: **83.5** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/08/2004 1258	MTR	07/07/2004 1205	16692

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.9	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.74	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		74	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-007**
Description: **BH-29B**
Matrix: **Solid**
Date Sampled: **06/23/2004 0915**
% Solids: **83.5** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1236	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4600**		**3900**	**680**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-008**

Description: **BH-29C** Matrix: **Solid**

Date Sampled: **06/23/2004 0930** % Solids: **81.9** **06/24/2004 1900**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/30/2004 1739	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	2.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.1	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	0.85	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	0.77	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	0.89	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	0.92	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	0.83	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	3.2	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.1	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	0.57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.1	2.8	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	0.96	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**21**		**6.1**	**2.3**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	3.5	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-008**
Description: **BH-29C**
Matrix: **Solid**
Date Sampled: **06/23/2004 0930**
% Solids: **81.9 06/24/2004 1900**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		90	47-138
Toluene-d8		92	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-008**
Description: **BH-29C**
Matrix: **Solid**
Date Sampled: **06/23/2004 0930**
% Solids: **81.9** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1306	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	33	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	53	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	48	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	27	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		400	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		400	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		400	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	69	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	47	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	30	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	78	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		400	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	14	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-008**
Description: **BH-29C**
Matrix: **Solid**
Date Sampled: **06/23/2004 0930**
% Solids: **81.9** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1306	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		400	23	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		820	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		400	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	43	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	16	ug/kg	1
Phenol	108-95-2	8270C	ND		400	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		400	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	21	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		47	30-130
2-Fluorobiphenyl		51	30-130
2-Fluorophenol		57	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		53	30-130
Terphenyl-d14		65	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-008**
Description: **BH-29C**
Matrix: **Solid**
Date Sampled: **06/23/2004 0930**
% Solids: **81.9** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1525	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.3	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.1	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.7	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.7	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.7	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.76	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		139	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-008**
Description: **BH-29C**
Matrix: **Solid**
Date Sampled: **06/23/2004 0930**
% Solids: **81.9** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1259	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**7400**		**3900**	**680**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		71	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-009**
Description: **BH-29D**
Matrix: **Solid**
Date Sampled: **06/23/2004 0955**
% Solids: **87.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	50	06/30/2004 1439	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	93	ug/kg	1
Benzene	71-43-2	8260B	ND		260	57	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		260	57	ug/kg	1
Bromoform	75-25-2	8260B	ND		260	36	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		260	93	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**180**	**J**	**520**	**120**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		260	67	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		260	93	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		260	78	ug/kg	1
Chloroethane	75-00-3	8260B	ND		260	67	ug/kg	1
Chloroform	67-66-3	8260B	ND		260	43	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		260	52	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		260	78	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		260	32	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		260	44	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		260	48	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		260	67	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		260	78	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		260	38	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		260	52	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		260	88	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		260	39	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		260	78	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		260	47	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		260	35	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		260	42	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		260	57	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		520	67	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		260	21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		520	78	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		260	130	ug/kg	1
Naphthalene	91-20-3	8260B	ND		260	62	ug/kg	1
Styrene	100-42-5	8260B	ND		260	57	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		260	24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		260	120	ug/kg	1
Toluene	108-88-3	8260B	ND		260	72	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		260	44	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		260	41	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**960**		**260**	**98**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		520	44	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		260	150	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-009**
Description: **BH-29D**
Matrix: **Solid**
Date Sampled: **06/23/2004 0955**
% Solids: **87.3** **06/24/2004 1900**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		64	53-142
Bromofluorobenzene		66	47-138
Toluene-d8		66	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-009**

Description: **BH-29D** Matrix: **Solid**

Date Sampled: **06/23/2004 0955** % Solids: **87.3 06/24/2004 1900**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1413	DC	06/24/2004 1653	16374
2	3550B	8270C	10	07/07/2004 1022	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	**50-32-8**	**8270C**	**68**	**J**	**380**	**27**	**ug/kg**	**1**
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	7.5	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	73	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-009**
Description: **BH-29D**
Matrix: **Solid**
Date Sampled: **06/23/2004 0955**
% Solids: **87.3** **06/24/2004 1900**
Date Received: **06/24/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1413	DC	06/24/2004 1653	16374
2	3550B	8270C	10	07/07/2004 1022	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylnaphthalene	**91-57-6**	**8270C**	**830**	**J**	**3800**	**140**	**ug/kg**	**2**
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	**91-20-3**	**8270C**	**910**		**380**	**16**	**ug/kg**	**1**
2-Nitroaniline	88-74-4	8270C	ND		380	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	40	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**330**	**J**	**3800**	**150**	**ug/kg**	**2**
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

[illegible]ogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		100	30-130		190	30-130
2-Fluorobiphenyl		63	30-130		75	30-130
2-Fluorophenol		78	30-130		88	30-130
Nitrobenzene-d5		90	30-130		104	30-130
Phenol-d5		74	30-130		80	30-130
Terphenyl-d14		116	30-130		116	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-009**
Description: **BH-29D**
Matrix: **Solid**
Date Sampled: **06/23/2004 0955**
% Solids: **87.3** **06/24/2004 1900**
Date Received: ***06/24/2004***

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1538	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		138	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-29D**
Date Sampled: **06/23/2004 0955**
Date Received: **06/24/2004**

Laboratory ID: **FF24012-009**
Matrix: **Solid**
% Solids: **87.3** **06/24/2004 1900**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	20	07/01/2004 1357	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	8600000		75000	13000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		698	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-010**
Description: **TW-1**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1600**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/01/2004 1814	RED		
2	5030B	8260B	100	07/01/2004 1836	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	15	ug/L	1
Benzene	**71-43-2**	**8260B**	**13**	**J**	**50**	**2.0**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		50	2.0	ug/L	1
Bromoform	75-25-2	8260B	ND		50	4.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	8.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	18	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	3.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	4.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	2.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		50	3.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	3.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	3.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	3.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	3.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	2.0	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**4.9**	**J**	**50**	**3.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**18**	**J**	**50**	**5.0**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**10**	**J**	**50**	**2.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		50	4.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	3.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	3.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	3.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	3.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	10	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	8.0	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**14**	**BJ**	**50**	**3.0**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**4.4**	**BJ**	**50**	**4.0**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		50	1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	4.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		50	4.0	ug/L	1
Toluene	108-88-3	8260B	ND		50	2.0	ug/L	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**95**		**50**	**2.0**	**ug/L**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**2500**		**500**	**30**	**ug/L**	**2**
Vinyl chloride	75-01-4	8260B	ND		20	1.0	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**5.8**	**J**	**50**	**5.0**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-010**
Description: **TW-1**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1600**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130		114	70-130
Bromofluorobenzene		113	70-130		110	70-130
Toluene-d8		109	70-130		107	70-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF24012-010**

Description: **TW-1** Matrix: **Aqueous**

Date Sampled: **06/23/2004 1600**

Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/03/2004 1340	DC	06/28/2004 1056	16439

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.3	1.3	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.3	1.3	ug/L	1
Anthracene	120-12-7	8270C	ND		5.3	1.2	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.3	0.63	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.3	0.53	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.3	0.63	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.3	0.84	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.3	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.3	1.3	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.3	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.3	1.7	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.3	0.85	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.3	1.6	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.3	1.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.3	1.4	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.3	1.4	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.3	1.5	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.3	1.7	ug/L	1
Chrysene	218-01-9	8270C	ND		5.3	0.74	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.3	1.8	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.3	1.3	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.3	1.4	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.3	1.3	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.3	1.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.3	1.4	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.3	1.4	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.3	1.3	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.3	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.3	1.5	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.3	1.5	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.5	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	5.0	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	4.0	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.6	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.3	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.3	1.5	ug/L	1
Fluorene	86-73-7	8270C	ND		5.3	1.5	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.3	1.3	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.3	1.5	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.2	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.3	1.3	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.3	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.3	1.5	ug/L	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**15**		**5.3**	**1.6**	**ug/L**	**1**

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-010**
Description: **TW-1**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1600**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/03/2004 1340	DC	06/28/2004 1056	16439

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.3	1.2	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.3	1.5	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.3	1.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.3	1.4	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.2	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.4	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.3	1.7	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.5	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.4	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.3	1.3	ug/L	1
Phenol	108-95-2	8270C	ND		5.3	1.3	ug/L	1
Pyrene	129-00-0	8270C	ND		5.3	3.3	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.3	1.4	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.3	1.3	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.3	1.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		95	30-130
2-Fluorobiphenyl		92	30-130
2-Fluorophenol		77	30-130
Nitrobenzene-d5		110	30-130
Phenol-d5		86	30-130
Terphenyl-d14		58	30-130

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-010**
Description: **TW-1**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1600**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/02/2004 2045	MTR	06/27/2004 1037	16429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.26	0.051	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.26	0.14	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.26	0.20	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.26	0.14	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.26	0.15	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.26	0.11	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.26	0.061	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		37	10-110
Tetrachloro-m-xylene		84	30-120

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-010**
Description: **TW-1**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1600**
Date Received: **06/24/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/01/2004 2205	MTR	06/27/2004 1349	16432

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**2800**		**100**	**21**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		106	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-011**
Description: **Trip Blank-09**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1115**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/30/2004 1522	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.8**	**BJ**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

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ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-011**
Description: **Trip Blank-09**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1115**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		100	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-012**
Description: **Rinsate Blank-01**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1430**
Date Received: **06/24/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/30/2004 1546	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**5.4**	**BJ**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF24012-012**
Description: **Rinsate Blank-01**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1430**
Date Received: **06/24/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
105 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34718

Client: WATEC
Address: 1327 Miller Rd. Suite A
City: Greenville | State: SC | Zip Code: 29607
Project Name: Mills Gap Rd Site
Project No: 6690-03-9450.08
P.O. No.:
Sampler's Signature: Susan Kelly
Printed Name: Susan Kelly
Telephone No. / Fax No. / Email: 864-288-5716/864-247-7938
Quote No.:
Work Order No.:
Page 2 of 2
Analysis (Attach list if more space is needed.)
Lab No.: FF24012

Sample ID / Description (Continue for each sample may be combined on one line.)	Date	Time	Composite	Grab	Matrix: Soil	Matrix: Water	Matrix: Other	No. of Containers by Preservative Type: Unpres.	HCl	HNO3	H2SO4	NaOH	ZnAc/NaOH	Analysis: BTX VOCs	Remarks / Cooler I.D.
TRIP BLANK-001	4/23/01			✓							2			2	cooler 3 of 3
RINSATE BLANK-01	4/23/01			✓							3			3	cooler 3 of 3

Hazard Identification: Non-Hazard / Flammable / Skin Irritant / Poison / Unknown
Sample Disposal: Return to Client / ✓ Dispose by Lab (A fee may be assessed if samples are retained longer than 60 days.)
Note: All analytical reports will be sent to the client unless other arrangements are made.
Turn Around Time Requested (Prior lab approval may be required for expedited TAT): Standard / Rush (Specify)
QC Requirements (Specify): Water Level 4

Relinquished by	Date	Time	Received by	Date	Time
1. Harry Morris-WATEC	4/23/01	1830	1.		
2.			2.		
3. Fedex			3. Lab Courier: T.M. Shealy	10/24/01	0815

Comments:
LAB USE ONLY: Received on Ice (Circle) Yes / No. Ice Pack
Received Temp. 2.8 °C
1.1.4.3

DISTRIBUTION: WHITE & YELLOW Return to client along with Sample(s); PINK Client Copy

Document Number F-03-012 Effective Date 05-01-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34797

Client: WASTEC
Address: 527 Miller Rd - Suite A
City: Greenville State: SC Zip Code: 29607
Project Name: Mills Gap Road Site
Project No.: 1690-03-9150.08
Sampler's Signature: Dmanly
Project Manager: Harry Morris
Sampler's Name: Susan Lilly
Telephone No. / Fax No. / E-mail: 864-288-5116 / 864-297-7938
Page 1 of 2

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Composite	Grab	Soil	Aqueous	Oil	Other	Preservative	No. of Containers by Preservative Type														Lab No. (Laboratory Use Only)
										Pesticides	VOCs	SVOCs	TPH-DRO	TPH-GRO	Cd	Pb	Cr	TPH-MRO						
DUP-01B	4/23/04	1300		✓			6			4	1	1	1	4	1	1	1	1						cooler 1 of 3
TRIP BLANK-07				✓					2					2										cooler 1
BH-15B	4/23/04	1300		✓			6			4	1	1	1	4	1	1	1	1						cooler 1
BH-15A	4/23/04	1200		✓			6			1		1	1	4		1								cooler 1
TRIP BLANK-08			✓						2					2										cooler 2
BH-29A	4/23/04	845		✓			6			1		1	1	4		1								cooler 2
BH-29B	4/23/04	915		✓			6			1		1	1	4		1								cooler 2
BH-29C	4/23/04	930		✓			6			1		1	1	4		1								cooler 2
BH-29D	4/23/04	955		✓			6			1		1	1	4		1								cooler 2
TW-1	4/23/04	1600		✓								2	2	3		2								cooler 3

Possible Hazard Identification: Non Hazard / Flammable / Skin Irritant / Poison / Unknown

Sample Disposal: Return to Client / Disposed by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT): Standard / Rush (Specify)

QC Requirements (Specify): LEVEL 4 - water ; LEVEL 3 - soil

Relinquished by	Date	Time	Received by	Date	Time
1. Harry Morris - WASTEC	4/23/04	1830	1.		
2.			2.		
3. FedEx			3. M. Shae Watts	4/24/04	0845

Comments:

LAB USE ONLY: Received on ice (Circle) Yes / No. Ice Pack

Receipt Temp. 2.8 °C

DISTRIBUTION: WHITE & YELLOW - Return to laboratory with Samples; PINK - FIELD Client Copy

Document Number: FM-QA-C2 Effective Date: 03-01-03

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450.08**

Lot Number: **FF25012**

Date Completed: **07/14/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF25012

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOC-
Sample -013 was diluted at 5000X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits as a result of this dilution.

GC/MS SVOC-
The MS/MSD for sample -013 was analyzed at 10X dilution due to the presence of a hydrocarbon envelope. As a result of this dilution several compounds were recovered outside of the acceptance limits.The LCS had all compounds recovered within the acceptance limits, therefore no reanalysis was required.

DRO-
There were unknown hydrocarbon patterns present in samples -003 through -007, -012 through -014, -016 through -018.
There was a diesel fuel pattern present in samples -008, -011and -013. Samples -011 and -013 were diluted greater than 5X due to the high concentrations of target compounds. The surrogates were recovered outside of the acceptance limits as a result of these dilutions.

Pesticides-
Sample -013 was diluted at 10X due to a matrix interference with the baseline resolution.

PCB-
Sample -007 had the surrogates recovered below the acceptance limits due to an observed sample matrix interference.

Inorganic Metals-
The method blank for prep batch #16410 had several analytes detected above the PQL. All samples associated with this blank have been flagged with a "B". Samples reported from this batch either have no detections for the associated analytes, or the sample detections are greater than 10X the method blank detection.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF25012

Sample Number	Sample ID	Matrix	Date Sampled
001	FB-03	Aqueous	06/23/2004 1200
002	RB-02	Aqueous	06/24/2004 1315
003	BH-16B	Solid	06/24/2004 1030
004	BH-13B	Solid	06/24/2004 1200
005	BH-16A	Solid	06/24/2004 1015
006	BH-13A	Solid	06/24/2004 1130
007	BH-17A	Solid	06/24/2004 0845
008	BH-17B	Solid	06/24/2004 0915
009	Trip Blank-10	Aqueous	06/17/2004 1300
010	FB-02	Aqueous	06/24/2004 0930
011	BH-32A	Solid	06/24/2004 1630
012	BH-33A	Solid	06/24/2004 1610
013	BH-34B	Solid	06/24/2004 1530
014	DUP-02	Solid	06/24/2004 1530
015	Trip Blank-11	Aqueous	06/17/2004 1300
016	BH-34A	Solid	06/24/2004 1515
017	BH-18B	Solid	06/24/2004 1445
018	BH-18A	Solid	06/24/2004 1420
019	Trip Blank-12	Aqueous	06/16/2004 1545

(19 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF25012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	FB-03	Aqueous	Acetone	8260B	4.0	J	ug/L	5
002	RB-02	Aqueous	Acetone	8260B	3.7	J	ug/L	7
003	BH-16B	Solid	Toluene	8260B	2.2	J	ug/kg	9
003	BH-16B	Solid	Trichloroethene	8260B	68		ug/kg	9
003	BH-16B	Solid	TPH-DRO	8015B	2200	J	ug/kg	14
004	BH-13B	Solid	Toluene	8260B	2.8	J	ug/kg	15
004	BH-13B	Solid	Trichloroethene	8260B	36		ug/kg	15
004	BH-13B	Solid	TPH-DRO	8015B	4000		ug/kg	20
005	BH-16A	Solid	Toluene	8260B	3.0	J	ug/kg	21
005	BH-16A	Solid	1,1,2-Trichloroethane	8260B	2.4	J	ug/kg	21
005	BH-16A	Solid	Trichloroethene	8260B	180		ug/kg	21
005	BH-16A	Solid	Di-n-butyl phthalate	8270C	71	J	ug/kg	23
005	BH-16A	Solid	TPH-DRO	8015B	4700		ug/kg	26
006	BH-13A	Solid	Tetrachloroethene	8260B	3.5	J	ug/kg	27
006	BH-13A	Solid	Trichloroethene	8260B	1400		ug/kg	27
006	BH-13A	Solid	Fluoranthene	8270C	50	J	ug/kg	29
006	BH-13A	Solid	Pyrene	8270C	46	J	ug/kg	30
006	BH-13A	Solid	TPH-DRO	8015B	7000		ug/kg	32
007	BH-17A	Solid	Acetone	8260B	8.5	J	ug/kg	34
007	BH-17A	Solid	Naphthalene	8260B	8.3		ug/kg	34
007	BH-17A	Solid	Trichloroethene	8260B	120		ug/kg	34
007	BH-17A	Solid	4,4'-DDT	8081A	1.8	J	ug/kg	39
007	BH-17A	Solid	TPH-DRO	8015B	37000		ug/kg	40
007	BH-17A	Solid	Aluminum	6010B	55000	B	mg/kg	41
007	BH-17A	Solid	Arsenic	6010B	2.5		mg/kg	41
007	BH-17A	Solid	Barium	6010B	170		mg/kg	41
007	BH-17A	Solid	Calcium	6010B	1300	J	mg/kg	41
007	BH-17A	Solid	Chromium	6010B	27		mg/kg	41
007	BH-17A	Solid	Cobalt	6010B	12		mg/kg	41
007	BH-17A	Solid	Copper	6010B	7.8	B	mg/kg	41
007	BH-17A	Solid	Iron	6010B	32000	B	mg/kg	41
007	BH-17A	Solid	Lead	6010B	18	B	mg/kg	41
007	BH-17A	Solid	Magnesium	6010B	5100		mg/kg	41
007	BH-17A	Solid	Manganese	6010B	670	B	mg/kg	41
007	BH-17A	Solid	Nickel	6010B	35		mg/kg	41
007	BH-17A	Solid	Potassium	6010B	6900		mg/kg	41
007	BH-17A	Solid	Thallium	6010B	11		mg/kg	41
007	BH-17A	Solid	Vanadium	6010B	48		mg/kg	41
007	BH-17A	Solid	Zinc	6010B	120	B	mg/kg	41
008	BH-17B	Solid	Acetone	8260B	8.3	J	ug/kg	42
008	BH-17B	Solid	Naphthalene	8260B	6.6		ug/kg	42
008	BH-17B	Solid	Toluene	8260B	1.9	J	ug/kg	42
008	BH-17B	Solid	Trichloroethene	8260B	190		ug/kg	42
008	BH-17B	Solid	Phenanthrene	8270C	37	J	ug/kg	45

Executive Summary (Continued)

Lot Number: FF25012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	BH-17B	Solid	TPH-DRO	8015B	30000		ug/kg	47
009	Trip Blank-10	Aqueous	Acetone	8260B	6.3	J	ug/L	48
010	FB-02	Aqueous	Acetone	8260B	4.2	J	ug/L	50
011	BH-32A	Solid	Acetone	8260B	5.2	J	ug/kg	52
011	BH-32A	Solid	Benzene	8260B	4.1	J	ug/kg	52
011	BH-32A	Solid	cis-1,2-Dichloroethene	8260B	20		ug/kg	52
011	BH-32A	Solid	Ethylbenzene	8260B	82		ug/kg	52
011	BH-32A	Solid	2-Hexanone	8260B	120		ug/kg	52
011	BH-32A	Solid	Naphthalene	8260B	11		ug/kg	52
011	BH-32A	Solid	Tetrachloroethene	8260B	1100		ug/kg	52
011	BH-32A	Solid	Toluene	8260B	37		ug/kg	52
011	BH-32A	Solid	1,1,1-Trichloroethane	8260B	900		ug/kg	52
011	BH-32A	Solid	Trichloroethene	8260B	9100		ug/kg	52
011	BH-32A	Solid	Xylenes (total)	8260B	250		ug/kg	52
011	BH-32A	Solid	TPH-DRO	8015B	4500000		ug/kg	57
012	BH-33A	Solid	Toluene	8260B	3.0	J	ug/kg	58
012	BH-33A	Solid	Trichloroethene	8260B	3.8	J	ug/kg	58
012	BH-33A	Solid	TPH-DRO	8015B	4100		ug/kg	63
013	BH-34B	Solid	Carbon tetrachloride	8260B	4500		ug/kg	65
013	BH-34B	Solid	Ethylbenzene	8260B	3700		ug/kg	65
013	BH-34B	Solid	Methylene chloride	8260B	1600	J	ug/kg	65
013	BH-34B	Solid	Naphthalene	8260B	3000		ug/kg	65
013	BH-34B	Solid	Styrene	8260B	2700	J	ug/kg	65
013	BH-34B	Solid	Tetrachloroethene	8260B	4800		ug/kg	65
013	BH-34B	Solid	Toluene	8260B	1200	J	ug/kg	65
013	BH-34B	Solid	1,1,1-Trichloroethane	8260B	30000		ug/kg	65
013	BH-34B	Solid	Trichloroethene	8260B	440000		ug/kg	65
013	BH-34B	Solid	Xylenes (total)	8260B	10000		ug/kg	65
013	BH-34B	Solid	Fluorene	8270C	140	J	ug/kg	67
013	BH-34B	Solid	2-Methylnaphthalene	8270C	27000		ug/kg	68
013	BH-34B	Solid	Phenanthrene	8270C	7700		ug/kg	68
013	BH-34B	Solid	TPH-DRO	8015B	14000000		ug/kg	71
013	BH-34B	Solid	Aluminum	6010B	33000	B	mg/kg	72
013	BH-34B	Solid	Barium	6010B	220		mg/kg	72
013	BH-34B	Solid	Chromium	6010B	24		mg/kg	72
013	BH-34B	Solid	Cobalt	6010B	8.7		mg/kg	72
013	BH-34B	Solid	Copper	6010B	3.0	B	mg/kg	72
013	BH-34B	Solid	Iron	6010B	24000	B	mg/kg	72
013	BH-34B	Solid	Lead	6010B	5.6		mg/kg	72
013	BH-34B	Solid	Magnesium	6010B	5800		mg/kg	72
013	BH-34B	Solid	Manganese	6010B	400	B	mg/kg	72
013	BH-34B	Solid	Nickel	6010B	12		mg/kg	72
013	BH-34B	Solid	Potassium	6010B	9100		mg/kg	72
013	BH-34B	Solid	Thallium	6010B	24		mg/kg	72
013	BH-34B	Solid	Vanadium	6010B	35		mg/kg	72
013	BH-34B	Solid	Zinc	6010B	56		mg/kg	72
014	DUP-02	Solid	Toluene	8260B	2.2	J	ug/kg	73
014	DUP-02	Solid	1,1,1-Trichloroethane	8260B	1.0	J	ug/kg	73

Executive Summary (Continued)

Lot Number: FF25012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
014	DUP-02	Solid	Trichloroethene	8260B	10		ug/kg	73
014	DUP-02	Solid	TPH-DRO	8015B	100000		ug/kg	78
015	Trip Blank-11	Aqueous	Acetone	8260B	5.6	J	ug/L	79
016	BH-34A	Solid	Toluene	8260B	2.1	J	ug/kg	81
016	BH-34A	Solid	Trichloroethene	8260B	4.8	J	ug/kg	81
016	BH-34A	Solid	TPH-DRO	8015B	220000		ug/kg	86
017	BH-18B	Solid	Trichloroethene	8260B	18		ug/kg	88
017	BH-18B	Solid	TPH-DRO	8015B	3200	J	ug/kg	94
017	BH-18B	Solid	Aluminum	6010B	32000	B	mg/kg	95
017	BH-18B	Solid	Arsenic	6010B	1.3	J	mg/kg	95
017	BH-18B	Solid	Barium	6010B	170		mg/kg	95
017	BH-18B	Solid	Chromium	6010B	14		mg/kg	95
017	BH-18B	Solid	Cobalt	6010B	5.6	J	mg/kg	95
017	BH-18B	Solid	Copper	6010B	26	B	mg/kg	95
017	BH-18B	Solid	Iron	6010B	17000	B	mg/kg	95
017	BH-18B	Solid	Lead	6010B	17		mg/kg	95
017	BH-18B	Solid	Magnesium	6010B	3800		mg/kg	95
017	BH-18B	Solid	Manganese	6010B	310	B	mg/kg	95
017	BH-18B	Solid	Nickel	6010B	9.6	J	mg/kg	95
017	BH-18B	Solid	Potassium	6010B	6000		mg/kg	95
017	BH-18B	Solid	Thallium	6010B	11		mg/kg	95
017	BH-18B	Solid	Vanadium	6010B	18		mg/kg	95
017	BH-18B	Solid	Zinc	6010B	150	B	mg/kg	95
018	BH-18A	Solid	Trichloroethene	8260B	62		ug/kg	96
018	BH-18A	Solid	TPH-DRO	8015B	3300	J	ug/kg	101

(117 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-001**
Description: **FB-03**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1200**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 1845	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**4.0**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-001**
Description: **FB-03**
Matrix: **Aqueous**
Date Sampled: **06/23/2004 1200**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-002**
Description: **RB-02**
Matrix: **Aqueous**
Date Sampled: **06/24/2004 1315**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 1908	CMS		

Parameter	CAS Number	Analytical *Method*	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.7**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-002**
Description: **RB-02**
Matrix: **Aqueous**
Date Sampled: **06/24/2004 1315**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-003**
Description: **BH-16B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1030**
% Solids: **90.5** **06/25/2004 1830**
Date Received: **06/25/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1329	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	1.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.87	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	0.66	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.89	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	0.98	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,[illegible]ichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
[illegible]-Dichloroethene	156-59-2	8260B	ND		5.2	0.80	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.96	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.86	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.2	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	2.4	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2.2**	**J**	**5.2**	**1.5**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.89	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.83	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**68**		**5.2**	**2.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		10	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

[illegible] Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-16B**
Date Sampled: **06/24/2004 1030**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-003**
Matrix: **Solid**
% Solids: **90.5** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-003**
Description: **BH-16B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1030**
% Solids: **90.5** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1439	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		360	48	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		360	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		920	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		920	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		920	7.3	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		920	71	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

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ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-003**
Description: **BH-16B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1030**
% Solids: **90.5** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1439	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	39	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		920	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		920	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	15	ug/kg	1
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		51	30-130
2-Fluorobiphenyl		59	30-130
2-Fluorophenol		65	30-130
Nitrobenzene-d5		64	30-130
Phenol-d5		60	30-130
Terphenyl-d14		66	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-003**
Description: **BH-16B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1030**
% Solids: **90.5** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550B	8082	1	07/08/2004 1311	MTR	07/07/2004 1205	16692

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	2
Aroclor 1221	11104-28-2	8082	ND		19	5.5	ug/kg	2
Aroclor 1232	11141-16-5	8082	ND		19	3.3	ug/kg	2
Aroclor 1242	53469-21-9	8082	ND		19	3.3	ug/kg	2
Aroclor 1248	12672-29-6	8082	ND		19	3.3	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	2
Aroclor 1260	11096-82-5	8082	ND		19	0.68	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		293	50-130		100	50-130
Tetrachloro-m-xylene		167	50-130		72	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-003**
Description: **BH-16B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1030**
% Solids: **90.5** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1345	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**2200**	**J**	**3500**	**610**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		73	50-130

POL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-004**
Description: **BH-13B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1200**
% Solids: **92.0** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1351	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.8	ug/kg	1
Benzene	71-43-2	8260B	ND		4.9	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.9	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.9	0.69	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.9	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.8	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.9	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.9	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.9	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.9	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.9	0.82	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.9	0.98	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.9	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.9	0.62	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.9	0.84	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.9	0.92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.9	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.9	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.9	0.72	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.9	0.98	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.9	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.9	0.75	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.9	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.9	0.90	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.9	0.67	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.9	0.81	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.9	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.8	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.9	0.39	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.8	1.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.9	2.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		4.9	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		4.9	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.9	0.46	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.9	2.3	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2.8**	**J**	**4.9**	**1.4**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.9	0.84	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.9	0.78	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**36**		**4.9**	**1.9**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		9.8	0.85	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.9	2.8	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-13B**
Date Sampled: **06/24/2004 1200**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-004**
Matrix: **Solid**
% Solids: **92.0** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-004**
Description: **BH-13B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1200**
% Solids: **92.0** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1506	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		360	48	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		360	43	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		900	62	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		900	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		900	7.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		900	70	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-004**
Description: **BH-13B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1200**
% Solids: **92.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1506	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		730	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	39	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		900	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		900	38	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	14	ug/kg	1
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		56	30-130
2-Fluorobiphenyl		70	30-130
2-Fluorophenol		73	30-130
Nitrobenzene-d5		74	30-130
Phenol-d5		68	30-130
Terphenyl-d14		78	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-004**
Description: **BH-13B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1200**
% Solids: **92.0** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1604	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.3	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.67	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		116	50-130
Tetrachloro-m-xylene		97	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-004**
Description: **BH-13B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1200**
% Solids: **92.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1408	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4000**		**3500**	**600**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-005**
Description: **BH-16A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1015**
% Solids: **85.1** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1414	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	2.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.84	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	0.76	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.88	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		6.0	2.0	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		6.0	0.91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.82	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.98	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	3.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.0	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.0	2.8	ug/kg	1
Toluene	**108-88-3**	**8260B**	**3.0**	**J**	**6.0**	**1.7**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	**79-00-5**	**8260B**	**2.4**	**J**	**6.0**	**0.95**	**ug/kg**	**1**
Trichloroethene	**79-01-6**	**8260B**	**180**		**6.0**	**2.3**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	3.5	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-16A**
Date Sampled: **06/24/2004 1015**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-005**
Matrix: **Solid**
% Solids: **85.1** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-005**
Description: **BH-16A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1015**
% Solids: **85.1 06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1543	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
[illegible]butyl phthalate	**84-74-2**	**8270C**	**71**	**J**	**390**	**52**	**ug/kg**	**1**
[illegible]octylphthalate	117-84-0	8270C	ND		390	47	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		980	67	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		980	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		980	7.8	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		980	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-005**

Description: **BH-16A** Matrix: **Solid**

Date Sampled: **06/24/2004 1015** % Solids: **85.1 06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1543	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		790	37	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		980	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		980	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		57	30-130
2-Fluorobiphenyl		56	30-130
2-Fluorophenol		66	30-130
Nitrobenzene-d5		65	30-130
Phenol-d5		58	30-130
Terphenyl-d14		76	30-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-005**
Description: **BH-16A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1015**
% Solids: **85.1 06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2009	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.72	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		146	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-005**
Description: **BH-16A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1015**
% Solids: **85.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1431	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4700**		**3800**	**660**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		72	50-130

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ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-13A**
Date Sampled: **06/24/2004 1130**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-006**
Matrix: **Solid**
% Solids: **73.2** **06/25/2004 1830**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1436	RED		
2	5035	8260B	50	07/07/2004 1614	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	2.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.9	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**3.5**	**J**	**5.9**	**2.7**	**ug/kg**	**1**
Toluene	108-88-3	8260B	ND		5.9	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.94	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**1400**		**310**	**120**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

= Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-13A**
Date Sampled: **06/24/2004 1130**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-006**
Matrix: **Solid**
% Solids: **73.2** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142		88	53-142
Bromofluorobenzene		95	47-138		92	47-138
Toluene-d8		97	68-124		94	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-006**

Description: **BH-13A** Matrix: **Solid**

Date Sampled: **06/24/2004 1130** % Solids: **73.2** **06/25/2004 1830**

Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1609	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		450	14	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		450	18	ug/kg	1
Anthracene	120-12-7	8270C	ND		450	20	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		450	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		450	33	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		450	30	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		450	31	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		450	37	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		450	19	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		450	15	ug/kg	1
Carbazole	86-74-8	8270C	ND		450	13	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		450	25	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		450	23	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		450	20	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		450	19	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		450	17	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		450	22	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		450	19	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		450	18	ug/kg	1
Chrysene	218-01-9	8270C	ND		450	14	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		450	60	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		450	54	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		450	30	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		450	18	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		450	16	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		450	17	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		450	20	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	78	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		450	18	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		450	17	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		450	13	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		450	23	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	52	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	9.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		450	33	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		450	39	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		450	28	ug/kg	1
Fluoranthene	**206-44-0**	**8270C**	**50**	**J**	**450**	**14**	**ug/kg**	**1**
Fluorene	86-73-7	8270C	ND		450	17	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		450	18	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		450	18	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	88	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		450	22	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		450	41	ug/kg	1
Isophorone	78-59-1	8270C	ND		450	21	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		450	16	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-006**

Description: **BH-13A** Matrix: **Solid**

Date Sampled: **06/24/2004 1130** % Solids: **73.2** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1609	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		450	25	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		920	43	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		450	23	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		450	15	ug/kg	1
Naphthalene	91-20-3	8270C	ND		450	19	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		450	32	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		450	32	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		450	27	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		450	21	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		450	49	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	190	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	48	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		450	18	ug/kg	1
Phenol	108-95-2	8270C	ND		450	22	ug/kg	1
Pyrene	**129-00-0**	**8270C**	**46**	**J**	**450**	**20**	**ug/kg**	**1**
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		450	21	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		450	23	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		450	25	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		56	30-130
2-Fluorobiphenyl		67	30-130
2-Fluorophenol		76	30-130
Nitrobenzene-d5		72	30-130
Phenol-d5		72	30-130
Terphenyl-d14		82	30-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-006**
Description: **BH-13A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1130**
% Solids: **73.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2022	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	3.7	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	6.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	4.1	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	4.1	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	4.1	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	1.4	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	0.84	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		112	50-130
Tetrachloro-m-xylene		58	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-006**
Description: **BH-13A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1130**
% Solids: **73.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1454	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	7000		4500	780	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		80	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0858	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	0.056	mg/kg	1

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6 06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1459	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**8.5**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	0.68	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**8.3**		**5.4**	**1.3**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**120**		**5.4**	**2.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-007**

Description: **BH-17A** Matrix: **Solid**

Date Sampled: **06/24/2004 0845** % Solids: **89.6** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1636	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	11	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	49	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	43	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	7.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	72	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-007**

Description: **BH-17A** Matrix: **Solid**

Date Sampled: ***06/24/2004 0845*** % Solids: **89.6** ***06/25/2004 1830***

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1636	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		46	30-130
2-Fluorobiphenyl		54	30-130
2-Fluorophenol		55	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		54	30-130
Terphenyl-d14		70	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6 06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2035	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.3	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.69	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		55	50-130
Tetrachloro-m-xylene		13	50-130

POL = Practical quantitation limit
ND = Not detected at or above the POL
B = Detected in the method blank
J = Estimated result less than the POL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-17A**
Date Sampled: **06/24/2004 0845**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-007**
Matrix: **Solid**
% Solids: **89.6** **06/25/2004 1830**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/12/2004 1115	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	0.38	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	0.44	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	0.33	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	0.36	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	0.40	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	0.32	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	0.27	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	0.28	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	0.36	ug/kg	1
4,4'-DDT	**50-29-3**	**8081A**	**1.8**	**J**	**1.9**	**0.31**	**ug/kg**	**1**
Dieldrin	60-57-1	8081A	ND		1.9	0.37	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	0.38	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	0.28	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	0.26	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	0.37	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	0.33	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		1.9	0.24	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	0.44	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	0.34	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.5	1.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		93	10	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		45	50-130
Tetrachloro-m-xylene		12	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1517	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**37000**		**3600**	**630**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-007**
Description: **BH-17A**
Matrix: **Solid**
Date Sampled: **06/24/2004 0845**
% Solids: **89.6** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	07/01/2004 1912	MNM	07/01/2004 1624	16577
1	3050B	6010B	5	06/29/2004 1850	FTS	06/25/2004 1758	16410
2	3050B	6010B	5	06/29/2004 1631	MNM	06/25/2004 1758	16410

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**55000**	**B**	**56**	**32**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.4	0.51	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**2.5**		**1.4**	**1.1**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**170**		**7.2**	**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.1	0.30	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.56	0.17	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**1300**	**J**	**1400**	**250**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**27**		**1.4**	**0.62**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**12**		**7.2**	**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**7.8**	**B**	**1.4**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**32000**	**B**	**28**	**22**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**18**	**B**	**1.4**	**0.67**	**mg/kg**	**2**
Magnesium	**7439-95-4**	**6010B**	**5100**		**1400**	**220**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**670**	**B**	**4.2**	**2.5**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.093	0.0090	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**35**		**11**	**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**6900**		**1400**	**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.4	1.3	mg/kg	2
[illegible]	7440-22-4	6010B	ND		1.4	0.81	mg/kg	1
[illegible]m	7440-23-5	6010B	ND	B	1400	310	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**11**		**2.8**	**2.6**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**48**		**14**	**5.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**120**	**B**	**14**	**6.2**	**mg/kg**	**1**

[illegible] = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-008**
Description: **BH-17B**
Matrix: **Solid**
Date Sampled: **06/24/2004 0915**
% Solids: **91.8** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1521	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**8.3**	**J**	**20**	**1.8**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.0	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	0.70	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	0.83	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.63	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.85	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.93	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.73	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.76	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.91	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.68	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.82	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	2.6	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**6.6**		**5.0**	**1.2**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.0	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.47	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	2.3	ug/kg	1
Toluene	**108-88-3**	**8260B**	**1.9**	**J**	**5.0**	**1.4**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.85	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.79	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**190**		**5.0**	**1.9**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		10	0.86	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	2.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-008**
Description: **BH-17B**
Matrix: **Solid**
Date Sampled: **06/24/2004 0915**
% Solids: **91.8** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		102	68-124

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-008**

Description: **BH-17B** Matrix: **Solid**

Date Sampled: **06/24/2004 0915** % Solids: **91.8** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1702	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		360	48	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		360	43	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		900	62	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		900	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		900	7.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		900	70	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-008**
Description: **BH-17B**
Matrix: **Solid**
Date Sampled: **06/24/2004 0915**
% Solids: **91.8** **06/25/2004 1830**
Date Received: **06/25/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1702	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		730	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	39	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		900	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		900	38	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**37**	**J**	**360**	**14**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		51	30-130
[illegible]orobiphenyl		51	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		56	30-130
Phenol-d5		53	30-130
Terphenyl-d14		68	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-008**
Description: **BH-17B**
Matrix: **Solid**
Date Sampled: **06/24/2004 0915**
% Solids: **91.8** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2048	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.2	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.2	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.2	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.67	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		136	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-008**
Description: **BH-17B**
Matrix: **Solid**
Date Sampled: **06/24/2004 0915**
% Solids: **91.8** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1540	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**30000**		**3500**	**610**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-009**
Description: **Trip Blank-10**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 1931	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.3**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-009**
Description: **Trip Blank-10**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		100	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-010**
Description: **FB-02**
Matrix: **Aqueous**
Date Sampled: **06/24/2004 0930**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 1955	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**4.2**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-010**
Description: **FB-02**
Matrix: **Aqueous**
Date Sampled: **06/24/2004 0930**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-011**
Description: **BH-32A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1630**
% Solids: **87.8** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/02/2004 1543	RED		
2	5035	8260B	50	07/07/2004 1636	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**5.2**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**4.1**	**J**	**5.4**	**1.2**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	0.68	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**20**		**5.4**	**0.82**	**ug/kg**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**82**		**5.4**	**1.2**	**ug/kg**	**1**
2-Hexanone	**591-78-6**	**8260B**	**120**		**11**	**1.4**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**11**		**5.4**	**1.3**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**1100**		**290**	**130**	**ug/kg**	**2**
Toluene	**108-88-3**	**8260B**	**37**		**5.4**	**1.5**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**900**		**290**	**49**	**ug/kg**	**2**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**9100**		**290**	**110**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		11	0.93	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**250**		**5.4**	**3.2**	**ug/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-011**
Description: **BH-32A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1630**
% Solids: **87.8** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	53-142		98	53-142
Bromofluorobenzene		102	47-138		108	47-138
Toluene-d8		106	68-124		104	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-011**

Description: **BH-32A** Matrix: **Solid**

Date Sampled: **06/24/2004 1630** % Solids: **87.8** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1729	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	7.5	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	73	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-011**

Description: **BH-32A** Matrix: **Solid**

Date Sampled: **06/24/2004 1630** % Solids: **87.8** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1729	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-130
2-Fluorobiphenyl		58	30-130
2-Fluorophenol		68	30-130
Nitrobenzene-d5		68	30-130
Phenol-d5		64	30-130
Terphenyl-d14		97	30-130

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

B = Detected in the method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-32A**
Date Sampled: **06/24/2004 1630**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-011**
Matrix: **Solid**
% Solids: **87.8** **06/25/2004 1830**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2101	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		106	50-130
Tetrachloro-m-xylene		67	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-011**
Description: **BH-32A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1630**
% Solids: **87.8** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	20	07/02/2004 1435	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4500000**		**75000**	**13000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		454	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-012**
Description: **BH-33A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1610**
% Solids: **88.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/06/2004 1621	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	1.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.75	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	0.67	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.91	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	0.99	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.78	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	0.81	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.97	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.3	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	2.4	ug/kg	1
Toluene	**108-88-3**	**8260B**	**3.0**	**J**	**5.3**	**1.5**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.91	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.84	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**3.8**	**J**	**5.3**	**2.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.92	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-012**
Description: **BH-33A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1610**
% Solids: **88.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		103	68-124

L = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-012**

Description: **BH-33A** Matrix: **Solid**

Date Sampled: **06/24/2004 1610** % Solids: **88.1 06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1755	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	64	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	43	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	7.5	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	73	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-012**

Description: **BH-33A** Matrix: **Solid**

Date Sampled: **06/24/2004 1610** % Solids: **88.1** **06/25/2004 1830**

Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1755	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		61	30-130
[illegible]orobiphenyl		65	30-130
2-Fluorophenol		72	30-130
Nitrobenzene-d5		70	30-130
Phenol-d5		68	30-130
Terphenyl-d14		79	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-012**
Description: **BH-33A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1610**
% Solids: **88.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2114	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.69	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		100	50-130
Tetrachloro-m-xylene		53	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-012**
Description: **BH-33A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1610**
% Solids: **88.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 1852	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4100**		**3700**	**640**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		79	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0859	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.58	0.058	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-013**

Description: **BH-34B** Matrix: **Solid**

Date Sampled: **06/24/2004 1530** % Solids: **86.0** **06/25/2004 1830**

Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	500	07/07/2004 2243	RZ		
2	5035	8260B	5000	07/07/2004 1659	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		12000	1100	ug/kg	1
Benzene	71-43-2	8260B	ND		3000	650	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3000	650	ug/kg	1
Bromoform	75-25-2	8260B	ND		3000	420	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3000	1100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5900	1400	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3000	770	ug/kg	1
Carbon tetrachloride	**56-23-5**	**8260B**	**4500**		**3000**	**1100**	**ug/kg**	**1**
Chlorobenzene	108-90-7	8260B	ND		3000	890	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3000	770	ug/kg	1
Chloroform	67-66-3	8260B	ND		3000	490	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3000	590	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3000	890	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3000	370	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3000	500	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3000	550	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3000	770	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3000	890	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3000	430	ug/kg	1
[illegible]Dichloroethane	107-06-2	8260B	ND		3000	590	ug/kg	1
[illegible]Dichloroethene	75-35-4	8260B	ND		3000	1000	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3000	450	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3000	890	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3000	540	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3000	400	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3000	490	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**3700**		**3000**	**650**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		5900	770	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3000	240	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5900	890	ug/kg	1
Methylene chloride	**75-09-2**	**8260B**	**1600**	**J**	**3000**	**1500**	**ug/kg**	**1**
Naphthalene	**91-20-3**	**8260B**	**3000**		**3000**	**710**	**ug/kg**	**1**
Styrene	**100-42-5**	**8260B**	**2700**	**J**	**3000**	**650**	**ug/kg**	**1**
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3000	280	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**4800**		**3000**	**1400**	**ug/kg**	**1**
Toluene	**108-88-3**	**8260B**	**1200**	**J**	**3000**	**830**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**30000**		**3000**	**500**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		3000	470	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**440000**		**30000**	**11000**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		5900	510	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**10000**		**3000**	**1700**	**ug/kg**	**1**

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-34B**
Date Sampled: **06/24/2004 1530**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-013**
Matrix: **Solid**
% Solids: **86.0** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142		1.2	53-142
Bromofluorobenzene		116	47-138		2.5	47-138
Toluene-d8		113	68-124		0.0	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-013**

Description: **BH-34B** Matrix: **Solid**

Date Sampled: **06/24/2004 1530** % Solids: **86.0** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1822	DC	06/29/2004 1630	16491
2	3550B	8270C	10	07/07/2004 1545	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
[illegible]ene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	**86-73-7**	**8270C**	**140**	**J**	**380**	**15**	**ug/kg**	**1**
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1822	DC	06/29/2004 1630	16491
2	3550B	8270C	10	07/07/2004 1545	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylnaphthalene	**91-57-6**	**8270C**	**27000**		**3800**	**140**	**ug/kg**	**2**
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	41	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**7700**		**3800**	**160**	**ug/kg**	**2**
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		80	30-130		160	30-130
2-Fluorobiphenyl		53	30-130		52	30-130
2-Fluorophenol		52	30-130		53	30-130
Nitrobenzene-d5		75	30-130		57	30-130
Phenol-d5		52	30-130		52	30-130
Terphenyl-d14		103	30-130		85	30-130

POL = Practical quantitation limit
ND = Not detected at or above the POL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2127	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		68	50-130
Tetrachloro-m-xylene		*23*	*50-130*

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	10	07/12/2004 1430	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		19	3.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		19	4.4	ug/kg	1
beta-BHC	319-85-7	8081A	ND		19	3.4	ug/kg	1
delta-BHC	319-86-8	8081A	ND		19	3.6	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		19	4.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		19	3.3	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		19	2.7	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		19	2.8	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		19	3.6	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		19	3.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		19	3.8	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		19	3.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		19	2.8	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		19	2.6	ug/kg	1
Endrin	72-20-8	8081A	ND		19	3.8	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		19	3.4	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		19	2.5	ug/kg	1
Heptachlor	76-44-8	8081A	ND		19	4.4	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		19	3.5	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		76	15	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		950	100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		53	50-130
Tetrachloro-m-xylene		0.0	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	50	07/14/2004 1000	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**14000000**		**190000**	**33000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		1510	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-013**
Description: **BH-34B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **86.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	07/01/2004 1913	MNM	07/01/2004 1624	16577
1	3050B	6010B	5	06/29/2004 1857	FTS	06/25/2004 1758	16410
2	3050B	6010B	5	06/29/2004 1650	MNM	06/25/2004 1758	16410

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**33000**	**B**	**58**	**34**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.4	0.53	mg/kg	1
Arsenic	7440-38-2	6010B	ND		1.4	1.2	mg/kg	2
Barium	**7440-39-3**	**6010B**	**220**		**7.6**	**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.32	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.58	0.17	mg/kg	1
Calcium	7440-70-2	6010B	ND		1400	260	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**24**		**1.4**	**0.65**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**8.7**		**7.6**	**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**3.0**	**B**	**1.4**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**24000**	**B**	**29**	**24**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.6**		**1.4**	**0.70**	**mg/kg**	**2**
Magnesium	**7439-95-4**	**6010B**	**5800**		**1400**	**230**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**400**	**B**	**4.4**	**2.6**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.096	0.0093	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**12**		**12**	**2.5**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**9100**		**1400**	**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.4	1.4	mg/kg	2
Silver	7440-22-4	6010B	ND		1.4	0.85	mg/kg	1
Sodium	7440-23-5	6010B	ND	B	1400	320	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**24**		**2.9**	**2.7**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**35**		**14**	**6.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**56**		**14**	**6.4**	**mg/kg**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-014**
Description: **DUP-02**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **87.3** **06/25/2004 1830**
Date Received: **06/25/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/06/2004 1644	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	2.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.9	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	2.7	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2.2**	**J**	**5.9**	**1.6**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**1.0**	**J**	**5.9**	**1.0**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**10**		**5.9**	**2.2**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **DUP-02**
Date Sampled: **06/24/2004 1530**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-014**
Matrix: **Solid**
% Solids: **87.3** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-014**

Description: **DUP-02** Matrix: **Solid**

Date Sampled: **06/24/2004 1530** % Solids: **87.3** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1848	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]utyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		380	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-014**
Description: **DUP-02**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **87.3** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1848	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		48	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		56	30-130
Terphenyl-d14		67	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-014**
Description: **DUP-02**
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **87.3** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2140	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		69	50-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-014**
Description: ***DUP-02***
Matrix: **Solid**
Date Sampled: **06/24/2004 1530**
% Solids: **87.3** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 1939	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**100000**		**3800**	**650**	***ug/kg***	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		82	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-015**

Description: **Trip Blank-11** Matrix: **Aqueous**

Date Sampled: **06/17/2004 1300**

Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 2018	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**5.6**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-015**
Description: **Trip Blank-11**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-016**
Description: **BH-34A**
Matrix: **Solid**
Date Sampled: ***06/24/2004 1515***
% Solids: **87.0** ***06/25/2004 1830***
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/06/2004 1707	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	2.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.78	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	0.70	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.95	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.81	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.6	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.52	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	2.6	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2.1**	**J**	**5.6**	**1.6**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.95	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.88	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**4.8**	**J**	**5.6**	**2.1**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.96	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-34A**
Date Sampled: **06/24/2004 1515**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-016**
Matrix: **Solid**
% Solids: **87.0** **06/25/2004 1830**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-016**

Description: **BH-34A** Matrix: **Solid**

Date Sampled: **06/24/2004 1515** % Solids: **87.0** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1915	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: ***BH-34A***
Date Sampled: **06/24/2004 1515**
Date Received: **06/25/2004**

Laboratory ID: **FF25012-016**
Matrix: **Solid**
% Solids: **87.0** **06/25/2004 1830**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1915	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		67	30-130
2-Fluorobiphenyl		65	30-130
2-Fluorophenol		71	30-130
Nitrobenzene-d5		70	30-130
Phenol-d5		65	30-130
Terphenyl-d14		82	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-016**
Description: **BH-34A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1515**
% Solids: **87.0** **06/25/2004 1830**
Date Received: **06/25/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2153	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		77	50-130
Tetrachloro-m-xylene		52	50-130

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ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-016**
Description: **BH-34A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1515**
% Solids: **87.0** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 2002	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**220000**		**3800**	**650**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		94	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

R[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0900	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.58	0.058	mg/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/06/2004 1731	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	2.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.78	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	0.71	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.95	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.6	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.95	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**18**		**5.6**	**2.1**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.96	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		99	68-124

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1941	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-017**

Description: **BH-18B** Matrix: **Solid**

Date Sampled: **06/24/2004 1445** % Solids: **86.2** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 1941	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		52	30-130
2-Fluorobiphenyl		51	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		54	30-130
Terphenyl-d14		67	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 2206	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	50-130
Tetrachloro-m-xylene		39	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/12/2004 1141	MTR	06/29/2004 0840	16466

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	0.39	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	0.45	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	0.34	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	0.37	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	0.41	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	0.33	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	0.28	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	0.29	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	0.37	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	0.32	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	0.38	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	0.39	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	0.29	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	0.26	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	0.38	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	0.34	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		2.0	0.25	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	0.45	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	0.36	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.7	1.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		96	10	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		56	50-130
Tetrachloro-m-xylene		22	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-017**
Description: **BH-18B**
Matrix: **Solid**
Date Sampled: **06/24/2004 1445**
% Solids: **86.2** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 2025	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**3200**	**J**	**3800**	**660**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		74	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF25012-017**

Description: **BH-18B** Matrix: **Solid**

Date Sampled: **06/24/2004 1445** % Solids: **86.2** **06/25/2004 1830**

Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	07/01/2004 1914	MNM	07/01/2004 1624	16577
1	3050B	6010B	5	06/29/2004 1916	FTS	06/25/2004 1758	16410
2	3050B	6010B	5	06/29/2004 1657	MNM	06/25/2004 1758	16410

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**32000**	**B**	**58**	**34**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.4	0.53	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.3**	**J**	**1.4**	**1.2**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**170**		**7.5**	**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.32	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.58	0.17	mg/kg	1
Calcium	7440-70-2	6010B	ND		1400	260	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**14**		**1.4**	**0.65**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**5.6**	**J**	**7.5**	**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**26**	**B**	**1.4**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**17000**	**B**	**29**	**23**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**17**		**1.4**	**0.70**	**mg/kg**	**2**
Magnesium	**7439-95-4**	**6010B**	**3800**		**1400**	**230**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**310**	**B**	**4.4**	**2.6**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.096	0.0093	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**9.6**	**J**	**12**	**2.5**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**6000**		**1400**	**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.4	1.4	mg/kg	2
[illegible]	7440-22-4	6010B	ND		1.4	0.84	mg/kg	1
[illegible]um	7440-23-5	6010B	ND	B	1400	320	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**11**		**2.9**	**2.7**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**18**		**14**	**6.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**150**	**B**	**14**	**6.4**	**mg/kg**	**1**

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/06/2004 1754	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	1.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	0.66	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	0.97	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.2	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	2.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**62**		**5.2**	**2.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		10	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 2008	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/06/2004 2008	DC	06/29/2004 1630	16491

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		51	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		61	30-130
Nitrobenzene-d5		59	30-130
Phenol-d5		55	30-130
Terphenyl-d14		67	30-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1 06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550B	8082	1	07/08/2004 1325	MTR	07/07/2004 1205	16692

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	2
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	2
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	2
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	2
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	2
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		22	50-130		83	50-130
Tetrachloro-m-xylene		0.0	50-130		60	50-130

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-018**
Description: **BH-18A**
Matrix: **Solid**
Date Sampled: **06/24/2004 1420**
% Solids: **87.1** **06/25/2004 1830**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 2048	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**3300**	**J**	**3700**	**650**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		74	50-130

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-019**
Description: **Trip Blank-12**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1545**
Date Received: **06/25/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/29/2004 2042	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF25012-019**
Description: **Trip Blank-12**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1545**
Date Received: **06/25/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450.08**

Lot Number: **FF29012**

Date Completed: **07/20/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF29012

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOCs-
Sample -021 was reported with an "E" qualifier for the compound trichloroethene. A diluted reanalysis was not possible within the holding time and was therefore reported from the original analysis, and flagged accordingly.
The blanks analyzed on 7/08/04, 7/09/04, 7/10/04 and 7/12/04 had several compounds detected at concentrations above the MDL, but below the PQL. All samples associated with these blanks, that had detections for the affected compounds have been flagged with a "B".

GC/MS SVOCs-
Sample -015 was diluted due to the presence of a hydrocarbon envelope. No more concentrated analysis was possible.

Pesticides-
Sample -014 was diluted at 10X due to the sample matrix. The surrogates were recovered outside of the acceptance limits as a result of this dilution.

DRO-
There were unknown hydrocarbon patterns present in samples -004, -006, -007, -010, -011, -019 and -021.
There were diesel patterns present in samples -014 and -015.
Samples -014 and -015 were diluted greater than 5X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits as a result of these dilutions.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF29012

Sample Number	Sample ID	Matrix	Date Sampled
001	RB-04	Aqueous	06/28/2004 1000
002	FB-05	Aqueous	06/28/2004 1000
003	Trip Blank-18	Aqueous	06/17/2004 1300
004	BH-30c	Solid	06/28/2004 1200
005	Trip Blank-19	Aqueous	06/16/2004 1315
006	BH-30a	Solid	06/28/2004 1130
007	BH-30b	Solid	06/28/2004 1140
008	BH-24b	Solid	06/28/2004 1445
009	BH-19b	Solid	06/28/2004 1340
010	BH-19a	Solid	06/28/2004 1320
011	BH-19c	Solid	06/28/2004 1355
012	BH-24a	Solid	06/28/2004 1430
013	Trip Blank-20	Aqueous	06/17/2004 1300
014	BH-22b	Solid	06/28/2004 1625
015	BH-22c	Solid	06/28/2004 1700
016	BH-22a	Solid	06/28/2004 1610
017	Trip Blank-21	Aqueous	06/17/2004 1315
018	BH-26a	Solid	06/28/2004 1740
019	BH-26b	Solid	06/28/2004 1800
020	Dup-05	Solid	06/28/2004 1830
021	BH-26c	Solid	06/28/2004 1840

(21 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF29012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	FB-05	Aqueous	Chloroform	8260B	0.82	BJ	ug/L	11
003	Trip Blank-18	Aqueous	Acetone	8260B	6.8	J	ug/L	13
003	Trip Blank-18	Aqueous	Chloroform	8260B	0.82	BJ	ug/L	13
004	BH-30c	Solid	Acetone	8260B	16	BJ	ug/kg	16
004	BH-30c	Solid	TPH-DRO	8015B	5700		ug/kg	22
004	BH-30c	Solid	Aluminum	6010B	18000		mg/kg	23
004	BH-30c	Solid	Arsenic	6010B	1.6		mg/kg	23
004	BH-30c	Solid	Barium	6010B	110		mg/kg	23
004	BH-30c	Solid	Chromium	6010B	18		mg/kg	23
004	BH-30c	Solid	Cobalt	6010B	3.8	J	mg/kg	23
004	BH-30c	Solid	Copper	6010B	11		mg/kg	23
004	BH-30c	Solid	Iron	6010B	23000		mg/kg	23
004	BH-30c	Solid	Lead	6010B	7.1		mg/kg	23
004	BH-30c	Solid	Magnesium	6010B	1900		mg/kg	23
004	BH-30c	Solid	Manganese	6010B	150		mg/kg	23
004	BH-30c	Solid	Nickel	6010B	6.8	J	mg/kg	23
004	BH-30c	Solid	Potassium	6010B	2900		mg/kg	23
004	BH-30c	Solid	Thallium	6010B	10		mg/kg	23
004	BH-30c	Solid	Vanadium	6010B	35		mg/kg	23
004	BH-30c	Solid	Zinc	6010B	28		mg/kg	23
005	Trip Blank-19	Aqueous	Chloroform	8260B	0.76	BJ	ug/L	24
006	BH-30a	Solid	Acetone	8260B	22	BJ	ug/kg	26
006	BH-30a	Solid	TPH-DRO	8015B	14000		ug/kg	31
007	BH-30b	Solid	Acetone	8260B	22	BJ	ug/kg	32
007	BH-30b	Solid	TPH-DRO	8015B	2800	J	ug/kg	37
008	BH-24b	Solid	Acetone	8260B	19	BJ	ug/kg	38
008	BH-24b	Solid	TPH-DRO	8015B	750	J	ug/kg	43
009	BH-19b	Solid	Acetone	8260B	18	BJ	ug/kg	44
009	BH-19b	Solid	Trichloroethene	8260B	80		ug/kg	44
010	BH-19a	Solid	Acetone	8260B	17	BJ	ug/kg	50
010	BH-19a	Solid	Trichloroethene	8260B	8.7		ug/kg	50
010	BH-19a	Solid	TPH-DRO	8015B	42000		ug/kg	55
011	BH-19c	Solid	Acetone	8260B	21	BJ	ug/kg	56
011	BH-19c	Solid	Trichloroethene	8260B	640		ug/kg	56
011	BH-19c	Solid	TPH-DRO	8015B	3100	J	ug/kg	61
013	Trip Blank-20	Aqueous	Acetone	8260B	6.4	J	ug/L	68
013	Trip Blank-20	Aqueous	Chloroform	8260B	0.75	BJ	ug/L	68
014	BH-22b	Solid	Acetone	8260B	1600	BJ	ug/kg	71
014	BH-22b	Solid	Benzene	8260B	120	J	ug/kg	71
014	BH-22b	Solid	2-Butanone (MEK)	8260B	400	J	ug/kg	71
014	BH-22b	Solid	1,1,1-Trichloroethane	8260B	3000		ug/kg	71
014	BH-22b	Solid	Trichloroethene	8260B	12000		ug/kg	71
014	BH-22b	Solid	Xylenes (total)	8260B	380	J	ug/kg	71
014	BH-22b	Solid	4,4'-DDD	8081A	49	P	ug/kg	76

Executive Summary (Continued)

Lot Number: FF29012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
014	BH-22b	Solid	4,4'-DDT	8081A	39	P	ug/kg	76
014	BH-22b	Solid	Endrin aldehyde	8081A	35		ug/kg	76
014	BH-22b	Solid	TPH-DRO	8015B	11000000		ug/kg	77
014	BH-22b	Solid	Aluminum	6010B	33000		mg/kg	78
014	BH-22b	Solid	Arsenic	6010B	3.8		mg/kg	78
014	BH-22b	Solid	Barium	6010B	270		mg/kg	78
014	BH-22b	Solid	Chromium	6010B	37		mg/kg	78
014	BH-22b	Solid	Cobalt	6010B	22		mg/kg	78
014	BH-22b	Solid	Copper	6010B	25		mg/kg	78
014	BH-22b	Solid	Iron	6010B	52000		mg/kg	78
014	BH-22b	Solid	Lead	6010B	20		mg/kg	78
014	BH-22b	Solid	Magnesium	6010B	10000		mg/kg	78
014	BH-22b	Solid	Manganese	6010B	1100		mg/kg	78
014	BH-22b	Solid	Nickel	6010B	35		mg/kg	78
014	BH-22b	Solid	Potassium	6010B	14000		mg/kg	78
014	BH-22b	Solid	Thallium	6010B	20		mg/kg	78
014	BH-22b	Solid	Vanadium	6010B	62		mg/kg	78
014	BH-22b	Solid	Zinc	6010B	130		mg/kg	78
015	BH-22c	Solid	Acetone	8260B	13000	BJ	ug/kg	79
015	BH-22c	Solid	Benzene	8260B	1300	J	ug/kg	79
015	BH-22c	Solid	Ethylbenzene	8260B	11000		ug/kg	79
015	BH-22c	Solid	Naphthalene	8260B	37000		ug/kg	79
015	BH-22c	Solid	Toluene	8260B	4200	J	ug/kg	79
015	BH-22c	Solid	1,1,1-Trichloroethane	8260B	30000		ug/kg	79
015	BH-22c	Solid	Trichloroethene	8260B	95000		ug/kg	79
015	BH-22c	Solid	Xylenes (total)	8260B	39000		ug/kg	79
015	BH-22c	Solid	2-Methylnaphthalene	8270C	4500	J	ug/kg	81
015	BH-22c	Solid	Naphthalene	8270C	400	J	ug/kg	82
015	BH-22c	Solid	Phenanthrene	8270C	660	J	ug/kg	82
015	BH-22c	Solid	TPH-DRO	8015B	28000000		ug/kg	84
016	BH-22a	Solid	Acetone	8260B	24	BJ	ug/kg	85
016	BH-22a	Solid	Trichloroethene	8260B	18		ug/kg	85
017	Trip Blank-21	Aqueous	Acetone	8260B	6.5	J	ug/L	91
017	Trip Blank-21	Aqueous	Chloroform	8260B	0.88	BJ	ug/L	91
018	BH-26a	Solid	Acetone	8260B	18	BJ	ug/kg	93
018	BH-26a	Solid	1,1,1-Trichloroethane	8260B	2.0	J	ug/kg	93
018	BH-26a	Solid	Trichloroethene	8260B	20		ug/kg	93
019	BH-26b	Solid	Acetone	8260B	33	BJ	ug/kg	99
019	BH-26b	Solid	1,1,1-Trichloroethane	8260B	5.5	J	ug/kg	99
019	BH-26b	Solid	Trichloroethene	8260B	69		ug/kg	99
019	BH-26b	Solid	TPH-DRO	8015B	2000	J	ug/kg	104
020	Dup-05	Solid	Acetone	8260B	21	BJ	ug/kg	105
020	Dup-05	Solid	Benzene	8260B	1.6	J	ug/kg	105
020	Dup-05	Solid	1,1,1-Trichloroethane	8260B	37		ug/kg	105
020	Dup-05	Solid	Trichloroethene	8260B	290		ug/kg	105
021	BH-26c	Solid	Acetone	8260B	21	BJ	ug/kg	111
021	BH-26c	Solid	Benzene	8260B	5.5	J	ug/kg	111
021	BH-26c	Solid	1,1-Dichloroethane	8260B	1.6	J	ug/kg	111

Executive Summary (Continued)

Lot Number: FF29012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
021	BH-26c	Solid	1,1-Dichloroethene	8260B	8.0		ug/kg	111
021	BH-26c	Solid	cis-1,2-Dichloroethene	8260B	1.4	J	ug/kg	111
021	BH-26c	Solid	1,1,1-Trichloroethane	8260B	160		ug/kg	111
021	BH-26c	Solid	Trichloroethene	8260B	870	E	ug/kg	111
021	BH-26c	Solid	TPH-DRO	8015B	9200		ug/kg	116

(97 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-001**
Description: **RB-04**
Matrix: **Aqueous**
Date Sampled: **06/28/2004 1000**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1530	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **RB-04**
Date Sampled: **06/28/2004 1000**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-001**
Matrix: **Aqueous**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-001**

Description: **RB-04** Matrix: **Aqueous**

Date Sampled: **06/28/2004 1000**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2134	DC	06/30/2004 0940	16505

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.2	1.2	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.2	1.2	ug/L	1
Anthracene	120-12-7	8270C	ND		5.2	1.1	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.2	0.62	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.2	0.52	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.2	0.62	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.2	0.83	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.2	1.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.2	1.2	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	2.1	ug/L	1
Carbazole	86-74-8	8270C	ND		5.2	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.2	1.7	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.2	0.84	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.2	1.6	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.2	1.2	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.2	1.4	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.2	1.4	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.2	1.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.2	1.7	ug/L	1
Chrysene	218-01-9	8270C	ND		5.2	0.73	ug/L	1
[illegible]-butyl phthalate	84-74-2	8270C	ND		5.2	1.8	ug/L	1
[illegible]octylphthalate	117-84-0	8270C	ND		5.2	1.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.2	1.4	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.2	1.2	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.2	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.2	1.4	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.2	1.4	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		26	2.7	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.2	1.2	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.2	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.2	1.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.2	1.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		26	8.4	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		26	5.0	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	4.0	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	3.5	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.2	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.2	1.4	ug/L	1
Fluorene	86-73-7	8270C	ND		5.2	1.4	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.2	1.2	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.2	1.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		26	4.2	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.2	1.2	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.2	2.4	ug/L	1
Isophorone	78-59-1	8270C	ND		5.2	1.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.2	1.6	ug/L	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-001**
Description: **RB-04**
Matrix: **Aqueous**
Date Sampled: **06/28/2004 1000**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2134	DC	06/30/2004 0940	16505

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.2	1.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	2.8	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.2	1.4	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.2	1.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.2	1.4	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	3.1	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	4.4	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.2	1.7	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	3.0	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		26	9.4	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		26	5.3	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.2	1.2	ug/L	1
Phenol	108-95-2	8270C	ND		5.2	1.2	ug/L	1
Pyrene	129-00-0	8270C	ND		5.2	3.2	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.2	1.4	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.2	1.2	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.2	1.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		62	30-130
2-Fluorobiphenyl		86	30-130
2-Fluorophenol		84	30-130
Nitrobenzene-d5		102	30-130
Phenol-d5		97	30-130
Terphenyl-d14		101	30-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-001**
Description: **RB-04**
Matrix: **Aqueous**
Date Sampled: ***06/28/2004 1000***
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/08/2004 1730	MTR	07/01/2004 1325	16542

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.26	0.053	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.26	0.15	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.26	0.21	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.26	0.15	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.26	0.16	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.26	0.12	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.26	0.063	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		37	10-110
Tetrachloro-m-xylene		82	30-120

= Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-001**
Description: **RB-04**
Matrix: **Aqueous**
Date Sampled: **06/28/2004 1000**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/02/2004 1608	MTR	07/01/2004 1325	16541

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		100	20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		90	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-002**

Description: **FB-05** Matrix: **Aqueous**

Date Sampled: **06/28/2004 1000**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1557	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.82**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-002**
Description: **FB-05**
Matrix: **Aqueous**
Date Sampled: **06/28/2004 1000**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-003**

Description: **Trip Blank-18** Matrix: **Aqueous**

Date Sampled: **06/17/2004 1300**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1625	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.8**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.82**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = *Practical quantitation limit* B = *Detected in the method blank* E = *Quantitation of compound exceeded the calibration range*

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-003**
Description: **Trip Blank-18**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
	(Cyanide - To) 9012A	1	07/02/2004 0909	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.59	0.059	mg/kg	1

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-004**

Description: **BH-30c** Matrix: **Solid**

Date Sampled: **06/28/2004 1200** % Solids: **85.0 06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 1857	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**16**	**BJ**	**26**	**2.3**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.91	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	0.82	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.5	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.5	3.0	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		13	1.1	ug/kg	1
Xylenes (total)	*1330-20-7*	*8260B*	*ND*		*6.5*	*3.8*	*ug/kg*	*1*

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		100	68-124

= Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-004**

Description: **BH-30c** Matrix: **Solid**

Date Sampled: **06/28/2004 1200** % Solids: **85.0** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1309	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1309	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		57	30-130
[illegible]orobiphenyl		46	30-130
2-Fluorophenol		50	30-130
Nitrobenzene-d5		50	30-130
Phenol-d5		45	30-130
Terphenyl-d14		72	30-130

[illegible] = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0 06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2145	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.9	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.73	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		93	50-130
Tetrachloro-m-xylene		41	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/12/2004 2313	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	0.40	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	0.46	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	0.35	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	0.38	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	0.42	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	0.34	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	0.28	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	0.29	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	0.38	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	0.33	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	0.39	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	0.40	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	0.29	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	0.27	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	0.39	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	0.35	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		2.0	0.26	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	0.46	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	0.36	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.9	1.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		98	11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		76	50-130
Tetrachloro-m-xylene		40	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1508	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**5700**		**3800**	**660**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-004**
Description: **BH-30c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1200**
% Solids: **85.0** **06/29/2004 1700**
Date Received: **06/29/2004**

R[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/06/2004 1731	MNM	07/02/2004 1442	16623
1		7471A	1	07/01/2004 2010	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/07/2004 1813	MNM	07/02/2004 1442	16623

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**18000**		**59**	**34**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.5	0.54	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.6**		**1.5**	**1.2**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**110**		**7.6**	**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.32	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.59	0.18	mg/kg	1
Calcium	7440-70-2	6010B	ND		1500	260	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**18**		**1.5**	**0.66**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**3.8**	**J**	**7.6**	**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**11**		**1.5**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**23000**		**29**	**24**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.1**		**1.5**	**0.71**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**1900**		**1500**	**230**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**150**		**4.4**	**2.6**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.098	0.0094	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**6.8**	**J**	**12**	**2.6**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**2900**		**1500**	**300**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.5	1.4	mg/kg	1
[illegible]	7440-22-4	6010B	ND		1.5	0.86	mg/kg	2
[illegible]m	7440-23-5	6010B	ND		1500	320	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**10**		**2.9**	**2.7**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**35**		**15**	**6.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**28**		**15**	**6.5**	**mg/kg**	**1**

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-005**
Description: **Trip Blank-19**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1315**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1652	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.76**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-005**
Description: **Trip Blank-19**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1315**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		100	70-130

L = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-006**
Description: **BH-30a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1130**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 1919	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**22**	**BJ**	**32**	**2.8**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		7.9	1.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.9	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.9	1.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.9	2.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.9	2.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.9	2.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.9	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.9	2.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.9	1.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.9	1.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.9	2.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.9	0.99	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.9	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.9	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.9	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.9	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.9	1.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.9	2.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.9	1.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.9	2.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.9	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.9	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.9	1.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.9	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		16	2.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.9	0.63	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.9	4.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		7.9	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		7.9	1.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.9	0.74	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.9	3.6	ug/kg	1
Toluene	108-88-3	8260B	ND		7.9	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.9	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.9	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.9	3.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		16	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.9	4.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-006**
Description: **BH-30a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1130**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		102	68-124

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-006**

Description: **BH-30a** Matrix: **Solid**

Date Sampled: ***06/28/2004 1130*** % Solids: **88.3** ***06/29/2004 1700***

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1335	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	11	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	49	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		920	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		920	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		920	7.3	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		920	71	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-006**

Description: **BH-30a** Matrix: **Solid**

Date Sampled: **06/28/2004 1130** % Solids: **88.3** **06/29/2004 1700**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1335	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		920	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		920	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		58	30-130
[illegible]orobiphenyl		44	30-130
2-Fluorophenol		50	30-130
Nitrobenzene-d5		51	30-130
Phenol-d5		46	30-130
Terphenyl-d14		71	30-130

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-006**
Description: **BH-30a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1130**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/14/2004 0219	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		56	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-006**
Description: **BH-30a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1130**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1532	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**14000**		**3700**	**640**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

L = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-007**

Description: **BH-30b** Matrix: **Solid**

Date Sampled: **06/28/2004 1140** % Solids: **85.1** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 1942	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**22**	**BJ**	**34**	**3.1**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		8.6	1.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.6	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.6	3.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.6	2.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.6	3.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.6	2.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.6	2.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.6	1.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.6	1.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.6	2.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.6	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.6	1.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.6	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.6	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.6	2.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.6	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.6	1.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8.6	2.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.6	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.6	2.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.6	1.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.6	1.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.6	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.6	0.68	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.6	4.4	ug/kg	1
Naphthalene	91-20-3	8260B	ND		8.6	2.0	ug/kg	1
Styrene	100-42-5	8260B	ND		8.6	1.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.6	0.80	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		8.6	3.9	ug/kg	1
Toluene	108-88-3	8260B	ND		8.6	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.6	1.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.6	1.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		8.6	3.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		17	1.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.6	5.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-007**
Description: **BH-30b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1140**
% Solids: **85.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		98	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-007**
Description: **BH-30b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1140**
% Solids: **85.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1402	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

POL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-007**
Description: **BH-30b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1140**
% Solids: **85.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1402	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		49	30-130
[illegible]robiphenyl		48	30-130
2-Fluorophenol		55	30-130
Nitrobenzene-d5		56	30-130
Phenol-d5		50	30-130
Terphenyl-d14		76	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-007**
Description: **BH-30b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1140**
% Solids: **85.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2211	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.9	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.73	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	50-130
Tetrachloro-m-xylene		47	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-007**
Description: **BH-30b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1140**
% Solids: **85.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1555	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	2800	J	3900	670	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2004	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**19**	**BJ**	**28**	**2.5**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		7.0	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.0	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.0	0.98	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.0	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.0	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.0	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.0	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.0	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.0	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.0	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.0	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.0	0.88	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.0	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.0	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.0	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.0	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.0	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.0	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.0	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.0	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.0	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.0	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.0	0.95	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.0	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.0	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.0	0.56	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.0	3.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		7.0	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		7.0	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.0	0.66	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.0	3.2	ug/kg	1
Toluene	108-88-3	8260B	ND		7.0	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.0	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.0	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.0	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.0	4.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		101	68-124

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1428	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	64	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	43	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	7.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	72	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1428	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		50	30-130
[illegible]orobiphenyl		50	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		58	30-130
Phenol-d5		52	30-130
Terphenyl-d14		86	30-130

[illegible] = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2224	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130
Tetrachloro-m-xylene		38	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-008**
Description: **BH-24b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1445**
% Solids: **88.3** **06/29/2004 1700**
Date Received: **06/29/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1618	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**750**	**J**	**3700**	**640**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-009**
Description: **BH-19b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1340**
% Solids: **85.9** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2026	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**	**BJ**	**28**	**2.6**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		7.1	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.1	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.1	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.1	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.1	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.1	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.1	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.1	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.1	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.1	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.1	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.1	0.90	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.1	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.1	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.1	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.1	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.1	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.1	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.1	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.1	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.1	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.1	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.1	0.97	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.1	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.1	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.1	0.57	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.1	3.7	ug/kg	1
Naphthalene	91-20-3	8260B	ND		7.1	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		7.1	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.1	0.67	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.1	3.3	ug/kg	1
Toluene	108-88-3	8260B	ND		7.1	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.1	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.1	1.1	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**80**		**7.1**	**2.7**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.1	4.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-009**
Description: **BH-19b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1340**
% Solids: **85.9 06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		99	68-124

= Practical quantitation limit
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-009**

Description: **BH-19b** Matrix: **Solid**

Date Sampled: **06/28/2004 1340** % Solids: **85.9** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1455	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-009**
Description: **BH-19b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1340**
% Solids: **85.9** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1455	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		49	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		58	30-130
Nitrobenzene-d5		60	30-130
Phenol-d5		54	30-130
Terphenyl-d14		75	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-009**
Description: **BH-19b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1340**
% Solids: **85.9** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2237	MTR	07/02/2004 1735	16618

Parameter	CAS *Number*	Analytical *Method*	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.72	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		99	50-130
Tetrachloro-m-xylene		49	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-009**
Description: **BH-19b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1340**
% Solids: **85.9** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1641	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3800	660	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-010**

Description: **BH-19a** Matrix: **Solid**

Date Sampled: **06/28/2004 1320** % Solids: **88.8** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2049	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**17**	**BJ**	**27**	**2.4**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	0.85	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.54	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.7	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	3.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**8.7**		**6.7**	**2.6**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		13	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-010**
Description: **BH-19a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1320**
% Solids: **88.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		100	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-010**

Description: **BH-19a** Matrix: **Solid**

Date Sampled: **06/28/2004 1320** % Solids: **88.8** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1521	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	49	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	64	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	43	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	7.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	72	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-19a**
Date Sampled: **06/28/2004 1320**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-010**
Matrix: **Solid**
% Solids: **88.8** **06/29/2004 1700**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1521	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		56	30-130
[illegible]orobiphenyl		52	30-130
2-Fluorophenol		56	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		48	30-130
Terphenyl-d14		76	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-19a**
Date Sampled: **06/28/2004 1320**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-010**
Matrix: **Solid**
% Solids: **88.8** **06/29/2004 1700**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2251	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		76	50-130
Tetrachloro-m-xylene		54	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-010**
Description: **BH-19a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1320**
% Solids: **88.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1704	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**42000**		**3600**	**620**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-19c**
Date Sampled: **06/28/2004 1355**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-011**
Matrix: **Solid**
% Solids: **81.1** **06/29/2004 1700**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2110	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**21**	**BJ**	**34**	**3.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		8.4	1.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.4	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.4	3.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.4	2.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.4	3.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.4	2.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.4	1.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.4	1.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.4	2.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.4	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.4	1.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.4	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.4	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.4	2.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.4	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.4	1.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8.4	2.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.4	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.4	2.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.4	1.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.4	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.4	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.4	0.68	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.4	4.4	ug/kg	1
Naphthalene	91-20-3	8260B	ND		8.4	2.0	ug/kg	1
Styrene	100-42-5	8260B	ND		8.4	1.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.4	0.79	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		8.4	3.9	ug/kg	1
Toluene	108-88-3	8260B	ND		8.4	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.4	1.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.4	1.3	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**640**		**8.4**	**3.2**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		17	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.4	4.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**	Laboratory ID: **FF29012-011**
Description: **BH-19c**	Matrix: **Solid**
Date Sampled: **06/28/2004 1355**	% Solids: **81.1** **06/29/2004 1700**
Date Received: **06/29/2004**	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-011**

Description: **BH-19c** Matrix: **Solid**

Date Sampled: **06/28/2004 1355** % Solids: **81.1** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1548	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	33	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	54	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	48	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	27	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		400	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		400	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		400	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	69	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	47	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	30	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	78	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		400	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-011**
Description: **BH-19c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1355**
% Solids: **81.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1548	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		400	23	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		820	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	21	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		400	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	43	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	43	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	16	ug/kg	1
Phenol	108-95-2	8270C	ND		400	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		400	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	21	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		48	30-130
[illegible]luorobiphenyl		48	30-130
2-Fluorophenol		55	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		50	30-130
Terphenyl-d14		77	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-011**
Description: **BH-19c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1355**
% Solids: **81.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2304	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.3	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.2	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.7	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.7	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.7	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.76	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		99	50-130
Tetrachloro-m-xylene		49	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-011**
Description: **BH-19c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1355**
% Solids: **81.1** **06/29/2004 1700**
Date Received: **06/29/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1728	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**3100**	**J**	**4000**	**700**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

[illegible]L = Practical quantitation limit
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J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-012**
Description: **BH-24a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1430**
% Solids: **78.5** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2133	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	2.5	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	0.87	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.9	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.9	3.2	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**	Laboratory ID: **FF29012-012**
Description: **BH-24a**	Matrix: **Solid**
Date Sampled: **06/28/2004 1430**	% Solids: **78.5** **06/29/2004 1700**
Date Received: **06/29/2004**	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-012**

Description: **BH-24a** Matrix: **Solid**

Date Sampled: **06/28/2004 1430** % Solids: **78.5** **06/29/2004 1700**

Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1615	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	17	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	35	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	18	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	23	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	22	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	18	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	18	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	17	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	13	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	56	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	50	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	28	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		420	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		420	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		420	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	72	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	17	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	22	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	49	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	31	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	36	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	26	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	17	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	82	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	21	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	38	ug/kg	1
Isophorone	78-59-1	8270C	ND		420	20	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	15	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL *J = Estimated result less than the PQL* *P = The RPD between two GC columns exceeds 40%*

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-012**
Description: **BH-24a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1430**
% Solids: **78.5** **06/29/2004 1700**
Date Received: **06/29/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
3550B	8270C	1	07/09/2004 1615	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		420	24	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		850	40	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	22	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		420	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	18	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	30	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	30	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	25	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	19	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	45	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	44	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	17	ug/kg	1
Phenol	108-95-2	8270C	ND		420	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		420	19	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	22	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		46	30-130
2-Fluorobiphenyl		44	30-130
2-Fluorophenol		48	30-130
Nitrobenzene-d5		49	30-130
Phenol-d5		45	30-130
Terphenyl-d14		73	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-012**
Description: **BH-24a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1430**
% Solids: **78.5** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2317	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	3.4	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	6.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	3.8	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	3.8	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	3.8	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	1.3	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	0.79	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		54	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-012**
Description: **BH-24a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1430**
% Solids: **78.5** **06/29/2004 1700**
Date Received: **06/29/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
3550B	8015B	1	07/03/2004 1751	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		4100	720	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		74	50-130

Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-013**
Description: **Trip Blank-20**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1719	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.4**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.75**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-013**
Description: **Trip Blank-20**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		98	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0910	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.61	0.061	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	50	07/12/2004 1409	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1600**	**BJ**	**1700**	**150**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**120**	**J**	**430**	**94**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		430	94	ug/kg	1
Bromoform	75-25-2	8260B	ND		430	60	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		430	150	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**400**	**J**	**850**	**200**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		430	110	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		430	150	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		430	130	ug/kg	1
Chloroethane	75-00-3	8260B	ND		430	110	ug/kg	1
Chloroform	67-66-3	8260B	ND		430	71	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		430	85	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		430	130	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		430	54	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		430	72	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		430	79	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		430	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		430	130	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		430	62	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		430	85	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		430	140	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		430	65	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		430	130	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		430	78	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		430	58	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		430	70	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		430	94	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		850	110	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		430	34	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		850	130	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		430	220	ug/kg	1
Naphthalene	91-20-3	8260B	ND		430	100	ug/kg	1
Styrene	100-42-5	8260B	ND		430	94	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		430	40	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		430	200	ug/kg	1
Toluene	108-88-3	8260B	ND		430	120	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**3000**		**430**	**72**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		430	67	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**12000**		**430**	**160**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		850	73	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**380**	**J**	**430**	**250**	**ug/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-22b**
Date Sampled: **06/28/2004 1625**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-014**
Matrix: **Solid**
% Solids: **81.6** **06/29/2004 1700**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		92	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-014**

Description: **BH-22b** Matrix: **Solid**

Date Sampled: **06/28/2004 1625** % Solids: **81.6** **06/29/2004 1700**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1641	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	33	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	12	ug/kg	1
[illegible]-butyl phthalate	84-74-2	8270C	ND		400	54	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		400	48	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	27	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		400	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		400	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		400	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	69	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	47	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.1	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	30	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	78	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		400	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	14	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1641	DC	07/03/2004 0820	16626

Parameter	CAS *Number*	Analytical *Method*	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		400	23	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		820	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	21	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		400	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	43	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	43	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	16	ug/kg	1
Phenol	108-95-2	8270C	ND		400	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		400	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	21	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		67	30-130
2-Fluorobiphenyl		51	30-130
2-Fluorophenol		58	30-130
Nitrobenzene-d5		63	30-130
Phenol-d5		54	30-130
Terphenyl-d14		90	30-130

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ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2330	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.3	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.1	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.7	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.7	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.7	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.76	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		88	50-130

= Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	10	07/13/2004 1317	MTR	07/02/2004 1735	16618
2	3550B	8081A	10	07/13/2004 1304	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		21	4.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		21	4.8	ug/kg	1
beta-BHC	319-85-7	8081A	ND		21	3.7	ug/kg	1
delta-BHC	319-86-8	8081A	ND		21	3.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		21	4.4	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		21	3.6	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		21	2.9	ug/kg	1
4,4'-DDD	**72-54-8**	**8081A**	**49**	**P**	**21**	**3.1**	**ug/kg**	**2**
4,4'-DDE	72-55-9	8081A	ND		21	3.9	ug/kg	1
4,4'-DDT	**50-29-3**	**8081A**	**39**	**P**	**21**	**3.4**	**ug/kg**	**2**
Dieldrin	60-57-1	8081A	ND		21	4.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		21	4.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		21	3.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		21	2.8	ug/kg	1
Endrin	72-20-8	8081A	ND		21	4.0	ug/kg	1
Endrin aldehyde	**7421-93-4**	**8081A**	**35**		**21**	**3.7**	**ug/kg**	**1**
Endrin ketone	53494-70-50	8081A	ND		21	2.7	ug/kg	1
Heptachlor	76-44-8	8081A	ND		21	4.8	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		21	3.8	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		82	16	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		1000	110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		0.0	50-130		0.0	50-130
Tetrachloro-m-xylene		0.0	50-130		15	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	20	07/04/2004 0217	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**11000000**		**80000**	**14000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		0.0	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-014**
Description: **BH-22b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1625**
% Solids: **81.6** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/06/2004 1738	MNM	07/02/2004 1442	16623
1		7471A	1	07/01/2004 2011	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/07/2004 1819	MNM	07/02/2004 1442	16623
3	3050B	6010B	5	07/08/2004 1420	MNM	07/02/2004 1442	16623

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**33000**		**61**	**36**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.5	0.56	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.8**		**1.5**	**1.2**	**mg/kg**	**3**
Barium	**7440-39-3**	**6010B**	**270**		**8.0**	**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.34	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.61	0.18	mg/kg	1
Calcium	7440-70-2	6010B	ND		1500	280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**37**		**1.5**	**0.68**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**22**		**8.0**	**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**25**		**1.5**	**1.3**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**52000**		**31**	**25**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**20**		**1.5**	**0.74**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**10000**		**1500**	**240**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**1100**		**4.6**	**2.7**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	0.0098	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**35**		**12**	**2.7**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**14000**		**1500**	**310**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.5	1.4	mg/kg	1
Silver	7440-22-4	6010B	ND		1.5	0.89	mg/kg	2
Sodium	7440-23-5	6010B	ND		1500	340	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**20**		**3.1**	**2.8**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**62**		**15**	**6.4**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**130**		**15**	**6.8**	**mg/kg**	**1**

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-015**

Description: **BH-22c** Matrix: **Solid**

Date Sampled: **06/28/2004 1700** % Solids: **72.7** **06/29/2004 1700**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	500	07/12/2004 1431	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**13000**	**BJ**	**18000**	**1600**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**1300**	**J**	**4600**	**1000**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		4600	1000	ug/kg	1
Bromoform	75-25-2	8260B	ND		4600	640	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4600	1600	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9100	2200	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4600	1200	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4600	1600	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4600	1400	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4600	1200	ug/kg	1
Chloroform	67-66-3	8260B	ND		4600	760	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4600	910	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4600	1400	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4600	580	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4600	780	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4600	850	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4600	1200	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4600	1400	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4600	670	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4600	910	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4600	1600	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4600	700	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4600	1400	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4600	830	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4600	620	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4600	750	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**11000**		**4600**	**1000**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		9100	1200	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4600	360	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9100	1400	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4600	2400	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**37000**		**4600**	**1100**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		4600	1000	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4600	430	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4600	2100	ug/kg	1
Toluene	**108-88-3**	**8260B**	**4200**	**J**	**4600**	**1300**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**30000**		**4600**	**780**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		4600	720	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**95000**		**4600**	**1700**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		9100	790	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**39000**		**4600**	**2600**	**ug/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-22c**
Date Sampled: **06/28/2004 1700**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-015**
Matrix: **Solid**
% Solids: **72.7** **06/29/2004 1700**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		119	47-138
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-22c**
Date Sampled: **06/28/2004 1700**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-015**
Matrix: **Solid**
% Solids: **72.7** **06/29/2004 1700**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	20	07/10/2004 1716	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		9100	280	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		9100	360	ug/kg	1
Anthracene	120-12-7	8270C	ND		9100	400	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		9100	300	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		9100	660	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		9100	610	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		9100	620	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		9100	750	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		9100	380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		9100	290	ug/kg	1
Carbazole	86-74-8	8270C	ND		9100	270	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		9100	510	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		9100	470	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		9100	400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		9100	380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		9100	350	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		9100	430	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		9100	380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		9100	360	ug/kg	1
Chrysene	218-01-9	8270C	ND		9100	280	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		9100	1200	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		9100	1100	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		9100	600	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		9100	360	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		9100	310	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		9100	350	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		9100	400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		23000	1600	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		9100	370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		9100	350	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		9100	260	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		9100	470	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		23000	1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		23000	180	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		9100	670	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		9100	790	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		9100	570	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		9100	290	ug/kg	1
Fluorene	86-73-7	8270C	ND		9100	350	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		9100	360	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		9100	370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		23000	1800	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		9100	450	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		9100	820	ug/kg	1
Isophorone	78-59-1	8270C	ND		9100	430	ug/kg	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**4500**	**J**	**9100**	**330**	**ug/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-015**
Description: **BH-22c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1700**
% Solids: **72.7** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	20	07/10/2004 1716	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		9100	510	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		18000	860	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		9100	460	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		9100	300	ug/kg	1
Naphthalene	**91-20-3**	**8270C**	**400**	**J**	**9100**	**380**	**ug/kg**	**1**
2-Nitroaniline	88-74-4	8270C	ND		9100	640	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		9100	650	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		9100	540	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		9100	420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		9100	980	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		23000	3900	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		23000	960	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**660**	**J**	**9100**	**370**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		9100	430	ug/kg	1
Pyrene	129-00-0	8270C	ND		9100	390	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		9100	420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		9100	470	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		9100	500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		316	30-130
2-Fluorobiphenyl		50	30-130
2-Fluorophenol		66	30-130
Nitrobenzene-d5		93	30-130
Phenol-d5		53	30-130
Terphenyl-d14		73	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-015**
Description: **BH-22c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1700**
% Solids: **72.7** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	20	07/19/2004 1738	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		470	74	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		470	140	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		470	82	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		470	82	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		470	82	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		470	28	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		470	17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		0.0	50-130
Tetrachloro-m-xylene		0.0	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-015**
Description: **BH-22c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1700**
% Solids: **72.7** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	100	07/04/2004 0240	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**28000000**		**450000**	**78000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		0.0	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-016**
Description: **BH-22a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1610**
% Solids: **90.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/12/2004 1133	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**24**	**BJ**	**28**	**2.5**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	0.87	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.9	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.9	3.2	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**18**		**6.9**	**2.6**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-22a**
Date Sampled: **06/28/2004 1610**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-016**
Matrix: **Solid**
% Solids: **90.1** **06/29/2004 1700**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-016**
Description: **BH-22a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1610**
% Solids: **90.1 06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1735	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		360	48	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		360	43	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		910	62	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		910	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		910	7.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		910	70	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-016**
Description: **BH-22a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1610**
% Solids: **90.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1735	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		730	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	39	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		910	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		910	38	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	15	ug/kg	1
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		56	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		60	30-130
Phenol-d5		54	30-130
Terphenyl-d14		80	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-016**
Description: **BH-22a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1610**
% Solids: **90.1** **06/29/2004 1700**
Date Received: **06/29/2004**

R	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 2356	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.5	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.3	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.69	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		104	50-130
Tetrachloro-m-xylene		66	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-22a**
Date Sampled: **06/28/2004 1610**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-016**
Matrix: **Solid**
% Solids: **90.1** **06/29/2004 1700**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/06/2004 1357	MTR	07/04/2004 1154	16637

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3600	630	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-017**
Description: **Trip Blank-21**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1315**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1747	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.5**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.88**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-017**
Description: **Trip Blank-21**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1315**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		98	70-130

POL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the POL
J = Estimated result less than the POL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-26a**
Date Sampled: **06/28/2004 1740**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-018**
Matrix: **Solid**
% Solids: **89.8** **06/29/2004 1700**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2154	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**	**BJ**	**28**	**2.6**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		7.1	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.1	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.1	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.1	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.1	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.1	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.1	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.1	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.1	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.1	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.1	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.1	0.90	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.1	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.1	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.1	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.1	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.1	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.1	1.4	ug/kg	1
[illegible]Dichloroethene	75-35-4	8260B	ND		7.1	2.4	ug/kg	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		7.1	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.1	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.1	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.1	0.97	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.1	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.1	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.1	0.57	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.1	3.7	ug/kg	1
Naphthalene	91-20-3	8260B	ND		7.1	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		7.1	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.1	0.67	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.1	3.3	ug/kg	1
Toluene	108-88-3	8260B	ND		7.1	2.0	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**2.0**	**J**	**7.1**	**1.2**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.1	1.1	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**20**		**7.1**	**2.7**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		14	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.1	4.1	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-018**
Description: **BH-26a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1740**
% Solids: **89.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-018**
Description: **BH-26a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1740**
% Solids: **89.8** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1828	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		370	49	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		370	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		920	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		920	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		920	7.3	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		920	71	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-018**
Description: **BH-26a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1740**
% Solids: **89.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1828	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		920	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		920	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		56	30-130
2-Fluorobiphenyl		57	30-130
2-Fluorophenol		62	30-130
Nitrobenzene-d5		63	30-130
Phenol-d5		56	30-130
Terphenyl-d14		76	30-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-018**
Description: **BH-26a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1740**
% Solids: **89.8** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/14/2004 0009	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.3	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.69	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		52	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-018**
Description: **BH-26a**
Matrix: **Solid**
Date Sampled: **06/28/2004 1740**
% Solids: **89.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/06/2004 1420	MTR	07/04/2004 1154	16637

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3700	630	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-019**
Description: **BH-26b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1800**
% Solids: **67.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/09/2004 2217	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**33**	**BJ**	**42**	**3.8**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		10	2.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		10	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		10	1.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10	3.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		21	5.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		10	2.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		10	3.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		10	3.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		10	2.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		10	1.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10	2.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		10	3.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		10	1.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		10	1.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		10	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		10	2.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		10	3.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		10	1.5	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		10	2.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		10	3.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		10	1.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		10	3.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		10	1.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10	1.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10	1.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		10	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		21	2.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		10	0.85	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		21	3.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		10	5.5	ug/kg	1
Naphthalene	91-20-3	8260B	ND		10	2.5	ug/kg	1
Styrene	100-42-5	8260B	ND		10	2.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10	0.99	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		10	4.9	ug/kg	1
Toluene	108-88-3	8260B	ND		10	3.0	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**5.5**	**J**	**10**	**1.8**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		10	1.7	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**69**		**10**	**4.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		21	1.8	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		10	6.1	ug/kg	1

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-26b**
Date Sampled: **06/28/2004 1800**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-019**
Matrix: **Solid**
% Solids: **67.1** **06/29/2004 1700**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-019**

Description: **BH-26b** Matrix: **Solid**

Date Sampled: **06/28/2004 1800** % Solids: **67.1** **06/29/2004 1700**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1854	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		480	15	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		480	19	ug/kg	1
Anthracene	120-12-7	8270C	ND		480	21	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		480	16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		480	35	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		480	33	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		480	33	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		480	40	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		480	20	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		480	16	ug/kg	1
Carbazole	86-74-8	8270C	ND		480	14	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		480	27	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		480	25	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		480	21	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		480	20	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		480	18	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		480	23	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		480	20	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		480	19	ug/kg	1
Chrysene	218-01-9	8270C	ND		480	15	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		480	64	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		480	58	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		480	32	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		480	19	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		480	17	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		480	19	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		480	21	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1200	83	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		480	20	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		480	18	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		480	14	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		480	25	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1200	56	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1200	9.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		480	36	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		480	42	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		480	30	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		480	15	ug/kg	1
Fluorene	86-73-7	8270C	ND		480	19	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		480	19	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		480	20	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1200	94	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		480	24	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		480	44	ug/kg	1
Isophorone	78-59-1	8270C	ND		480	23	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		480	17	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-019**
Description: **BH-26b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1800**
% Solids: **67.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1854	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		480	27	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		980	46	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		480	25	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		480	16	ug/kg	1
Naphthalene	91-20-3	8270C	ND		480	20	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		480	34	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		480	35	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		480	29	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		480	22	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		480	52	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1200	210	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1200	51	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		480	20	ug/kg	1
Phenol	108-95-2	8270C	ND		480	23	ug/kg	1
Pyrene	129-00-0	8270C	ND		480	21	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		480	22	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		480	25	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		480	27	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		58	30-130
2-Fluorobiphenyl		54	30-130
2-Fluorophenol		59	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		50	30-130
Terphenyl-d14		73	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-019**
Description: **BH-26b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1800**
% Solids: **67.1** **06/29/2004 1700**
Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/14/2004 0022	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		25	4.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		25	7.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		25	4.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		25	4.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		25	4.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		25	1.5	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		25	0.92	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		103	50-130
Tetrachloro-m-xylene		51	50-130

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ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-019**
Description: **BH-26b**
Matrix: **Solid**
Date Sampled: **06/28/2004 1800**
% Solids: **67.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/06/2004 1444	MTR	07/04/2004 1154	16637

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	2000	J	4800	840	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		69	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5035	8260B	1	07/09/2004 2239	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**21**	**BJ**	**27**	**2.4**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**1.6**	**J**	**6.7**	**1.5**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		6.7	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	0.84	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.7	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	3.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	1.9	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**37**		**6.7**	**1.1**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.0	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**290**		**6.7**	**2.5**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		13	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

= Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

R[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 2014	DC	07/05/2004 1220	16642

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		350	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		350	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		350	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		350	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		350	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		350	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		350	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		350	29	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		350	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		350	11	ug/kg	1
Carbazole	86-74-8	8270C	ND		350	10	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		350	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		350	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		350	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		350	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		350	13	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		350	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		350	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		350	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		350	11	ug/kg	1
D[illegible]butyl phthalate	84-74-2	8270C	ND		350	47	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		350	42	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		350	23	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		350	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		350	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		350	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		350	15	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		890	61	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		350	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		350	13	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		350	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		350	18	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		890	41	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		890	7.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		350	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		350	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		350	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		350	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		350	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		350	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		350	14	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		890	68	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		350	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		350	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		350	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		350	13	ug/kg	1

[illegible] = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 2014	DC	07/05/2004 1220	16642

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		350	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		720	33	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		350	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		350	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		350	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		350	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		350	25	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		350	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		350	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		350	38	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		890	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		890	67	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		350	14	ug/kg	1
Phenol	108-95-2	8270C	ND		350	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		350	15	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		350	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		350	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		350	19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		62	30-130
2-Fluorobiphenyl		56	30-130
2-Fluorophenol		64	30-130
Nitrobenzene-d5		65	30-130
Phenol-d5		58	30-130
Terphenyl-d14		78	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/14/2004 0035	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.2	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.2	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.2	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.67	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		92	50-130
Tetrachloro-m-xylene		48	50-130

PQL = Practical quantitation limit
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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-020**
Description: **Dup-05**
Matrix: **Solid**
Date Sampled: **06/28/2004 1830**
% Solids: **92.1** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/06/2004 1530	MTR	07/04/2004 1154	16637

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3600	620	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		77	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF29012-021**

Description: **BH-26c** Matrix: **Solid**

Date Sampled: **06/28/2004 1840** % Solids: **73.8** **06/29/2004 1700**

Date Received: **06/29/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/10/2004 0135	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**21**	**BJ**	**32**	**2.9**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**5.5**	**J**	**8.0**	**1.8**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		8.0	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.0	1.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.0	2.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.0	2.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.0	2.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.0	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.0	2.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.0	1.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.0	1.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.0	2.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.0	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.0	1.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.0	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.0	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.0	2.4	ug/kg	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**1.6**	**J**	**8.0**	**1.2**	**ug/kg**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		8.0	1.6	ug/kg	1
[illegible]ichloroethene	**75-35-4**	**8260B**	**8.0**		**8.0**	**2.7**	**ug/kg**	**1**
[illegible],2-Dichloroethene	**156-59-2**	**8260B**	**1.4**	**J**	**8.0**	**1.2**	**ug/kg**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.0	2.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.0	1.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.0	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.0	1.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.0	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		16	2.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.0	0.64	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.0	4.2	ug/kg	1
Naphthalene	91-20-3	8260B	ND		8.0	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		8.0	1.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.0	0.75	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		8.0	3.7	ug/kg	1
Toluene	108-88-3	8260B	ND		8.0	2.2	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**160**		**8.0**	**1.4**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.0	1.3	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**870**	**E**	**8.0**	**3.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		16	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.0	4.6	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-26c**
Date Sampled: **06/28/2004 1840**
Date Received: **06/29/2004**

Laboratory ID: **FF29012-021**
Matrix: **Solid**
% Solids: **73.8** **06/29/2004 1700**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		98	68-124

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-021**
Description: **BH-26c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1840**
% Solids: **73.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 2040	DC	07/05/2004 1220	16642

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		440	14	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		440	18	ug/kg	1
Anthracene	120-12-7	8270C	ND		440	20	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		440	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		440	32	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		440	30	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		440	30	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		440	37	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		440	19	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		440	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		440	13	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		440	25	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		440	23	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		440	20	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		440	19	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		440	17	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		440	21	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		440	19	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		440	18	ug/kg	1
Chrysene	218-01-9	8270C	ND		440	14	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		440	59	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		440	54	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		440	30	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		440	18	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		440	15	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		440	17	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		440	19	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	77	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		440	18	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		440	17	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		440	13	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		440	23	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	52	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	8.9	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		440	33	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		440	39	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		440	28	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		440	14	ug/kg	1
Fluorene	86-73-7	8270C	ND		440	17	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		440	18	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		440	18	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	87	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		440	22	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		440	40	ug/kg	1
Isophorone	78-59-1	8270C	ND		440	21	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		440	16	ug/kg	1

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-021**
Description: **BH-26c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1840**
% Solids: **73.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 2040	DC	07/05/2004 1220	16642

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		440	25	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		900	42	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		440	23	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		440	15	ug/kg	1
Naphthalene	91-20-3	8270C	ND		440	19	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		440	31	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		440	32	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		440	26	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		440	20	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		440	48	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	190	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	47	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		440	18	ug/kg	1
Phenol	108-95-2	8270C	ND		440	21	ug/kg	1
Pyrene	129-00-0	8270C	ND		440	19	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		440	20	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		440	23	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		440	24	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		55	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		57	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		51	30-130
Terphenyl-d14		71	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-021**
Description: **BH-26c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1840**
% Solids: **73.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/14/2004 0048	MTR	07/02/2004 1735	16618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	3.6	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	6.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	4.1	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	4.1	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	4.1	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	1.4	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	0.84	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	50-130
Tetrachloro-m-xylene		56	50-130

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF29012-021**
Description: **BH-26c**
Matrix: **Solid**
Date Sampled: **06/28/2004 1840**
% Solids: **73.8** **06/29/2004 1700**
Date Received: **06/29/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/06/2004 1554	MTR	07/04/2004 1154	16637

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	9200		4400	770	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34125

Client	MACTEC
Report to Contact	Harry Morris
Telephone No. / Fax No. / E-mail	864-288-5116 / 864-297-7938
Quote No.	
Address	1327 Miller Rd - Suite A
Sampler's Signature	x Susan Kelly
Waybill No.	
Page 1 of 3	
City	Greenville
State	SC
Zip Code	29607
Printed Name	Susan Kelly
Project Name	Mills Gap Road Site
Project No.	6690-03-9450.08
P.O. No.	
Lot No.	FF29012

Analysis (Attach list if more space is needed.)

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL VOCs	TCL SVOCs	TPH DRO	TCL PCBs	TCL Pesticides	CN	TAL metals				Remarks / Cooler I.D.
RB-04	6/28/04	1000	G	✓			4			5			3	2	2	2							cooler 1
FB-05	6/28/04	1000		✓						3			3										cooler 1
TRIP BLANK-18				✓						2			2										cooler 1
BH-30c	6/28/04	12:00			✓		6			4			4	1	1	1	1	1	1				cooler 1
Trip Blank-19				✓						2			2										cooler 2
BH-30a	6/28/04	11:30					3			4			4	1	1	1							cooler 2
BH-30b	6/28/04	11:40			✓		3			4			4	1	1	1							cooler 2
BH-24b	6/28/04	14:45			✓		3			4			4	1	1	1							cooler 2
BH-19b	6/28/04	13:40			✓		3			4			4	1	1	1							cooler 2
~~BH-20a~~ BH-19a	6/28	13:20	✓		✓		3			4			4	1	1	1							cooler 2

Rmc 7/29/04

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☑ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify): water - Level 4 ; soil - LEVEL 3

1. Relinquished by: ~~Susan Kelly~~ Heather Destefano - MACTEC	Date: 6/27/04	Time: 1645	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FedEx	Date	Time	3. Laboratory received by: M. Shae Walter	Date: 6/29/04	Time: 0900

Comments

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack

Receipt Temp. 9.4 °C, 2.6

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34731

Client: MACTEC	Report to Contact: Terry Morris	Telephone No. / Fax No. / E-mail: 864-288-5716 / 864-297-7938	Quote No.
Address: 1327 Miller Rd - Suite A	Sampler's Signature: x Susan Kelly	Waybill No.	Page 2 of 3
City: Greenville; State: SC; Zip Code: 29607	Printed Name: Susan Kelly	Analysis (Attach list if more space is needed.)	
Project Name: Mills Gap Road Site			
Project No.: 6690-03-9450.08	P.O. No.		Lot No. FF29012

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL-VOC	TCL-SVOC	TPH-DRO	TCL PCBs	TCL Pesticides	CN	TAL Metals				Remarks / Cooler I.D.
BH-19c	6/28	13:55	6		X		3			4		1	4	1	1	1							cooler 2
BH-24A	6/28/04	1430			✓		3			4		1	4	1	1	1							cooler 3
TRIP BLANK-20				✓						2			2										cooler 3
BH-22b	6/28	16:25	6		✓		3			4		1	4	1	1	1	1	1	1				cooler 3
BH-22c		17:00	6		✓		3					1	4	1	1	1							cooler 3
BH-22a		16:10	6		✓		3					1	4	1	1	1							cooler 3
TRIP BLANK-21				✓						2			2										cooler 4
fmc ~~BH-25a~~ BH-26a		17:40	6	✓			3			2		1	4	1	1	1							cooler 4
fmc ~~BH-25b~~ BH-26b		18:00		✓			3					1	4	1	1	1							
Dup-05	✓	18:30		✓			3					1	4	1	1	1							✓

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☑ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Specify) Heather DeStefano

QC Requirements (Specify): Water - LEVEL 4 ; Soil - LEVEL 3

1. Relinquished by: ~~Susan Kelly~~ - MACTEC	Date: 6/28/04	Time: 1845	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FedEx	Date	Time	3. Laboratory received by: M. Shane Walker	Date: 6/29/04	Time: 0900
Comments			LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack	Receipt Temp. 7.4 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 3[illegible]30

Client: MACTEC	Report to Contact: Harry Morris	Telephone No. / Fax No. / E-mail: 864-288-5116 / 297-7938	Quote No.
Address: 327 Miller Rd. Suite A	Sampler's Signature: X [signature]	Waybill No.	Page 3 of 3
City: Greenville; State: SC; Zip Code: 29607	Printed Name: Heather DiStefano	Analysis (Attach list if more space is needed.)	
Project Name: CTS Mills Gap Rd.			
Project No.: 6690-03-9450.08	P.O. No.		Lot No.: FF29012

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL VOC	TCL-SVOC	TPH-DRO	TCL-PCBs	TCL-Pesticides	CN	TAL Metals				Remarks / Cooler I.D.
~~BH-25C~~ BH-26C	6/28	18:40	6		✓		3					1	4	1	1	1							Cooler 4

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify): Water level 4 DQO / Soil Level 3

1. Relinquished by: Heather DiStefano	Date: 6/28/04	Time: 1845	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FedEx	Date	Time	3. Laboratory received by: M. Shaw Walters	Date: 6/29/04	Time: 0900
Comments			LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack	Receipt Temp. 1.3 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Sample Receipt Checklist

Client: MacTec Cooler Inspected by/date: MSW 10/29/04 Lot #: FF29012

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler temperature upon receipt 9.4, 7.4, °C 1.3, 2.6
Method: ☑ Temperature Blank ☐ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.

Yes ☑	No ☐	NA ☐	3. Is the shipper's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures followed? not relinquished to FedEx
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	6. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container labels agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	15. Was headspace >6 mm present in any VOA vials?
Yes ☐	No ☐	NA ☑	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. Were all NH3/TKN/cyanide/BNA/pest/PCB/herb (<0.2 mg/L) and toxicity (<0.1 mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s) _____ were received with headspace >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐
Did client respond: Yes ☐ No ☐
Date of response: _____
SESI employee: _____
Comments:

-004 → made 40 mL w/ SB
~~-00 → BH20a (402 + soil kit labeled as BH-19a)~~
logged in according to COC + matched up w/ times

COC changed BH-25a,b+c to BH-26a,b+c per client. Also changed BH-20a to BH-19
7-21-04 PMC

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: ***6690-03-9450.08***

Lot Number: **FF26011**

Date Completed: **07/21/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF26011

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOCs-
Sample -015 was reported with an "E" qualifier for the compound trichloroethene. A dilution reanalysis was not possible within the holding time and was therefore reported from the original analysis, and flagged accordingly.
Sample -012 was diluted greater than 5X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits as a result of this dilution.
The blank analyzed on 7/08/04 had several compounds detected at concentrations above the MDL, but below the PQL. All samples associated with this blank, that had detections for the affected compounds have been flagged with a "B".
The LCS/LCSD analyzed on 7/08/04 had several compound outside of the 20% limit for RPD. Because the acceptance limits were met, no further corrective action was necessary.

GC/MS SVOCs-
Sample -002 was diluted due to evidence of matrix interference. No more concentrated analysis was possible.

Pesticides-
Samples -008 and -016 were diluted greater than 5X due to the sample matrix interfering with the baseline resolution.

DRO-
There were unknown hydrocarbon patterns present in samples -016,-024 and -027 through -029.
There were diesel patterns present in samples -002, -009 through -012, -015 and -019.
There was a pattern resembling that of hydraulic oil present in sample -006. The surrogate was recovered outside of the acceptance limits in the sample due to the sample matrix.
Samples -002, -010, -012 were diluted greater than 5X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits as a result of these dilutions.
Sample -009 was diluted at 2X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits as a result of the sample matrix.

Inorganic Metals-
The closing CCB analyzed on 7/08/04 had the analyte antimony detected at a concentration slightly above the PQL. The associated method blank had no detections for antimony, and there were no detections above the PQL for antimony in the samples associated with this CCB.
The method blank for prep batch #16502 had several analytes detected above the MDL, but below the PQL. All samples associated with this blank, that have detections for the affected analytes have been flagged with a "B".

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF26011

Sample Number	Sample ID	Matrix	Date Sampled
001	Trip Blank-13	Aqueous	06/25/2004 1300
002	BH-23B	Solid	06/25/2004 0830
003	BH-28A	Solid	06/25/2004 0900
004	BH-28B	Solid	06/25/2004 0930
005	BH-27A	Solid	06/25/2004 0950
006	BH-23A	Solid	06/25/2004 0815
007	Trip Blank-14	Aqueous	06/25/2004 1300
008	BH-21C	Solid	06/25/2004 1615
009	BH-21B	Solid	06/25/2004 1540
010	BH-21C	Solid	06/25/2004 1615
011	BH-21A	Solid	06/25/2004 1515
012	DUP-04	Solid	06/25/2004 1645
013	Trip Blank-15	Aqueous	06/25/2004 1730
014	BH-27B	Solid	06/25/2004 1015
015	BH-28B	Solid	06/25/2004 0930
016	BH-27C	Solid	06/25/2004 1030
017	RB-03	Aqueous	06/25/2004 1600
018	FB-04	Aqueous	06/25/2004 1600
019	BH-25C	Solid	06/25/2004 1430
020	BH-25A	Solid	06/25/2004 1400
021	Trip Blank-16	Aqueous	06/25/2004 1300
022	RB-03	Aqueous	06/25/2004 1600
023	BH-31C	Solid	06/25/2004 1140
024	BH-25B	Solid	06/25/2004 1420
025	Trip Blank-16	Aqueous	06/25/2004 1115
026	BH-31C	Solid	06/25/2004 1140
027	BH-31B	Solid	06/25/2004 1120
028	BH-31A	Solid	06/25/2004 1100
029	DUP-03	Solid	06/25/2004 1200

(29 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF26011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	Trip Blank-13	Aqueous	Acetone	8260B	5.7	J	ug/L	5
001	Trip Blank-13	Aqueous	Chloroform	8260B	0.64	BJ	ug/L	5
002	BH-23B	Solid	Cyanide - Total	9012A	0.25	J	mg/kg	7
002	BH-23B	Solid	Ethylbenzene	8260B	260	J	ug/kg	8
002	BH-23B	Solid	1,1,1-Trichloroethane	8260B	13000		ug/kg	8
002	BH-23B	Solid	Trichloroethene	8260B	33000		ug/kg	8
002	BH-23B	Solid	Xylenes (total)	8260B	1000	J	ug/kg	8
002	BH-23B	Solid	2-Methylnaphthalene	8270C	3700	J	ug/kg	10
002	BH-23B	Solid	Phenanthrene	8270C	2200	J	ug/kg	11
002	BH-23B	Solid	Pyrene	8270C	530	J	ug/kg	11
002	BH-23B	Solid	4,4'-DDD	8081A	14	J	ug/kg	13
002	BH-23B	Solid	4,4'-DDT	8081A	15	J	ug/kg	13
002	BH-23B	Solid	TPH-DRO	8015B	6000000		ug/kg	14
002	BH-23B	Solid	Aluminum	6010B	24000	B	mg/kg	15
002	BH-23B	Solid	Antimony	6010B	0.68	J	mg/kg	15
002	BH-23B	Solid	Arsenic	6010B	1.9	B	mg/kg	15
002	BH-23B	Solid	Barium	6010B	88	B	mg/kg	15
002	BH-23B	Solid	Beryllium	6010B	1.7		mg/kg	15
002	BH-23B	Solid	Cadmium	6010B	0.50	J	mg/kg	15
002	BH-23B	Solid	Calcium	6010B	290	BJ	mg/kg	15
002	BH-23B	Solid	Chromium	6010B	21	B	mg/kg	15
002	BH-23B	Solid	Cobalt	6010B	14		mg/kg	15
002	BH-23B	Solid	Copper	6010B	68	B	mg/kg	15
002	BH-23B	Solid	Iron	6010B	31000	B	mg/kg	15
002	BH-23B	Solid	Lead	6010B	10	B	mg/kg	15
002	BH-23B	Solid	Magnesium	6010B	4800		mg/kg	15
002	BH-23B	Solid	Manganese	6010B	480	B	mg/kg	15
002	BH-23B	Solid	Nickel	6010B	19		mg/kg	15
002	BH-23B	Solid	Potassium	6010B	5000		mg/kg	15
002	BH-23B	Solid	Vanadium	6010B	35	B	mg/kg	15
002	BH-23B	Solid	Zinc	6010B	100	B	mg/kg	15
003	BH-28A	Solid	Acetone	8260B	14	J	ug/kg	16
003	BH-28A	Solid	2-Butanone (MEK)	8260B	3.7	J	ug/kg	16
004	BH-28B	Solid	Cyanide - Total	9012A	0.094	J	mg/kg	22
004	BH-28B	Solid	Aluminum	6010B	35000	B	mg/kg	24
004	BH-28B	Solid	Arsenic	6010B	1.6	B	mg/kg	24
004	BH-28B	Solid	Barium	6010B	210	B	mg/kg	24
004	BH-28B	Solid	Beryllium	6010B	1.4		mg/kg	24
004	BH-28B	Solid	Cadmium	6010B	0.70		mg/kg	24
004	BH-28B	Solid	Calcium	6010B	480	BJ	mg/kg	24
004	BH-28B	Solid	Chromium	6010B	25	B	mg/kg	24
004	BH-28B	Solid	Cobalt	6010B	21		mg/kg	24
004	BH-28B	Solid	Copper	6010B	6.1	B	mg/kg	24
004	BH-28B	Solid	Iron	6010B	34000	B	mg/kg	24

Executive Summary (Continued)

Lot Number: FF26011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	BH-28B	Solid	Lead	6010B	7.6	B	mg/kg	24
004	BH-28B	Solid	Magnesium	6010B	7400		mg/kg	24
004	BH-28B	Solid	Manganese	6010B	510	B	mg/kg	24
004	BH-28B	Solid	Nickel	6010B	27		mg/kg	24
004	BH-28B	Solid	Potassium	6010B	11000		mg/kg	24
004	BH-28B	Solid	Selenium	6010B	1.5	BJ	mg/kg	24
004	BH-28B	Solid	Vanadium	6010B	36	B	mg/kg	24
004	BH-28B	Solid	Zinc	6010B	150	B	mg/kg	24
006	BH-23A	Solid	Tetrachloroethene	8260B	17		ug/kg	31
006	BH-23A	Solid	1,1,1-Trichloroethane	8260B	63		ug/kg	31
006	BH-23A	Solid	Trichloroethene	8260B	600		ug/kg	31
006	BH-23A	Solid	TPH-DRO	8015B	280000		ug/kg	36
007	Trip Blank-14	Aqueous	Acetone	8260B	8.5	J	ug/L	37
007	Trip Blank-14	Aqueous	Chloroform	8260B	0.64	BJ	ug/L	37
008	BH-21C	Solid	gamma-BHC (Lindane)	8081A	32	J	ug/kg	40
008	BH-21C	Solid	4,4'-DDD	8081A	260	P	ug/kg	40
008	BH-21C	Solid	Endosulfan II	8081A	80		ug/kg	40
008	BH-21C	Solid	Endosulfan sulfate	8081A	190	P	ug/kg	40
008	BH-21C	Solid	Endrin	8081A	95	P	ug/kg	40
008	BH-21C	Solid	Endrin aldehyde	8081A	250	P	ug/kg	40
008	BH-21C	Solid	Aluminum	6010B	16000		mg/kg	41
008	BH-21C	Solid	Arsenic	6010B	3.1		mg/kg	41
008	BH-21C	Solid	Barium	6010B	110		mg/kg	41
008	BH-21C	Solid	Chromium	6010B	10		mg/kg	41
008	BH-21C	Solid	Cobalt	6010B	4.7	J	mg/kg	41
008	BH-21C	Solid	Copper	6010B	6.6		mg/kg	41
008	BH-21C	Solid	Iron	6010B	13000		mg/kg	41
008	BH-21C	Solid	Lead	6010B	13		mg/kg	41
008	BH-21C	Solid	Magnesium	6010B	2500		mg/kg	41
008	BH-21C	Solid	Manganese	6010B	240		mg/kg	41
008	BH-21C	Solid	Nickel	6010B	14		mg/kg	41
008	BH-21C	Solid	Potassium	6010B	3300		mg/kg	41
008	BH-21C	Solid	Thallium	6010B	8.5		mg/kg	41
008	BH-21C	Solid	Vanadium	6010B	21		mg/kg	41
008	BH-21C	Solid	Zinc	6010B	52		mg/kg	41
009	BH-21B	Solid	Ethylbenzene	8260B	220	J	ug/kg	42
009	BH-21B	Solid	2-Hexanone	8260B	1100		ug/kg	42
009	BH-21B	Solid	Toluene	8260B	280	J	ug/kg	42
009	BH-21B	Solid	Trichloroethene	8260B	14000		ug/kg	42
009	BH-21B	Solid	Xylenes (total)	8260B	1300		ug/kg	42
009	BH-21B	Solid	Phenanthrene	8270C	21	J	ug/kg	45
009	BH-21B	Solid	TPH-DRO	8015B	730000		ug/kg	47
010	BH-21C	Solid	Ethylbenzene	8260B	4200		ug/kg	48
010	BH-21C	Solid	Methylene chloride	8260B	1800	J	ug/kg	48
010	BH-21C	Solid	Naphthalene	8260B	5100		ug/kg	48
010	BH-21C	Solid	Toluene	8260B	2100	J	ug/kg	48
010	BH-21C	Solid	1,1,1-Trichloroethane	8260B	1400	J	ug/kg	48
010	BH-21C	Solid	Trichloroethene	8260B	50000		ug/kg	48

Executive Summary (Continued)

Lot Number: FF26011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
010	BH-21C	Solid	Xylenes (total)	8260B	15000		ug/kg	48
010	BH-21C	Solid	2-Methylnaphthalene	8270C	130	J	ug/kg	50
010	BH-21C	Solid	Phenanthrene	8270C	100	J	ug/kg	51
010	BH-21C	Solid	TPH-DRO	8015B	5900000		ug/kg	53
011	BH-21A	Solid	Acetone	8260B	14	J	ug/kg	54
011	BH-21A	Solid	Trichloroethene	8260B	5.5		ug/kg	54
011	BH-21A	Solid	TPH-DRO	8015B	7800		ug/kg	59
012	DUP-04	Solid	Benzene	8260B	170	J	ug/kg	60
012	DUP-04	Solid	Ethylbenzene	8260B	2000		ug/kg	60
012	DUP-04	Solid	Toluene	8260B	870		ug/kg	60
012	DUP-04	Solid	1,1,1-Trichloroethane	8260B	670		ug/kg	60
012	DUP-04	Solid	1,1,2-Trichloroethane	8260B	83	J	ug/kg	60
012	DUP-04	Solid	Trichloroethene	8260B	24000		ug/kg	60
012	DUP-04	Solid	Xylenes (total)	8260B	6500		ug/kg	60
012	DUP-04	Solid	2-Methylnaphthalene	8270C	9600		ug/kg	63
012	DUP-04	Solid	Phenanthrene	8270C	160	J	ug/kg	63
012	DUP-04	Solid	TPH-DRO	8015B	6700000		ug/kg	65
013	Trip Blank-15	Aqueous	Chloroform	8260B	0.57	BJ	ug/L	66
014	BH-27B	Solid	Acetone	8260B	15	J	ug/kg	68
015	BH-28B	Solid	Acetone	8260B	21	J	ug/kg	74
015	BH-28B	Solid	2-Hexanone	8260B	12		ug/kg	74
015	BH-28B	Solid	1,1,2,2-Tetrachloroethane	8260B	19		ug/kg	74
015	BH-28B	Solid	Tetrachloroethene	8260B	11		ug/kg	74
015	BH-28B	Solid	1,1,1-Trichloroethane	8260B	58		ug/kg	74
015	BH-28B	Solid	Trichloroethene	8260B	780		ug/kg	74
015	BH-28B	Solid	TPH-DRO	8015B	440000		ug/kg	79
016	BH-27C	Solid	Acetone	8260B	14	J	ug/kg	81
016	BH-27C	Solid	TPH-DRO	8015B	9600		ug/kg	87
016	BH-27C	Solid	Aluminum	6010B	26000		mg/kg	88
016	BH-27C	Solid	Arsenic	6010B	3.9		mg/kg	88
016	BH-27C	Solid	Barium	6010B	170		mg/kg	88
016	BH-27C	Solid	Chromium	6010B	38		mg/kg	88
016	BH-27C	Solid	Cobalt	6010B	30		mg/kg	88
016	BH-27C	Solid	Copper	6010B	17		mg/kg	88
016	BH-27C	Solid	Iron	6010B	50000		mg/kg	88
016	BH-27C	Solid	Lead	6010B	12		mg/kg	88
016	BH-27C	Solid	Magnesium	6010B	7800		mg/kg	88
016	BH-27C	Solid	Manganese	6010B	1000		mg/kg	88
016	BH-27C	Solid	Nickel	6010B	23		mg/kg	88
016	BH-27C	Solid	Potassium	6010B	11000		mg/kg	88
016	BH-27C	Solid	Selenium	6010B	1.6		mg/kg	88
016	BH-27C	Solid	Thallium	6010B	17		mg/kg	88
016	BH-27C	Solid	Vanadium	6010B	74		mg/kg	88
016	BH-27C	Solid	Zinc	6010B	100		mg/kg	88
017	RB-03	Aqueous	Chloroform	8260B	0.59	BJ	ug/L	89
018	FB-04	Aqueous	Chloroform	8260B	0.60	BJ	ug/L	91
019	BH-25C	Solid	Acetone	8260B	15	J	ug/kg	93
019	BH-25C	Solid	Naphthalene	8260B	3.2	J	ug/kg	93

Executive Summary (Continued)

Lot Number: FF26011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
019	BH-25C	Solid	1,1,1-Trichloroethane	8260B	3.7	J	ug/kg	93
019	BH-25C	Solid	Trichloroethene	8260B	87		ug/kg	93
019	BH-25C	Solid	TPH-DRO	8015B	150000		ug/kg	98
020	BH-25A	Solid	Acetone	8260B	15	J	ug/kg	99
021	Trip Blank-16	Aqueous	Chloroform	8260B	0.66	BJ	ug/L	105
023	BH-31C	Solid	Aluminum	6010B	26000		mg/kg	113
023	BH-31C	Solid	Arsenic	6010B	1.6		mg/kg	113
023	BH-31C	Solid	Barium	6010B	150		mg/kg	113
023	BH-31C	Solid	Chromium	6010B	42		mg/kg	113
023	BH-31C	Solid	Cobalt	6010B	24		mg/kg	113
023	BH-31C	Solid	Copper	6010B	32		mg/kg	113
023	BH-31C	Solid	Iron	6010B	49000		mg/kg	113
023	BH-31C	Solid	Lead	6010B	22		mg/kg	113
023	BH-31C	Solid	Magnesium	6010B	5900		mg/kg	113
023	BH-31C	Solid	Manganese	6010B	580		mg/kg	113
023	BH-31C	Solid	Nickel	6010B	20		mg/kg	113
023	BH-31C	Solid	Potassium	6010B	9500		mg/kg	113
023	BH-31C	Solid	Selenium	6010B	2.1		mg/kg	113
023	BH-31C	Solid	Thallium	6010B	18		mg/kg	113
023	BH-31C	Solid	Vanadium	6010B	56		mg/kg	113
023	BH-31C	Solid	Zinc	6010B	79		mg/kg	113
024	BH-25B	Solid	Acetone	8260B	19		ug/kg	114
024	BH-25B	Solid	2-Butanone (MEK)	8260B	2.8	J	ug/kg	114
024	BH-25B	Solid	1,1,1-Trichloroethane	8260B	15		ug/kg	114
024	BH-25B	Solid	Trichloroethene	8260B	110		ug/kg	114
024	BH-25B	Solid	TPH-DRO	8015B	4000		ug/kg	119
026	BH-31C	Solid	Acetone	8260B	16	J	ug/kg	122
027	BH-31B	Solid	Acetone	8260B	17	J	ug/kg	128
027	BH-31B	Solid	TPH-DRO	8015B	190000		ug/kg	133
028	BH-31A	Solid	Acetone	8260B	18	J	ug/kg	134
028	BH-31A	Solid	TPH-DRO	8015B	3600	J	ug/kg	139
029	DUP-03	Solid	Acetone	8260B	19	J	ug/kg	140
029	DUP-03	Solid	TPH-DRO	8015B	760	J	ug/kg	145

(173 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-001**
Description: **Trip Blank-13**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1218	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**5.7**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.64**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-001**
Description: **Trip Blank-13**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		90	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0901	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	**57-12-5**	**9012A**	**0.25**	**J**	**0.58**	**0.058**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	200	07/07/2004 1721	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4800	430	ug/kg	1
Benzene	71-43-2	8260B	ND		1200	260	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		1200	260	ug/kg	1
Bromoform	75-25-2	8260B	ND		1200	170	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1200	430	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		2400	580	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		1200	310	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		1200	430	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		1200	360	ug/kg	1
Chloroethane	75-00-3	8260B	ND		1200	310	ug/kg	1
Chloroform	67-66-3	8260B	ND		1200	200	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1200	240	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1200	360	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		1200	150	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1200	200	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1200	220	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1200	310	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1200	360	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		1200	180	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		1200	240	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		1200	410	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1200	180	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1200	360	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		1200	220	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1200	160	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1200	200	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**260**	**J**	**1200**	**260**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		2400	310	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1200	96	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2400	360	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		1200	630	ug/kg	1
Naphthalene	91-20-3	8260B	ND		1200	290	ug/kg	1
Styrene	100-42-5	8260B	ND		1200	260	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1200	110	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		1200	550	ug/kg	1
Toluene	108-88-3	8260B	ND		1200	340	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**13000**		**1200**	**200**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		1200	190	ug/kg	1
Trichloroethene	***79-01-6***	***8260B***	***33000***		***1200***	***460***	***ug/kg***	***1***
Vinyl chloride	75-01-4	8260B	ND		2400	210	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**1000**	**J**	**1200**	**700**	**ug/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-23B**
Date Sampled: **06/25/2004 0830**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-002**
Matrix: **Solid**
% Solids: **85.6** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-002**

Description: **BH-23B** Matrix: **Solid**

Date Sampled: **06/25/2004 0830** % Solids: **85.6** **06/28/2004 0800**

Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	10	07/08/2004 1449	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		3800	120	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		3800	150	ug/kg	1
Anthracene	120-12-7	8270C	ND		3800	170	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		3800	130	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		3800	280	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		3800	260	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		3800	260	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		3800	320	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		3800	160	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		3800	120	ug/kg	1
Carbazole	86-74-8	8270C	ND		3800	110	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		3800	210	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		3800	200	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		3800	170	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		3800	160	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		3800	150	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		3800	180	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		3800	160	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		3800	150	ug/kg	1
Chrysene	218-01-9	8270C	ND		3800	120	ug/kg	1
[illegible]-butyl phthalate	84-74-2	8270C	ND		3800	510	ug/kg	1
[illegible]-octylphthalate	117-84-0	8270C	ND		3800	460	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		3800	260	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		3800	150	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		3800	130	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		3800	150	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		3800	170	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		9700	660	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		3800	160	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		3800	150	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		3800	110	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		3800	200	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		9700	450	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		9700	77	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		3800	280	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		3800	340	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		3800	240	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		3800	120	ug/kg	1
Fluorene	86-73-7	8270C	ND		3800	150	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		3800	160	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		3800	160	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		9700	750	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		3800	190	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		3800	350	ug/kg	1
Isophorone	78-59-1	8270C	ND		3800	180	ug/kg	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**3700**	**J**	**3800**	**140**	**ug/kg**	**1**

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	10	07/08/2004 1449	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		3800	220	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		7800	360	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		3800	200	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		3800	130	ug/kg	1
Naphthalene	91-20-3	8270C	ND		3800	160	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		3800	270	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		3800	280	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		3800	230	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		3800	180	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		3800	420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		9700	1700	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		9700	410	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**2200**	**J**	**3800**	**160**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		3800	180	ug/kg	1
Pyrene	**129-00-0**	**8270C**	**530**	**J**	**3800**	**170**	**ug/kg**	**1**
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		3800	180	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		3800	200	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		3800	210	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		162	30-130
2-Fluorobiphenyl		46	30-130
2-Fluorophenol		55	30-130
Nitrobenzene-d5		52	30-130
Phenol-d5		40	30-130
Terphenyl-d14		68	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = *Detected in the method blank*
J = Estimated result less than the PQL
E = *Quantitation of compound exceeded the calibration range*
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
3550B	8082	1	07/04/2004 1312	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.72	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		101	50-130
Tetrachloro-m-xylene		39	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6 06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	10	07/13/2004 1252	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		20	3.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		20	4.5	ug/kg	1
beta-BHC	319-85-7	8081A	ND		20	3.5	ug/kg	1
delta-BHC	319-86-8	8081A	ND		20	3.7	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		20	4.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		20	3.4	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		20	2.8	ug/kg	1
4,4'-DDD	**72-54-8**	**8081A**	**14**	**J**	**20**	**2.9**	**ug/kg**	**1**
4,4'-DDE	72-55-9	8081A	ND		20	3.7	ug/kg	1
4,4'-DDT	**50-29-3**	**8081A**	**15**	**J**	**20**	**3.2**	**ug/kg**	**1**
Dieldrin	60-57-1	8081A	ND		20	3.8	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		20	3.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		20	2.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		20	2.7	ug/kg	1
Endrin	72-20-8	8081A	ND		20	3.8	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		20	3.5	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		20	2.5	ug/kg	1
Heptachlor	76-44-8	8081A	ND		20	4.5	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		20	3.6	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		77	15	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		960	100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		67	50-130
Tetrachloro-m-xylene		52	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	50	07/03/2004 2205	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**6000000**		**190000**	**33000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		0.0	50-130

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ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-002**
Description: **BH-23B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0830**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/07/2004 2217	FTS	06/29/2004 1718	16502
1		7471A	1	07/01/2004 2000	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/08/2004 1656	MNM	06/29/2004 1718	16502

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**24000**	**B**	**58**	**34**	**mg/kg**	**1**
Antimony	**7440-36-0**	**6010B**	**0.68**	**J**	**1.5**	**0.53**	**mg/kg**	**2**
Arsenic	**7440-38-2**	**6010B**	**1.9**	**B**	**1.5**	**1.2**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**88**	**B**	**7.6**	**1.5**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010B**	**1.7**		**1.2**	**0.32**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.50**	**J**	**0.58**	**0.17**	**mg/kg**	**1**
Calcium	**7440-70-2**	**6010B**	**290**	**BJ**	**1500**	**260**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**21**	**B**	**1.5**	**0.65**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**14**		**7.6**	**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**68**	**B**	**1.5**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**31000**	**B**	**29**	**24**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**10**	**B**	**1.5**	**0.70**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**4800**		**1500**	**230**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**480**	**B**	**4.4**	**2.6**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.097	0.0094	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**19**		**12**	**2.6**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**5000**		**1500**	**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.5	1.4	mg/kg	2
Silver	7440-22-4	6010B	ND		1.5	0.85	mg/kg	2
Sodium	7440-23-5	6010B	ND		1500	320	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	2.7	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**35**	**B**	**15**	**6.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**100**	**B**	**15**	**6.5**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-003**
Description: **BH-28A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0900**
% Solids: **80.1** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 1851	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**14**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**3.7**	**J**	**11**	**2.6**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	0.69	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.80	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.4	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.2	ug/kg	1

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-003**
Description: **BH-28A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0900**
% Solids: **80.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		99	68-124

POL = Practical quantitation limit
ND = Not detected at or above the POL
B = Detected in the method blank
J = Estimated result less than the POL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-28A**
Date Sampled: **06/25/2004 0900**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-003**
Matrix: **Solid**
% Solids: **80.1** **06/28/2004 0800**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2010	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		410	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		410	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		410	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		410	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		410	30	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		410	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		410	28	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		410	34	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		410	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		410	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		410	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		410	23	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		410	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		410	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		410	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		410	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		410	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		410	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		410	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		410	13	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		410	55	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		410	50	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		410	27	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		410	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		410	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		410	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		410	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	71	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		410	17	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		410	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		410	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		410	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	48	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		410	30	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		410	36	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		410	26	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		410	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		410	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		410	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		410	17	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	80	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		410	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		410	37	ug/kg	1
Isophorone	78-59-1	8270C	ND		410	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		410	15	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-003**
Description: **BH-28A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0900**
% Solids: **80.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2010	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		410	23	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		840	39	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		410	21	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		410	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		410	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		410	29	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		410	30	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		410	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		410	19	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		410	44	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	44	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		410	17	ug/kg	1
Phenol	108-95-2	8270C	ND		410	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		410	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		410	19	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		410	21	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		410	23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		58	30-130
2-Fluorobiphenyl		67	30-130
2-Fluorophenol		72	30-130
Nitrobenzene-d5		72	30-130
Phenol-d5		67	30-130
Terphenyl-d14		104	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-003**
Description: **BH-28A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0900**
% Solids: **80.1** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/04/2004 1325	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.3	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.2	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.7	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.7	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.7	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.77	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		79	50-130
Tetrachloro-m-xylene		16	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-003**
Description: **BH-28A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0900**
% Solids: **80.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 2135	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		4100	700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		74	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-004**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **80.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
	(Cyanide - To) 9012A	1	07/02/2004 0903	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	**57-12-5**	**9012A**	**0.094**	**J**	**0.62**	**0.062**	**mg/kg**	**1**

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-004**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **80.0 06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	10	07/20/2004 1106	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		21	4.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		21	4.8	ug/kg	1
beta-BHC	319-85-7	8081A	ND		21	3.7	ug/kg	1
delta-BHC	319-86-8	8081A	ND		21	3.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		21	4.4	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		21	3.6	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		21	2.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		21	3.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		21	3.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		21	3.4	ug/kg	1
Dieldrin	60-57-1	8081A	ND		21	4.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		21	4.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		21	3.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		21	2.8	ug/kg	1
Endrin	72-20-8	8081A	ND		21	4.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		21	3.7	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		21	2.7	ug/kg	1
Heptachlor	76-44-8	8081A	ND		21	4.8	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		21	3.8	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		82	16	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		1000	110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		64	50-130
Tetrachloro-m-xylene		35	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-004**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **80.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/07/2004 2223	FTS	06/29/2004 1718	16502
1		7471A	1	07/01/2004 2001	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/08/2004 1703	MNM	06/29/2004 1718	16502

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**35000**	**B**	**62**	**36**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.6	0.57	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.6**	**B**	**1.6**	**1.2**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**210**	**B**	**8.1**	**1.6**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010B**	**1.4**		**1.2**	**0.34**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.70**		**0.62**	**0.19**	**mg/kg**	**1**
Calcium	**7440-70-2**	**6010B**	**480**	**BJ**	**1600**	**280**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**25**	**B**	**1.6**	**0.70**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**21**		**8.1**	**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**6.1**	**B**	**1.6**	**1.3**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**34000**	**B**	**31**	**25**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.6**	**B**	**1.6**	**0.75**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**7400**		**1600**	**250**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**510**	**B**	**4.7**	**2.8**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	0.010	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**27**		**12**	**2.7**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**11000**		**1600**	**310**	**mg/kg**	**1**
Selenium	**7782-49-2**	**6010B**	**1.5**	**BJ**	**1.6**	**1.5**	**mg/kg**	**1**
Silver	7440-22-4	6010B	ND		1.6	0.91	mg/kg	2
[illegible]m	7440-23-5	6010B	ND		1600	340	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.1	2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**36**	**B**	**16**	**6.5**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**150**	**B**	**16**	**6.9**	**mg/kg**	**1**

[illegible] Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-005**

Description: **BH-27A** Matrix: **Solid**

Date Sampled: **06/25/2004 0950** % Solids: **76.4** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 0123	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	2.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.7	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	0.94	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	0.72	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.83	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	0.86	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.77	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.93	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.7	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.90	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.7	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.98	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-27A**
Date Sampled: **06/25/2004 0950**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-005**
Matrix: **Solid**
% Solids: **76.4** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		103	68-124

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-005**

Description: **BH-27A** Matrix: **Solid**

Date Sampled: **06/25/2004 0950** % Solids: **76.4** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2036	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	32	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	36	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	18	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	13	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	24	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	22	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	19	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	18	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	21	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	18	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	17	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	13	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		430	57	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		430	52	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	29	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	17	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		430	15	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		430	17	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		430	19	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	74	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	18	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	22	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	50	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	8.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	32	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	38	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	27	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	14	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	17	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	18	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	84	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	21	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	39	ug/kg	1
Isophorone	78-59-1	8270C	ND		430	20	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	16	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-005**
Description: **BH-27A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0950**
% Solids: **76.4** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2036	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		430	24	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		880	41	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	22	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		430	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	18	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	30	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	31	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	26	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	20	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	46	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	190	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	46	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	18	ug/kg	1
Phenol	108-95-2	8270C	ND		430	21	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	19	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		430	20	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	22	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	24	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		56	30-130
[illegible]orobiphenyl		57	30-130
2-Fluorophenol		60	30-130
Nitrobenzene-d5		58	30-130
Phenol-d5		54	30-130
Terphenyl-d14		86	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-005**
Description: **BH-27A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0950**
% Solids: **76.4** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/04/2004 1351	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	3.5	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	6.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	3.9	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	3.9	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	3.9	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	1.3	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	0.80	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		78	50-130
Tetrachloro-m-xylene		16	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-005**
Description: **BH-27A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0950**
% Solids: **76.4** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/02/2004 2158	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		4300	740	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		67	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 0146	RZ		
2	5035	8260B	50	07/09/2004 0045	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	2.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.7	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	0.94	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	0.72	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.83	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	0.86	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.77	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.93	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.53	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**17**		**5.7**	**2.6**	**ug/kg**	**1**
Toluene	108-88-3	8260B	ND		5.7	1.6	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**63**		**5.7**	**0.96**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.90	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**600**		**310**	**120**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		11	0.98	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6 06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142		91	53-142
Bromofluorobenzene		95	47-138		95	47-138
Toluene-d8		99	68-124		96	68-124

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2103	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2103	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible] Tribromophenol		54	30-130
[illegible]robiphenyl		56	30-130
2-Fluorophenol		60	30-130
Nitrobenzene-d5		59	30-130
Phenol-d5		56	30-130
Terphenyl-d14		92	30-130

[illegible] = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/04/2004 1404	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		116	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-006**
Description: **BH-23A**
Matrix: **Solid**
Date Sampled: **06/25/2004 0815**
% Solids: **85.6** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 2228	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**280000**		**3800**	**660**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		37	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-007**
Description: **Trip Blank-14**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1246	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**8.5**	**J**	**20**	**1.5**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.64**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-007**
Description: **Trip Blank-14**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		94	70-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-008**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **92.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0907	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.54	0.054	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-008**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **92.5** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	20	07/20/2004 1053	MTR	06/30/2004 0822	16506
2	3550B	8081A	20	07/20/2004 1106	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		36	7.2	ug/kg	2
alpha-BHC	319-84-6	8081A	ND		36	8.2	ug/kg	2
beta-BHC	319-85-7	8081A	ND		36	6.3	ug/kg	2
delta-BHC	319-86-8	8081A	ND		36	6.7	ug/kg	2
gamma-BHC (Lindane)	**58-89-9**	**8081A**	**32**	**J**	**36**	**7.6**	**ug/kg**	**1**
alpha-Chlordane	5103-71-9	8081A	ND		36	6.1	ug/kg	2
gamma-Chlordane	5103-74-2	8081A	ND		36	5.0	ug/kg	2
4,4'-DDD	**72-54-8**	**8081A**	**260**	**P**	**36**	**5.3**	**ug/kg**	**1**
4,4'-DDE	72-55-9	8081A	ND		36	6.7	ug/kg	2
4,4'-DDT	50-29-3	8081A	ND		36	5.9	ug/kg	2
Dieldrin	60-57-1	8081A	ND		36	6.9	ug/kg	2
Endosulfan I	959-98-8	8081A	ND		36	7.2	ug/kg	2
Endosulfan II	**33213-65-9**	**8081A**	**80**		**36**	**5.3**	**ug/kg**	**2**
Endosulfan sulfate	**1031-07-8**	**8081A**	**190**	**P**	**36**	**4.8**	**ug/kg**	**2**
Endrin	**72-20-8**	**8081A**	**95**	**P**	**36**	**6.9**	**ug/kg**	**2**
Endrin aldehyde	**7421-93-4**	**8081A**	**250**	**P**	**36**	**6.3**	**ug/kg**	**1**
Endrin ketone	53494-70-50	8081A	ND		36	4.6	ug/kg	2
Heptachlor	76-44-8	8081A	ND		36	8.2	ug/kg	2
Heptachlor epoxide	1024-57-3	8081A	ND		36	6.5	ug/kg	2
Methoxychlor	72-43-5	8081A	ND		140	28	ug/kg	2
Toxaphene	8001-35-2	8081A	ND		1700	190	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		48	50-130		0.0	50-130
Tetrachloro-m-xylene		92	50-130		134	50-130

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-008**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **92.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/06/2004 1848	MNM	07/02/2004 1442	16623
1		7471A	1	07/01/2004 2003	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/07/2004 1910	MNM	07/02/2004 1442	16623

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**16000**		**54**	**32**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.4	0.49	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.1**		**1.4**	**1.1**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**110**		**7.0**	**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.1	0.30	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.54	0.16	mg/kg	1
Calcium	7440-70-2	6010B	ND		1400	240	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**10**		**1.4**	**0.60**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**4.7**	**J**	**7.0**	**1.3**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**6.6**		**1.4**	**1.2**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**13000**		**27**	**22**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**13**		**1.4**	**0.65**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**2500**		**1400**	**210**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**240**		**4.0**	**2.4**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.090	0.0087	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**14**		**11**	**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**3300**		**1400**	**270**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		1.4	1.3	mg/kg	1
Silver	7440-22-4	6010B	ND		1.4	0.79	mg/kg	2
Sodium	7440-23-5	6010B	ND		1400	300	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**8.5**		**2.7**	**2.5**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**21**		**14**	**5.6**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**52**		**14**	**6.0**	**mg/kg**	**1**

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9 06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	50	07/07/2004 1807	RZ		
2	5035	8260B	100	07/07/2004 2135	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	110	ug/kg	1
Benzene	71-43-2	8260B	ND		310	68	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		310	68	ug/kg	1
Bromoform	75-25-2	8260B	ND		310	43	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		310	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		620	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		310	81	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		310	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		310	93	ug/kg	1
Chloroethane	75-00-3	8260B	ND		310	81	ug/kg	1
Chloroform	67-66-3	8260B	ND		310	52	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		310	62	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		310	93	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		310	39	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		310	53	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		310	58	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		310	81	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		310	93	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		310	45	ug/kg	1
[illegible]ichloroethane	107-06-2	8260B	ND		310	62	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		310	100	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		310	47	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		310	93	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		310	56	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		310	42	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		310	51	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**220**	**J**	**310**	**68**	**ug/kg**	**1**
2-Hexanone	**591-78-6**	**8260B**	**1100**		**620**	**81**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		310	25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		620	93	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		310	160	ug/kg	1
Naphthalene	91-20-3	8260B	ND		310	74	ug/kg	1
Styrene	100-42-5	8260B	ND		310	68	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		310	29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		310	140	ug/kg	1
Toluene	**108-88-3**	**8260B**	**280**	**J**	**310**	**87**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		310	53	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		310	49	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**14000**		**620**	**240**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		620	53	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**1300**		**310**	**180**	**ug/kg**	**1**

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142		84	53-142
Bromofluorobenzene		89	47-138		96	47-138
Toluene-d8		92	68-124		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2129	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2129	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	40	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**21**	**J**	**380**	**15**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		61	30-130
2-Fluorobiphenyl		58	30-130
2-Fluorophenol		64	30-130
Nitrobenzene-d5		64	30-130
Phenol-d5		58	30-130
Terphenyl-d14		97	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/04/2004 1431	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.69	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		152	50-130
Tetrachloro-m-xylene		66	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-009**
Description: **BH-21B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1540**
% Solids: **86.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	2	07/03/2004 2251	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	730000		7400	1300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		142	50-130

POL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-010**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **86.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	500	07/07/2004 1852	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		11000	990	ug/kg	1
Benzene	71-43-2	8260B	ND		2700	600	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2700	600	ug/kg	1
Bromoform	75-25-2	8260B	ND		2700	380	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2700	990	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5500	1300	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2700	710	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2700	990	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2700	820	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2700	710	ug/kg	1
Chloroform	67-66-3	8260B	ND		2700	460	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2700	550	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2700	820	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2700	350	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2700	470	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2700	510	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2700	710	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2700	820	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2700	400	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2700	550	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2700	930	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2700	420	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2700	820	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2700	500	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2700	370	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2700	450	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**4200**		**2700**	**600**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		5500	710	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2700	220	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5500	820	ug/kg	1
Methylene chloride	**75-09-2**	**8260B**	**1800**	**J**	**2700**	**1400**	**ug/kg**	**1**
Naphthalene	**91-20-3**	**8260B**	**5100**		**2700**	**660**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		2700	600	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2700	260	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2700	1300	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2100**	**J**	**2700**	**770**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**1400**	**J**	**2700**	**470**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		2700	430	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**50000**		**2700**	**1000**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		5500	470	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**15000**		**2700**	**1600**	**ug/kg**	**1**

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-21C**
Date Sampled: **06/25/2004 1615**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-010**
Matrix: **Solid**
% Solids: **86.0** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-010**

Description: **BH-21C** Matrix: **Solid**

Date Sampled: **06/25/2004 1615** % Solids: **86.0** **06/28/2004 0800**

Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2156	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.7	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	75	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**130**	**J**	**380**	**14**	**ug/kg**	**1**

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-010**

Description: **BH-21C** Matrix: **Solid**

Date Sampled: **06/25/2004 1615** % Solids: **86.0 06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2156	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	41	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**100**	**J**	**380**	**16**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		107	30-130
2-Fluorobiphenyl		67	30-130
2-Fluorophenol		61	30-130
Nitrobenzene-d5		90	30-130
Phenol-d5		64	30-130
Terphenyl-d14		0.23	30-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-010**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **86.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/04/2004 1444	MTR	06/30/2004 0822	16506

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		57	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-010**
Description: **BH-21C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1615**
% Solids: **86.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	50	07/03/2004 2314	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**5900000**		**190000**	**33000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		0.0	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-011**
Description: **BH-21A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1515**
% Solids: **87.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5035	8260B	1	07/08/2004 1912	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**14**	**J**	**20**	**1.8**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.0	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	0.69	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.9	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	0.82	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.99	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.62	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.84	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.72	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.99	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.75	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.90	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.67	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.81	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.9	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.9	1.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	2.6	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.0	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.47	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	2.3	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.84	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.78	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**5.5**		**5.0**	**1.9**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		9.9	0.85	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	2.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-21A**
Date Sampled: **06/25/2004 1515**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-011**
Matrix: **Solid**
% Solids: **87.5** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-011**
Description: **BH-21A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1515**
% Solids: **87.5** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2222	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		380	45	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	7.5	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	73	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-011**
Description: **BH-21A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1515**
% Solids: **87.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2222	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		59	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		67	30-130
Nitrobenzene-d5		65	30-130
Phenol-d5		60	30-130
Terphenyl-d14		92	30-130

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-011**
Description: **BH-21A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1515**
% Solids: **87.5 06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/12/2004 2355	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/12/2004 2343	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		106	50-130		105	50-130
Tetrachloro-m-xylene		73	50-130		67	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-011**
Description: **BH-21A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1515**
% Solids: **87.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 2337	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**7800**		**3700**	**630**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		72	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-012**
Description: **DUP-04**
Matrix: **Solid**
Date Sampled: **06/25/2004 1645**
% Solids: **93.4** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	50	07/07/2004 1829	RZ		
2	5035	8260B	500	07/09/2004 0108	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	95	ug/kg	1
Benzene	**71-43-2**	**8260B**	**170**	**J**	**260**	**58**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		260	58	ug/kg	1
Bromoform	75-25-2	8260B	ND		260	37	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		260	95	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		530	130	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		260	69	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		260	95	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		260	80	ug/kg	1
Chloroethane	75-00-3	8260B	ND		260	69	ug/kg	1
Chloroform	67-66-3	8260B	ND		260	44	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		260	53	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		260	80	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		260	33	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		260	45	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		260	49	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		260	69	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		260	80	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		260	39	ug/kg	1
[illegible]ichloroethane	107-06-2	8260B	ND		260	53	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		260	90	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		260	40	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		260	80	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		260	48	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		260	36	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		260	43	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**2000**		**260**	**58**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		530	69	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		260	21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		530	80	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		260	140	ug/kg	1
Naphthalene	91-20-3	8260B	ND		260	64	ug/kg	1
Styrene	100-42-5	8260B	ND		260	58	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		260	25	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		260	120	ug/kg	1
Toluene	**108-88-3**	**8260B**	**870**		**260**	**74**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**670**		**260**	**45**	**ug/kg**	**1**
1,1,2-Trichloroethane	**79-00-5**	**8260B**	**83**	**J**	**260**	**42**	**ug/kg**	**1**
Trichloroethene	**79-01-6**	**8260B**	**24000**		**2600**	**1000**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		530	46	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**6500**		**260**	**150**	**ug/kg**	**1**

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Client: **MACTEC Engineering and Consulting, Inc.**
Description: **DUP-04**
Date Sampled: **06/25/2004 1645**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-012**
Matrix: **Solid**
% Solids: **93.4** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142		95	53-142
Bromofluorobenzene		93	47-138		110	47-138
Toluene-d8		97	68-124		0.0	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-012**
Description: **DUP-04**
Matrix: **Solid**
Date Sampled: **06/25/2004 1645**
% Solids: **93.4** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2249	DC	06/30/2004 1640	16526
2	3550B	8270C	5	07/08/2004 1516	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		350	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		350	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		350	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		350	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		350	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		350	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		350	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		350	29	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		350	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		350	11	ug/kg	1
Carbazole	86-74-8	8270C	ND		350	10	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		350	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		350	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		350	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		350	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		350	13	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		350	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		350	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		350	14	ug/kg	1
[illegible]ene	218-01-9	8270C	ND		350	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		350	47	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		350	42	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		350	23	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		350	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		350	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		350	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		350	15	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		890	61	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		350	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		350	13	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		350	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		350	18	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		890	41	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		890	7.1	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		350	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		350	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		350	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		350	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		350	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		350	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		350	14	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		890	69	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		350	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		350	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		350	17	ug/kg	1

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-012**

Description: **DUP-04** Matrix: **Solid**

Date Sampled: **06/25/2004 1645** % Solids: **93.4** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2249	DC	06/30/2004 1640	16526
2	3550B	8270C	5	07/08/2004 1516	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylnaphthalene	**91-57-6**	**8270C**	**9600**		**1800**	**64**	**ug/kg**	**2**
2-Methylphenol	95-48-7	8270C	ND		350	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		720	33	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		350	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		350	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		350	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		350	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		350	25	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		350	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		350	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		350	38	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		890	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		890	37	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**160**	**J**	**350**	**14**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		350	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		350	15	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		350	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		350	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		350	19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		113	30-130		113	30-130
2-Fluorobiphenyl		70	30-130		45	30-130
2-Fluorophenol		61	30-130		58	30-130
Nitrobenzene-d5		94	30-130		75	30-130
Phenol-d5		60	30-130		60	30-130
Terphenyl-d14		122	30-130		68	30-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-012**
Description: **DUP-04**
Matrix: **Solid**
Date Sampled: **06/25/2004 1645**
% Solids: **93.4** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0008	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/12/2004 2355	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.2	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.2	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.2	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.66	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		116	50-130		120	50-130
Tetrachloro-m-xylene		35	50-130		37	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-012**
Description: **DUP-04**
Matrix: **Solid**
Date Sampled: **06/25/2004 1645**
% Solids: **93.4** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	50	07/04/2004	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**6700000**		**170000**	**30000**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		0.0	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-013**
Description: **Trip Blank-15**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1730**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1313	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.57**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-013**
Description: **Trip Blank-15**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1730**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 1935	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**15**	**J**	**24**	**2.1**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.9	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2315	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	35	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	18	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	13	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	24	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	22	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	19	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	18	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	18	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	17	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	13	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		430	57	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		430	52	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	28	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	17	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		430	15	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		430	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		430	19	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	74	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	17	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	22	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	50	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	8.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	32	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	37	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	27	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	14	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	18	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	83	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	21	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	39	ug/kg	1
Isophorone	78-59-1	8270C	ND		430	20	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	15	ug/kg	1

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2315	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		430	24	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		870	40	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	22	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		430	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	18	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	30	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	31	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	25	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	20	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	46	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	46	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	17	ug/kg	1
Phenol	108-95-2	8270C	ND		430	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		430	20	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	22	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	24	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		58	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		66	30-130
Nitrobenzene-d5		63	30-130
Phenol-d5		59	30-130
Terphenyl-d14		101	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0021	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0008	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	3.5	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	6.5	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	3.9	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	3.9	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	3.9	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		22	1.3	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	0.81	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		184	50-130		184	50-130
Tetrachloro-m-xylene		76	50-130		68	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-014**
Description: **BH-27B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1015**
% Solids: **76.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 0016	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		4300	740	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-015**

Description: **BH-28B** Matrix: **Solid**

Date Sampled: **06/25/2004 0930** % Solids: **84.4** **06/28/2004 0800**

Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 1956	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**21**	**J**	**23**	**2.1**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.8	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	1.3	ug/kg	1
2-Hexanone	**591-78-6**	**8260B**	**12**		**12**	**1.5**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.8	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	**79-34-5**	**8260B**	**19**		**5.8**	**0.55**	**ug/kg**	**1**
Tetrachloroethene	**127-18-4**	**8260B**	**11**		**5.8**	**2.7**	**ug/kg**	**1**
Toluene	108-88-3	8260B	ND		5.8	1.6	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**58**		**5.8**	**1.0**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**780**		**5.8**	**2.2**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-28B**
Date Sampled: **06/25/2004 0930**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-015**
Matrix: **Solid**
% Solids: **84.4** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-015**

Description: **BH-28B** Matrix: **Solid**

Date Sampled: **06/25/2004 0930** % Solids: **84.4** **06/28/2004 0800**

Date Received: **06/26/2004**

[redacted]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2341	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
[redacted]butyl phthalate	84-74-2	8270C	ND		390	52	ug/kg	1
[redacted]octylphthalate	117-84-0	8270C	ND		390	47	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		980	67	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		980	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		980	7.8	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		980	76	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

[redacted] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-015**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **84.4** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/07/2004 2341	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		790	37	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		980	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		980	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		60	30-130
2-Fluorobiphenyl		59	30-130
2-Fluorophenol		65	30-130
Nitrobenzene-d5		64	30-130
Phenol-d5		59	30-130
Terphenyl-d14		89	30-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-015**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **84.4** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0035	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0021	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.9	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.73	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130		154	50-130
Tetrachloro-m-xylene		94	50-130		89	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-015**
Description: **BH-28B**
Matrix: **Solid**
Date Sampled: **06/25/2004 0930**
% Solids: **84.4 06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 0039	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	440000		3800	660	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		117	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0908	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.64	0.064	mg/kg	1

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2019	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**14**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	0.68	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.4	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**	Laboratory ID: **FF26011-016**
Description: **BH-27C**	Matrix: **Solid**
Date Sampled: **06/25/2004 1030**	% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		100	68-124

= Practical quantitation limit
ND = *Not detected at or above the PQL*
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-016**

Description: **BH-27C** Matrix: **Solid**

Date Sampled: **06/25/2004 1030** % Solids: **78.5 06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 0008	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	13	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	17	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	35	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	18	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	14	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	23	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	22	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	18	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	16	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	20	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	18	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	17	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	13	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	56	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	50	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	28	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		420	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		420	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		420	18	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	72	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	17	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	16	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	12	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	22	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	49	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	31	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	36	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	26	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	13	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	16	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	17	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	17	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	82	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	21	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	38	ug/kg	1
Isophorone	78-59-1	8270C	ND		420	20	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	15	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 0008	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		420	24	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		850	40	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	22	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		420	14	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	18	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	30	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	30	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	25	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	19	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	45	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	180	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	44	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	17	ug/kg	1
Phenol	108-95-2	8270C	ND		420	20	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	18	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		420	19	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	22	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		54	30-130
2-Fluorobiphenyl		60	30-130
2-Fluorophenol		64	30-130
Nitrobenzene-d5		62	30-130
Phenol-d5		56	30-130
Terphenyl-d14		98	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	10	07/19/2004 1537	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		220	34	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		220	64	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		220	38	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		220	38	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		220	38	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		220	13	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		220	7.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		147	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	20	07/12/2004 2131	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		43	8.7	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		43	9.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		43	7.6	ug/kg	1
delta-BHC	319-86-8	8081A	ND		43	8.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		43	9.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		43	7.4	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		43	6.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		43	6.4	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		43	8.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		43	7.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		43	8.4	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		43	8.7	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		43	6.4	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		43	5.8	ug/kg	1
Endrin	72-20-8	8081A	ND		43	8.4	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		43	7.6	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		43	5.6	ug/kg	1
Heptachlor	76-44-8	8081A	ND		43	9.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		43	7.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		170	34	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		2100	230	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		69	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-016**
Description: **BH-27C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1030**
% Solids: **78.5** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 0102	MTR	07/01/2004 1132	16547

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**9600**		**4200**	**720**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-016**

Description: **BH-27C** Matrix: **Solid**

Date Sampled: **06/25/2004 1030** % Solids: **78.5** **06/28/2004 0800**

Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/06/2004 1854	MNM	07/02/2004 1442	16623
1		7471A	1	07/01/2004 2005	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/07/2004 1917	MNM	07/02/2004 1442	16623

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**26000**		**64**	**37**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.6	0.58	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.9**		**1.6**	**1.3**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**170**		**8.3**	**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.3	0.35	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.64	0.19	mg/kg	1
Calcium	7440-70-2	6010B	ND		1600	290	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**38**		**1.6**	**0.71**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**30**		**8.3**	**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**17**		**1.6**	**1.4**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**50000**		**32**	**26**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**12**		**1.6**	**0.77**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**7800**		**1600**	**250**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**1000**		**4.8**	**2.8**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	0.010	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**23**		**13**	**2.8**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**11000**		**1600**	**320**	**mg/kg**	**1**
Selenium	**7782-49-2**	**6010B**	**1.6**		**1.6**	**1.5**	**mg/kg**	**1**
[illegible]	7440-22-4	6010B	ND		1.6	0.93	mg/kg	2
[illegible]m	7440-23-5	6010B	ND		1600	350	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**17**		**3.2**	**3.0**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**74**		**16**	**6.6**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**100**		**16**	**7.0**	**mg/kg**	**1**

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-017**
Description: **RB-03**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1340	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.59**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-017**
Description: **RB-03**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		104	70-130

= Practical quantitation limit
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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-018**
Description: **FB-04**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1408	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.60**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-018**
Description: **FB-04**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		106	70-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-019**
Description: **BH-25C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1430**
% Solids: **86.2** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2041	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**15**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.78	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	0.70	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.95	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**3.2**	**J**	**5.6**	**1.3**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.52	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.6	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**3.7**	**J**	**5.6**	**0.95**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.88	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**87**		**5.6**	**2.1**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		11	0.96	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-25C**
Date Sampled: **06/25/2004 1430**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-019**
Matrix: **Solid**
% Solids: **86.2** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		114	47-138
Toluene-d8		103	68-124

Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-019**

Description: **BH-25C** Matrix: **Solid**

Date Sampled: **06/25/2004 1430** % Solids: **86.2** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1611	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	51	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-019**
Description: **BH-25C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1430**
% Solids: **86.2** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1611	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	41	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	16	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		62	30-130
[illegible]luorobiphenyl		66	30-130
2-Fluorophenol		71	30-130
Nitrobenzene-d5		71	30-130
Phenol-d5		64	30-130
Terphenyl-d14		82	30-130

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-019**
Description: **BH-25C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1430**
% Solids: **86.2** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/19/2004 1550	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.72	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	50-130
Tetrachloro-m-xylene		51	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-019**
Description: **BH-25C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1430**
% Solids: **86.2** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1204	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**150000**		**3700**	**650**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		89	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2103	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**15**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.91	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	0.69	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.93	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.80	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.90	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.5	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.93	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0 06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		100	68-124

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1637	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	11	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		360	48	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		360	43	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		360	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		360	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		360	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		900	62	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		900	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		900	7.2	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	31	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		900	70	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		360	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	13	ug/kg	1

POL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1637	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		360	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		730	34	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		360	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	39	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		900	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		900	38	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	14	ug/kg	1
Phenol	108-95-2	8270C	ND		360	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		360	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]-Tribromophenol		62	30-130
[illegible]orobiphenyl		68	30-130
2-Fluorophenol		70	30-130
Nitrobenzene-d5		71	30-130
Phenol-d5		65	30-130
Terphenyl-d14		87	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0114	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0101	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.3	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.3	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.3	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.67	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		239	50-130		233	50-130
Tetrachloro-m-xylene		97	50-130		94	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-020**
Description: **BH-25A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1400**
% Solids: **92.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1227	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3500	600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		74	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-021**
Description: **Trip Blank-16**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1435	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.66**	**BJ**	**5.0**	**0.30**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

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ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-021**
Description: **Trip Blank-16**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1300**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		95	70-130

= Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-022**

Description: **RB-03** Matrix: **Aqueous**

Date Sampled: ***06/25/2004 1600***

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2108	DC	06/30/2004 0940	16505

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.4	1.3	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.4	1.3	ug/L	1
Anthracene	120-12-7	8270C	ND		5.4	1.2	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.4	0.64	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.4	0.54	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.4	0.64	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.4	0.86	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.4	1.1	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.4	1.3	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		11	2.2	ug/L	1
Carbazole	86-74-8	8270C	ND		5.4	1.8	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.4	1.7	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.4	0.87	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.4	1.6	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.4	1.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.4	1.4	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.4	1.4	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.4	1.5	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.4	1.7	ug/L	1
Chrysene	218-01-9	8270C	ND		5.4	0.75	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.4	1.8	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.4	1.3	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.4	1.4	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.4	1.3	ug/L	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		5.4	1.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		5.4	1.4	ug/L	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		5.4	1.4	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		27	2.8	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.4	1.3	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.4	2.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.4	1.5	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.4	1.5	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		27	8.7	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		27	5.2	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		11	4.1	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		11	3.6	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.4	1.8	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.4	1.5	ug/L	1
Fluorene	86-73-7	8270C	ND		5.4	1.5	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.4	1.3	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.4	1.5	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		27	4.3	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.4	1.3	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.4	2.5	ug/L	1
Isophorone	78-59-1	8270C	ND		5.4	1.5	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.4	1.6	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-022**
Description: **RB-03**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	07/01/2004 2108	DC	06/30/2004 0940	16505

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		5.4	1.2	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		11	2.9	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.4	1.5	ug/L	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		5.4	1.1	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.4	1.4	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		11	2.2	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		11	3.2	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		11	4.5	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.4	1.7	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		11	3.1	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		27	9.7	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		27	5.5	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.4	1.3	ug/L	1
Phenol	108-95-2	8270C	ND		5.4	1.3	ug/L	1
Pyrene	129-00-0	8270C	ND		5.4	3.3	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		5.4	1.4	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.4	1.3	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.4	1.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
[illegible]Tribromophenol		59	30-130
[illegible]robiphenyl		87	30-130
2-Fluorophenol		87	30-130
Nitrobenzene-d5		105	30-130
Phenol-d5		100	30-130
Terphenyl-d14		97	30-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-022**
Description: **RB-03**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	07/08/2004 1717	MTR	07/01/2004 1325	16542

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.26	0.053	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.26	0.15	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.26	0.21	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.26	0.15	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.26	0.16	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.26	0.12	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.26	0.064	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		15	10-110
Tetrachloro-m-xylene		84	30-120

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-022**
Description: **RB-03**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1600**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8015B	1	07/02/2004 1545	MTR	07/01/2004 1325	16541

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		110	21	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		89	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-023**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **81.2** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	07/02/2004 0908	SRW	07/01/2004 1300	16588

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.62	0.062	mg/kg	1

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-023**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **81.2** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	07/12/2004 2157	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	0.42	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	0.48	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	0.37	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	0.39	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	0.44	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	0.36	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	0.30	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	0.31	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	0.39	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	0.34	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	0.41	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	0.42	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	0.31	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	0.28	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	0.41	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	0.37	ug/kg	1
Endrin ketone	53494-70-50	8081A	ND		2.1	0.27	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	0.48	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	0.38	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.2	1.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		68	50-130
Tetrachloro-m-xylene		43	50-130

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-023**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **81.2** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010B	5	07/06/2004 1901	MNM	07/02/2004 1442	16623
1		7471A	1	07/01/2004 2006	MNM	07/01/2004 1624	16579
2	3050B	6010B	5	07/07/2004 1923	MNM	07/02/2004 1442	16623

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**26000**		**62**	**36**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.5	0.56	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.6**		**1.5**	**1.2**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**150**		**8.0**	**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		1.2	0.34	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.62	0.18	mg/kg	1
Calcium	7440-70-2	6010B	ND		1500	280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**42**		**1.5**	**0.69**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**24**		**8.0**	**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**32**		**1.5**	**1.3**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**49000**		**31**	**25**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**22**		**1.5**	**0.74**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**5900**		**1500**	**240**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**580**		**4.6**	**2.7**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	0.0099	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**20**		**12**	**2.7**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**9500**		**1500**	**310**	**mg/kg**	**1**
Selenium	**7782-49-2**	**6010B**	**2.1**		**1.5**	**1.5**	**mg/kg**	**1**
Silver	7440-22-4	6010B	ND		1.5	0.90	mg/kg	2
Sodium	7440-23-5	6010B	ND		1500	340	mg/kg	1
Thallium	**7440-28-0**	**6010B**	**18**		**3.1**	**2.9**	**mg/kg**	**1**
Vanadium	**7440-62-2**	**6010B**	**56**		**15**	**6.4**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**79**		**15**	**6.8**	**mg/kg**	**1**

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ND = Not detected at or above the PQL
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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-024**
Description: **BH-25B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1420**
% Solids: **83.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5035	8260B	1	07/08/2004 2126	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**19**		**19**	**1.7**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.7	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	0.65	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	1.7	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**2.8**	**J**	**9.3**	**2.2**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		4.7	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	1.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	0.77	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.93	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	0.59	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	0.79	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	0.87	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	1.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	0.68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.93	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	0.71	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	0.85	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.63	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.76	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	1.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.4	ug/kg	1
Naphthalene	91-20-3	8260B	ND		4.7	1.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	2.1	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	1.3	ug/kg	1
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**15**		**4.7**	**0.79**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.74	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**110**		**4.7**	**1.8**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		9.3	0.80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-024**
Description: **BH-25B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1420**
% Solids: **83.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-024**

Description: **BH-25B** Matrix: **Solid**

Date Sampled: **06/25/2004 1420** % Solids: **83.9** **06/28/2004 0800**

Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1704	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		390	52	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		390	47	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		990	68	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		990	46	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		990	7.9	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		990	76	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-024**
Description: **BH-25B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1420**
% Solids: **83.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1704	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		800	37	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		990	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		990	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		52	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		65	30-130
Nitrobenzene-d5		64	30-130
Phenol-d5		58	30-130
Terphenyl-d14		78	30-130

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Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-024**
Description: **BH-25B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1420**
% Solids: **83.9** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0127	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0114	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	6.0	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.74	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		238	50-130		250	50-130
Tetrachloro-m-xylene		128	50-130		119	50-130

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-024**
Description: **BH-25B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1420**
% Solids: **83.9** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1250	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**4000**		**3900**	**680**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		69	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-025**
Description: **Trip Blank-16**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1115**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/08/2004 1503	RZ		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-025**
Description: **Trip Blank-16**
Matrix: **Aqueous**
Date Sampled: **06/25/2004 1115**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		116	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-026**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **84.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2148	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**16**	**J**	**26**	**2.3**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	0.90	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	0.81	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	3.3	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.4	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.60	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.4	3.0	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	2.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		13	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-31C**
Date Sampled: **06/25/2004 1140**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-026**
Matrix: **Solid**
% Solids: **84.0** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-026**

Description: **BH-31C** Matrix: **Solid**

Date Sampled: **06/25/2004 1140** % Solids: **84.0** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1730	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
[illegible]utyl phthalate	84-74-2	8270C	ND		390	52	ug/kg	1
[illegible]ctylphthalate	117-84-0	8270C	ND		390	47	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		990	68	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		990	46	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		990	7.8	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		990	76	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-026**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **84.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1730	DC	06/30/2004 1640	16526

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		800	37	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		990	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		990	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		55	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		67	30-130
Nitrobenzene-d5		67	30-130
Phenol-d5		60	30-130
Terphenyl-d14		78	30-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-026**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **84.0** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0140	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0127	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	6.0	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.74	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		139	50-130		143	50-130
Tetrachloro-m-xylene		60	50-130		56	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-026**
Description: **BH-31C**
Matrix: **Solid**
Date Sampled: **06/25/2004 1140**
% Solids: **84.0** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1313	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3800	670	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-027**

Description: **BH-31B** Matrix: **Solid**

Date Sampled: **06/25/2004 1120** % Solids: **82.6** **06/28/2004 0800**

Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2210	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**17**	**J**	**22**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	0.68	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.4	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	2.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-31B**
Date Sampled: **06/25/2004 1120**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-027**
Matrix: **Solid**
% Solids: **82.6** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-027**

Description: **BH-31B** Matrix: **Solid**

Date Sampled: **06/25/2004 1120** % Solids: **82.6** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1850	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	33	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	12	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		400	53	ug/kg	1
[illegible]-octylphthalate	117-84-0	8270C	ND		400	48	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		400	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		400	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		400	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	68	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	46	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	77	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		400	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	14	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-027**
Description: **BH-31B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1120**
% Solids: **82.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1850	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		400	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		810	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		400	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	43	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	16	ug/kg	1
Phenol	108-95-2	8270C	ND		400	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		400	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		67	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		64	30-130
Nitrobenzene-d5		63	30-130
Phenol-d5		58	30-130
Terphenyl-d14		78	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-027**
Description: **BH-31B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1120**
% Solids: **82.6** **06/28/2004 0800**
Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/19/2004 1603	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	6.0	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.75	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		58	50-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-027**
Description: **BH-31B**
Matrix: **Solid**
Date Sampled: **06/25/2004 1120**
% Solids: **82.6** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1336	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**190000**		**3900**	**680**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-028**

Description: **BH-31A** Matrix: **Solid**

Date Sampled: **06/25/2004 1100** % Solids: **82.3** **06/28/2004 0800**

Date Received: **06/26/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2232	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**	**J**	**23**	**2.0**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.7	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	0.95	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	0.72	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.97	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.83	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.7	0.87	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.78	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.94	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.46	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.54	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.7	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	0.97	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.90	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.7	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	0.98	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	1

[illegible] = Practical quantitation limit *B = Detected in the method blank* *E = Quantitation of compound exceeded the calibration range*

ND = Not detected at or above the PQL *J = Estimated result less than the PQL* *P = The RPD between two GC columns exceeds 40%*

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-31A**
Date Sampled: **06/25/2004 1100**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-028**
Matrix: **Solid**
% Solids: **82.3** **06/28/2004 0800**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-028**

Description: **BH-31A** Matrix: **Solid**

Date Sampled: **06/25/2004 1100** % Solids: **82.3** **06/28/2004 0800**

Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1916	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	33	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	21	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	18	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	17	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	17	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	53	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	48	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	16	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		400	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		400	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		400	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	68	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	21	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	46	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	8.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	35	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	25	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	77	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	20	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	36	ug/kg	1
Isophorone	78-59-1	8270C	ND		400	19	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	14	ug/kg	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-028**

Description: **BH-31A** Matrix: **Solid**

Date Sampled: **06/25/2004 1100** % Solids: **82.3** **06/28/2004 0800**

Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/08/2004 1916	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		400	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		810	38	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		400	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	17	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	29	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	24	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	43	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	16	ug/kg	1
Phenol	108-95-2	8270C	ND		400	19	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	17	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		400	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		48	30-130
2-Fluorobiphenyl		52	30-130
2-Fluorophenol		58	30-130
Nitrobenzene-d5		57	30-130
Phenol-d5		52	30-130
Terphenyl-d14		82	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-028**
Description: **BH-31A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1100**
% Solids: **82.3** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/19/2004 1616	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	3.3	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	6.1	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	3.6	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	0.75	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		91	50-130
Tetrachloro-m-xylene		42	50-130

= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-028**
Description: **BH-31A**
Matrix: **Solid**
Date Sampled: **06/25/2004 1100**
% Solids: **82.3** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1359	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**3600**	**J**	**3900**	**680**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		68	50-130

POL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF26011-029**

Description: **DUP-03** Matrix: **Solid**

Date Sampled: **06/25/2004 1200** % Solids: **86.1** **06/28/2004 0800**

Date Received: **06/26/2004**

R[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	07/08/2004 2255	CMS		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**19**	**J**	**23**	**2.1**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.8	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.8	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.8	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-029**
Description: **DUP-03**
Matrix: **Solid**
Date Sampled: **06/25/2004 1200**
% Solids: **86.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		100	68-124

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-029**
Description: **DUP-03**
Matrix: **Solid**
Date Sampled: **06/25/2004 1200**
% Solids: **86.1** **06/28/2004 0800**
Date Received: **06/26/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1056	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	50	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	65	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	14	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-029**
Description: **DUP-03**
Matrix: **Solid**
Date Sampled: **06/25/2004 1200**
% Solids: **86.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/09/2004 1056	DC	07/03/2004 0820	16626

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		44	30-130
2-Fluorobiphenyl		56	30-130
2-Fluorophenol		62	30-130
Nitrobenzene-d5		62	30-130
Phenol-d5		54	30-130
Terphenyl-d14		85	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF26011-029**
Description: **DUP-03**
Matrix: **Solid**
Date Sampled: **06/25/2004 1200**
% Solids: **86.1** **06/28/2004 0800**
Date Received: **06/26/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/13/2004 0219	MTR	07/01/2004 1645	16572
2	3550B	8082	1	07/13/2004 0206	MTR	07/01/2004 1645	16572

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.8	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.5	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.5	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.5	ug/kg	2
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.72	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		79	50-130		80	50-130
Tetrachloro-m-xylene		42	50-130		40	50-130

= Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **DUP-03**
Date Sampled: **06/25/2004 1200**
Date Received: **06/26/2004**

Laboratory ID: **FF26011-029**
Matrix: **Solid**
% Solids: **86.1** **06/28/2004 0800**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	07/03/2004 1422	MTR	07/02/2004 1245	16584

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**760**	**J**	**3700**	**650**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		75	50-130

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34722

Client: MACTEC
Address: 1322 Miller Rd - Suite A
City: Greenville | State: SC | Zip Code: 29607
Project Name: Mills Gap Road Site
Project No.: 10196-03-09-08
P.O. No.:
Report to Contact: Harry Morris
Sampler's Signature: [signature]
Printed Name: Susan Kelly
Telephone No. / Fax No. / E-mail: 864-288-5116 / 864-320-7017
Chain No.:
Page 2 of 3
Analysis (Please fill in more space is needed)

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Matrix	Preservative Type	No. of Containers	TCL VOCs	TCL SVOCs	TPH-DRO	TAL PCBs	TAL Pesticides	TAL Metals	Remarks / Cooler I.D.
BH-21A	4/26/01	1015	G	✓	1	4	1	1	1			cooler 2
DUP 04	4/26/01	1045	G	✓	1	4	1	1	1			cooler 2
TRIP BLANK-15				✓	2	2						cooler 3
BH-27B	4/26/01	1015	G	✓	1	4	1	1	1			cooler 3
BH-28B	4/26/01	1430	G	✓	1	4	1	1	1			cooler 3
BH-27C	4/26/01	1030	G	✓	1	4	1	1	1	1	1	cooler 3
RB-03	4/26/01	1600	W	✓	3	3						cooler 3
FB 04	4/26/01	1600	W	✓	3	3						cooler 3
BH 25C	4/26/01	1430	G	✓	1	4	1	1	1			cooler 3
BH-25A	4/26/01	1400	G	✓	1	4	1	1	1			cooler 3

Lot No.: FF2601

Possible Hazard Identification: Non-Hazard; Hazardous; Skin Irritant; Poison; Unknown

Sample Disposal: Return to Client; Disposed by Lab

Note: All samples are retained for 30 days from receipt unless other arrangements are made.

Turn Around Time Required (Prior arrangements required for expedited TAT): Standard; Rush (Specify)

QC Requirements (Specify): Water - level 4; Soil - level 3

	Date	Time		Date	Time
1. Relinquished by: Susan Kelly - MACTEC	6/26/01	1700	1. Received by:		
2. Relinquished by:			2. Received by:		
3. Relinquished by: FedEX	6/26/01	0945	3. Laboratory Received by: [signature]	6/26/01	0945

Comments:

LAB USE ONLY: Received on ice (Circle): Yes No Temp: 0.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field Chain Copy

Document Number F-AD 018 Effective Date 06-06-00

Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34721

Client: WATTEC
Address: 1377 Miller Rd - Suite A
City: Greenville | State: SC | Zip Code: 29607
Project Name: Wills Group Road site
Project No.: 6690-03-9952.08
PO No.:

Report To Contact: Harry Morris
Sampler's Signature: [signature]
Printed Name: Susan Kelly

Telephone No. / Fax No. / Email: 864-269-5116 / 864-320-2017
Report No.:
Client No.:
Page 3 of 3
Analysis (Please list if more space is needed)

Lab No.: FE26011

Sample ID / Description (Containers No. and sample type can be combined on one line.)	Date	Time	Grab	Composite	Water	Soil	Air	Other	No. of Containers by Preservation Type							TL-VOC	TL-SVOC	TRP-DRO	TL-PCB	GC	TL-PBHCs	TRP-Metals				Matrix/Order ID
TRIP BLANK 16				✓							2			2												Cooler 4
RB-03	6/25/04	1600		✓					4		2					2	2	2								Cooler 4
BH-31C	6/25/04	1140	G		✓				3										1	1	1					Cooler 4
BH-25B	6/25/04	1120	G		✓				3				1	4		1	1	1								Cooler 4
TRIP BLANK-16				✓							2			2												Cooler 5
BH-31C	6/25/04	1140	G		✓				3				1	4		1	1	1								Cooler 5
BH-31B	6/25/04	1120	G		✓				3				1	4		1	1	1								Cooler 5
BH-31A	6/25/04	1100	G		✓				3				1	4		1	1	1								Cooler 5
DUP-E3		1200	G		✓				3				1	4		1	1	1								Cooler 5

Possible Hazard Identification: Non Hazard / Flammable / Skin Irritant / Poison / Unknown
Sample Disposal: Return to Client / Disposal by Lab
Note: All samples are received for analysis based on the information on this form unless other arrangements are made.

Turn Around Time Required (please list any rush requirements in special TAT): Standard / Rush (Specify) *
QC Requirements (Specify): SET - LEVEL 3 ; WATER - LEVEL 4

1. Relinquished by: Susan Kelly - WATTEC	Date: 6/25/04	Time: 1200	1. Received by:	Date:	Time:
2. Relinquished by:	Date:	Time:	2. Received by:	Date:	Time:
3. Relinquished by: FedEx	Date: 6/25/04	Time: 0945	3. Laboratory received by: [signature]	Date: 6/26/01	Time: 0945

Comments:
LAB USE ONLY: Received on Ice (Circle) Yes / No | Ice Chest | Received Temp: 0.6 °C

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s); PINK-Field Client Copy

Document Number: LAB 003 Effective Date: 09-24-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34723

Client: MACTEC
Address: 1327 Miller Rd - Site A
City: Greenville State: SC Zip Code: 29607
Project Name: Wills Grp Road Site
Project No.: 06640-03-9150.09
PO No.:
Report to Contact: Terry Morris
Sampler's Signature: Amy Kelly
Printed Name: Susan Kelly
Telephone No. (Area Code): 864-792-5116 / 864-320-2017
Waybill No.:
Page 1 of 2
Analyses (Attach list if more space is needed)
Lab No.: FF2601
Remarks (Cooler #)

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Potable	Soil	Aqueous Non-Potable	Preservative: Unpreserved	HNO3	H2SO4	NaOH	Other	Other	No. of Containers by Preservative Type	FULL VOCS	FULL SVOCS	TOTAL PBS	TCLP VOCS	TCLP PBS	TCLP SVOCS	TCLP PESTICIDES				Remarks
TRIP BLANK-13				V						2			2										cooler 1
BH-23B	6/25/01	830			V		6				1		4	1	1	1	1	1	1				cooler 1
BH-28A	6/25/01	900			V		3	8			1		4	1	1	1							cooler 1
BH-28B	6/25/01	930			V		3										1	1	1				cooler 1
BH-27A	6/25/01	950			V		3	9			1		4	1	1	1							cooler 1
BH-23A	6/25/01	815			V		3				1		4	1	1	1							cooler 1
TRIP BLANK-14																							cooler 2
~~BH-21C~~ BH-21C	6/25/01	1615			V												1	1	1				cooler 2
BH-21B	6/25/01	1540			V						1		4	1	1	1							cooler 2
BH-21C	6/25/01	1615			V						1		4	1	1	1							cooler 2

Possible Hazard Identification: Non Hazard, Flammable, Skin Irritant, Poison, Unknown
Sample Disposal: Return to Client, Disposed by Lab
Note: All samples are disposed by 90 days from receipt unless other arrangements are made
Turn Around Time Required (Check all applicable boxes or indicate TAT): Standard, Rush (Specify)
QC Requirements (Specify): WATER - level 4, SOIL - LEVEL 3

Relinquished by	Date	Time	Received by	Date	Time
1. Susan Kelly - MACTEC	6/25/01	1700	1.		
2.			2.		
3. FedEx	6/26/01	0945	3. Laboratory received by: [signature]	6/26/01	0945

Comments:
Receipt on Ice (Circle): Yes No Temp.
Receipt Temp. 0.6 °C

DISTRIBUTION: WHITE & YELLOW - Return to laboratory with Sample(s); PINK - Client Copy

Document Number: F-AD-012 Effective Date: 05-04-01

SHEALY ENVIRONMENTAL SERVICES, INC.

Level 1 Report v2.1

Report of Analysis

MACTEC Engineering and Consulting, Inc.
1327 Miller Road
Suite A
Greenville, SC 29607
Attention: Harry Morris

Project Name: **Mills Gap Road Site**

Project Number: **6690-03-9450.08**

Lot Number: **FF23032**

Date Completed: **07/04/2004**

Lisa Cochran
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23032

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

GC/MS VOCs-
Sample -009 was diluted at 2000X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits due to this dilution.
The blanks analyzed on 6/28/04 and 6/29/04 had several compounds detected at concentrations above the MDL, but below the PQL. All samples associated with these blanks, that had detections for the affected compounds have been flagged with a "B".

GC/MS SVOCs-
Sample -009 was diluted at 50X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits due to this dilution.

DRO-
There is an unknown hydrocarbon pattern present in sample -004.
There is a diesel pattern present in samples -007, -008 and -009. Sample -009 was diluted at 100X due to the high concentration of target compounds. The surrogates were recovered outside of the acceptance limits due to this dilution.

Sample Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23032

Sample Number	Sample ID	Matrix	Date Sampled
001	Trip Blank-05	Aqueous	06/17/2004 1300
002	Trip Blank-06	Aqueous	06/16/2004 1115
003	Field Blank-01	Aqueous	06/22/2004 1230
004	BH-14A	Solid	06/22/2004 1255
005	BH-14B	Solid	06/22/2004 1310
006	BH-14C	Solid	06/22/2004 1330
007	BH-20A	Solid	06/22/2004 1500
008	BH-20B	Solid	06/22/2004 1515
009	BH-20C	Solid	06/22/2004 1545
010	BH-20D	Solid	06/22/2004 1615

(10 samples)

Executive Summary
MACTEC Engineering and Consulting, Inc.
Lot Number: FF23032

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	Trip Blank-05	Aqueous	Methylene chloride	8260B	0.67	J	ug/L	5
002	Trip Blank-06	Aqueous	2-Butanone (MEK)	8260B	2.1	BJ	ug/L	7
003	Field Blank-01	Aqueous	Methylene chloride	8260B	0.80	J	ug/L	9
004	BH-14A	Solid	Trichloroethene	8260B	46		ug/kg	11
004	BH-14A	Solid	Fluoranthene	8270C	130	J	ug/kg	13
004	BH-14A	Solid	Pyrene	8270C	98	J	ug/kg	14
004	BH-14A	Solid	TPH-DRO	8015B	15000		ug/kg	16
005	BH-14B	Solid	Trichloroethene	8260B	12		ug/kg	17
006	BH-14C	Solid	Trichloroethene	8260B	2.0	J	ug/kg	23
006	BH-14C	Solid	Di-n-butyl phthalate	8270C	54	J	ug/kg	25
006	BH-14C	Solid	Di-n-octylphthalate	8270C	160	J	ug/kg	25
006	BH-14C	Solid	TPH-DRO	8015B	820	J	ug/kg	28
007	BH-20A	Solid	Naphthalene	8260B	12	B	ug/kg	29
007	BH-20A	Solid	Trichloroethene	8260B	17		ug/kg	29
007	BH-20A	Solid	Di-n-butyl phthalate	8270C	68	J	ug/kg	31
007	BH-20A	Solid	TPH-DRO	8015B	39000		ug/kg	34
008	BH-20B	Solid	Acetone	8260B	100		ug/kg	35
008	BH-20B	Solid	Benzene	8260B	2.0	J	ug/kg	35
008	BH-20B	Solid	2-Butanone (MEK)	8260B	27	B	ug/kg	35
008	BH-20B	Solid	Ethylbenzene	8260B	8.5		ug/kg	35
008	BH-20B	Solid	2-Hexanone	8260B	6.0	J	ug/kg	35
008	BH-20B	Solid	Naphthalene	8260B	220	B	ug/kg	35
008	BH-20B	Solid	Toluene	8260B	2.6	J	ug/kg	35
008	BH-20B	Solid	Trichloroethene	8260B	160		ug/kg	35
008	BH-20B	Solid	Xylenes (total)	8260B	26		ug/kg	35
008	BH-20B	Solid	Di-n-butyl phthalate	8270C	66	J	ug/kg	37
008	BH-20B	Solid	2-Methylnaphthalene	8270C	160	J	ug/kg	37
008	BH-20B	Solid	TPH-DRO	8015B	94000		ug/kg	40
009	BH-20C	Solid	Benzene	8260B	1600		ug/kg	41
009	BH-20C	Solid	Ethylbenzene	8260B	10000		ug/kg	41
009	BH-20C	Solid	Naphthalene	8260B	8400	B	ug/kg	41
009	BH-20C	Solid	Toluene	8260B	6200		ug/kg	41
009	BH-20C	Solid	1,1,1-Trichloroethane	8260B	4700		ug/kg	41
009	BH-20C	Solid	Trichloroethene	8260B	240000		ug/kg	41
009	BH-20C	Solid	Xylenes (total)	8260B	54000		ug/kg	41
009	BH-20C	Solid	Fluorene	8270C	9900		ug/kg	43
009	BH-20C	Solid	2-Methylnaphthalene	8270C	200000		ug/kg	44
009	BH-20C	Solid	Naphthalene	8270C	14000		ug/kg	44
009	BH-20C	Solid	Phenanthrene	8270C	32000		ug/kg	44
009	BH-20C	Solid	TPH-DRO	8015B	32000000		ug/kg	46

(40 detections)

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-001**
Description: **Trip Blank-05**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/23/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5030B	8260B	1	06/28/2004 1623	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
[illegible]s-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**0.67**	**J**	**5.0**	**0.30**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
[illegible] = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-001**
Description: **Trip Blank-05**
Matrix: **Aqueous**
Date Sampled: **06/17/2004 1300**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-002**

Description: **Trip Blank-06** Matrix: **Aqueous**

Date Sampled: **06/16/2004 1115**

Date Received: **06/23/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5030B	8260B	1	06/28/2004 1645	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**2.1**	**BJ**	**10**	**1.8**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
[illegible]s-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.30	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
[illegible] = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-002**
Description: **Trip Blank-06**
Matrix: **Aqueous**
Date Sampled: **06/16/2004 1115**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-003**
Description: **Field Blank-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 1230**
Date Received: **06/23/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5030B	8260B	1	06/28/2004 1708	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.5	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.20	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.30	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.30	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
[illegible]s-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.30	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**0.80**	**J**	**5.0**	**0.30**	**ug/L**	**1**
Naphthalene	91-20-3	8260B	ND		5.0	0.40	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.50	ug/L	1

[illegible] = Practical quantitation limit
[illegible] = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-003**
Description: **Field Blank-01**
Matrix: **Aqueous**
Date Sampled: **06/22/2004 1230**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-004**
Description: **BH-14A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1255**
% Solids: **83.9** **06/23/2004 1845**
Date Received: **06/23/2004**

Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
5035	8260B	1	06/29/2004 1210	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	2.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.2	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.2	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.2	0.86	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.2	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.2	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.2	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.2	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.2	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.2	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.2	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.2	0.78	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.2	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.2	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.2	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.2	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.2	0.90	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.2	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.2	2.1	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		6.2	0.94	ug/kg	1
[illegible]-1,2-Dichloroethene	156-60-5	8260B	ND		6.2	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.2	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.2	0.84	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.2	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.2	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.2	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.2	3.2	ug/kg	1
Naphthalene	91-20-3	8260B	ND		6.2	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.2	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.2	0.58	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.2	2.8	ug/kg	1
Toluene	108-88-3	8260B	ND		6.2	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.2	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.2	0.97	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**46**		**6.2**	**2.3**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.2	3.6	ug/kg	1

[illegible] = Practical quantitation limit
[illegible] = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-004**
Description: **BH-14A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1255**
% Solids: **83.9** **06/23/2004 1845**
Date Received: **06/23/2004**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-004**

Description: **BH-14A** Matrix: **Solid**

Date Sampled: **06/22/2004 1255** % Solids: **83.9** **06/23/2004 1845**

Date Received: **06/23/2004**

R	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1459	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	32	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	17	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	13	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	12	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	22	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	15	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	19	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	16	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	12	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	52	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	47	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	26	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		390	14	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		390	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		390	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		980	67	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	16	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	15	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		980	45	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		980	7.8	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	29	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	34	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	24	ug/kg	1
Fluoranthene	**206-44-0**	**8270C**	**130**	**J**	**390**	**12**	**ug/kg**	**1**
Fluorene	86-73-7	8270C	ND		390	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	16	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		980	76	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	35	ug/kg	1
Isophorone	78-59-1	8270C	ND		390	18	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	14	ug/kg	1

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-004**
Description: **BH-14A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1255**
% Solids: **83.9** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1459	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		390	22	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		800	37	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	20	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		390	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	28	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	28	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	42	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		980	170	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		980	42	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	16	ug/kg	1
Phenol	108-95-2	8270C	ND		390	19	ug/kg	1
Pyrene	**129-00-0**	**8270C**	**98**	**J**	**390**	**17**	**ug/kg**	**1**
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		390	18	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		85	30-130
2-Fluorobiphenyl		74	30-130
2-Fluorophenol		68	30-130
Nitrobenzene-d5		86	30-130
Phenol-d5		77	30-130
Terphenyl-d14		97	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-004**
Description: **BH-14A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1255**
% Solids: **83.9** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1209	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.2	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	6.0	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.6	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.6	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.6	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.2	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.74	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		103	50-130
Tetrachloro-m-xylene		81	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-004**
Description: **BH-14A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1255**
% Solids: **83.9** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 0848	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**15000**		**3800**	**670**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		72	50-130

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ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-005**
Description: **BH-14B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1310**
% Solids: **92.3** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/29/2004 1232	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		18	1.6	ug/kg	1
Benzene	71-43-2	8260B	ND		4.5	0.98	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.5	0.98	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.5	0.62	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.5	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.9	2.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.5	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.5	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.5	1.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.5	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.5	0.74	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.5	0.89	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.5	1.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.5	0.56	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.5	0.76	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.5	0.83	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.5	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.5	0.65	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.5	0.89	ug/kg	1
[illegible]Dichloroethene	75-35-4	8260B	ND		4.5	1.5	ug/kg	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		4.5	0.68	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.5	1.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.5	0.81	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.5	0.61	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.5	0.73	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.5	0.98	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.5	0.36	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.9	1.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.5	2.3	ug/kg	1
Naphthalene	91-20-3	8260B	ND		4.5	1.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.5	0.98	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.5	0.42	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.5	2.0	ug/kg	1
Toluene	108-88-3	8260B	ND		4.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.5	0.76	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.5	0.70	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**12**		**4.5**	**1.7**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		8.9	0.77	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.5	2.6	ug/kg	1

[illegible] = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-14B**
Date Sampled: **06/22/2004 1310**
Date Received: **06/23/2004**

Laboratory ID: **FF23032-005**
Matrix: **Solid**
% Solids: **92.3** **06/23/2004 1845**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-005**

Description: **BH-14B** Matrix: **Solid**

Date Sampled: **06/22/2004 1310** % Solids: **92.3** **06/23/2004 1845**

Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1526	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		350	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		350	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		350	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		350	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		350	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		350	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		350	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		350	29	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		350	15	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		350	11	ug/kg	1
Carbazole	86-74-8	8270C	ND		350	10	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		350	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		350	18	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		350	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		350	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		350	13	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		350	17	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		350	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		350	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		350	11	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		350	47	ug/kg	1
[illegible]octylphthalate	117-84-0	8270C	ND		350	42	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		350	23	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		350	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		350	12	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		350	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		350	15	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		880	60	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		350	14	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		350	13	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		350	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		350	18	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		880	41	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		880	7.0	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		350	26	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		350	30	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		350	22	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		350	11	ug/kg	1
Fluorene	86-73-7	8270C	ND		350	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		350	14	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		350	14	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		880	68	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		350	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		350	32	ug/kg	1
Isophorone	78-59-1	8270C	ND		350	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		350	13	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-005**
Description: **BH-14B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1310**
% Solids: **92.3** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1526	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		350	20	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		710	33	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		350	18	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		350	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		350	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		350	25	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		350	25	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		350	21	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		350	16	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		350	38	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		880	150	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		880	37	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		350	14	ug/kg	1
Phenol	108-95-2	8270C	ND		350	17	ug/kg	1
Pyrene	129-00-0	8270C	ND		350	15	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		350	16	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		350	18	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		350	19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		64	30-130
2-Fluorobiphenyl		67	30-130
2-Fluorophenol		60	30-130
Nitrobenzene-d5		77	30-130
Phenol-d5		67	30-130
Terphenyl-d14		76	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-005**
Description: **BH-14B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1310**
% Solids: **92.3** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1221	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	2.9	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	5.4	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	3.2	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	3.2	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	3.2	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	0.67	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130
Tetrachloro-m-xylene		74	50-130

*= Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-005**
Description: **BH-14B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1310**
% Solids: **92.3** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 0910	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	ND		3500	610	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		67	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-006**

Description: **BH-14C** Matrix: **Solid**

Date Sampled: **06/22/2004 1330** % Solids: **88.7** **06/23/2004 1845**

Date Received: **06/23/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/29/2004 1640	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	1.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	0.67	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.90	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	0.98	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.0	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.3	0.80	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.96	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.8	ug/kg	1
Naphthalene	91-20-3	8260B	ND		5.3	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	2.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.90	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.84	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**2.0**	**J**	**5.3**	**2.0**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		10	0.91	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-14C**
Date Sampled: **06/22/2004 1330**
Date Received: **06/23/2004**

Laboratory ID: **FF23032-006**
Matrix: **Solid**
% Solids: **88.7** **06/23/2004 1845**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		90	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-006**
Description: **BH-14C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1330**
% Solids: **88.7** **06/23/2004 1845**
Date Received: **06/23/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1552	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	11	ug/kg	1
[illegible]butyl phthalate	**84-74-2**	**8270C**	**54**	**J**	**370**	**49**	**ug/kg**	**1**
[illegible]octylphthalate	**117-84-0**	**8270C**	**160**	**J**	**370**	**44**	**ug/kg**	**1**
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	43	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	7.4	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	72	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-006**

Description: **BH-14C** Matrix: **Solid**

Date Sampled: **06/22/2004 1330** % Solids: **88.7** **06/23/2004 1845**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1552	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		69	30-130
2-Fluorobiphenyl		64	30-130
2-Fluorophenol		63	30-130
Nitrobenzene-d5		83	30-130
Phenol-d5		66	30-130
Terphenyl-d14		77	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-006**
Description: **BH-14C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1330**
% Solids: **88.7** **06/23/2004 1845**
Date Received: **06/23/2004**

[illegible]	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1301	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		53	50-130

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-006**
Description: **BH-14C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1330**
% Solids: **88.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 0933	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	820	J	3600	630	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-007**

Description: **BH-20A** Matrix: **Solid**

Date Sampled: **06/22/2004 1500** % Solids: **89.1** **06/23/2004 1845**

Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/29/2004 1702	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	2.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	0.74	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
[illegible]Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
[illegible]2-Dichloroethene	156-59-2	8260B	ND		5.9	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.0	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**12**	**B**	**5.9**	**1.4**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	2.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**17**		**5.9**	**2.2**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-20A**
Date Sampled: **06/22/2004 1500**
Date Received: **06/23/2004**

Laboratory ID: **FF23032-007**
Matrix: **Solid**
% Solids: **89.1** **06/23/2004 1845**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		91	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-007**

Description: **BH-20A** Matrix: **Solid**

Date Sampled: **06/22/2004 1500** % Solids: **89.1** **06/23/2004 1845**

Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1619	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	14	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	30	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	20	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	19	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	16	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	15	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	15	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	14	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	11	ug/kg	1
[illegible]butyl phthalate	**84-74-2**	**8270C**	**68**	**J**	**370**	**49**	**ug/kg**	**1**
[illegible]octylphthalate	117-84-0	8270C	ND		370	44	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	24	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	14	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		370	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		370	14	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		370	16	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		920	63	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	10	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	19	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		920	42	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		920	7.3	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	27	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	32	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	23	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	14	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	15	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		920	71	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	33	ug/kg	1
Isophorone	78-59-1	8270C	ND		370	17	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	13	ug/kg	1

[illegible] = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-007**
Description: **BH-20A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1500**
% Solids: **89.1** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1619	DC	06/24/2004 1653	16374

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		370	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	35	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		370	12	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	15	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	26	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	26	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	22	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	17	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	40	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		920	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		920	39	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	15	ug/kg	1
Phenol	108-95-2	8270C	ND		370	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		370	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	19	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	30-130
2-Fluorobiphenyl		62	30-130
2-Fluorophenol		61	30-130
Nitrobenzene-d5		79	30-130
Phenol-d5		67	30-130
Terphenyl-d14		70	30-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-007**
Description: **BH-20A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1500**
% Solids: **89.1** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1314	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.0	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.6	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.70	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		52	50-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-007**
Description: **BH-20A**
Matrix: **Solid**
Date Sampled: **06/22/2004 1500**
% Solids: **89.1** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 0956	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**39000**		**3600**	**630**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-008**
Description: **BH-20B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1515**
% Solids: **86.7** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	1	06/29/2004 1725	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**100**		**23**	**2.1**	**ug/kg**	**1**
Benzene	**71-43-2**	**8260B**	**2.0**	**J**	**5.8**	**1.3**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.8	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.81	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**27**	**B**	**12**	**2.8**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.96	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	0.73	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.98	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.84	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
[illegible]ichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
[illegible],2-Dichloroethene	156-59-2	8260B	ND		5.8	0.88	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.95	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**8.5**		**5.8**	**1.3**	**ug/kg**	**1**
2-Hexanone	**591-78-6**	**8260B**	**6.0**	**J**	**12**	**1.5**	**ug/kg**	**1**
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.46	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**220**	**B**	**5.8**	**1.4**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.54	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.8	2.7	ug/kg	1
Toluene	**108-88-3**	**8260B**	**2.6**	**J**	**5.8**	**1.6**	**ug/kg**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.98	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.91	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**160**		**5.8**	**2.2**	**ug/kg**	**1**
Vinyl chloride	75-01-4	8260B	ND		12	1.0	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**26**		**5.8**	**3.4**	**ug/kg**	**1**

[illegible] = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-20B**
Date Sampled: **06/22/2004 1515**
Date Received: **06/23/2004**

Laboratory ID: **FF23032-008**
Matrix: **Solid**
% Solids: **86.7** **06/23/2004 1845**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-008**
Description: **BH-20B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1515**
% Solids: **86.7** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1645	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	31	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	16	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	12	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	11	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	21	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	20	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	17	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	16	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	14	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	18	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	16	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	15	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	12	ug/kg	1
[illegible]butyl phthalate	**84-74-2**	**8270C**	**66**	**J**	**380**	**51**	**ug/kg**	**1**
[illegible]ctylphthalate	117-84-0	8270C	ND		380	46	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	25	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	15	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		380	13	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		380	15	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		380	17	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	66	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	15	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	14	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	11	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	20	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	44	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	7.6	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	28	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	33	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	24	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	15	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	15	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	16	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	74	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	19	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	34	ug/kg	1
Isophorone	78-59-1	8270C	ND		380	18	ug/kg	1
2-Methylnaphthalene	**91-57-6**	**8270C**	**160**	**J**	**380**	**14**	**ug/kg**	**1**

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-008**
Description: **BH-20B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1515**
% Solids: **86.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	07/03/2004 1645	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylphenol	95-48-7	8270C	ND		380	21	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	36	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	19	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		380	13	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	16	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	27	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	27	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	23	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	18	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	41	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	160	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	40	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	15	ug/kg	1
Phenol	108-95-2	8270C	ND		380	18	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	16	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		380	17	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	20	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		65	30-130
2-Fluorobiphenyl		69	30-130
2-Fluorophenol		62	30-130
Nitrobenzene-d5		79	30-130
Phenol-d5		66	30-130
Terphenyl-d14		67	30-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-008**
Description: **BH-20B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1515**
% Solids: **86.7** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1327	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		143	50-130
Tetrachloro-m-xylene		100	50-130

L = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result less than the PQL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-008**
Description: **BH-20B**
Matrix: **Solid**
Date Sampled: **06/22/2004 1515**
% Solids: **86.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/30/2004 1019	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		**8015B**	**94000**		**3800**	**660**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-009**
Description: **BH-20C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1545**
% Solids: **87.7** **06/23/2004 1845**
Date Received: **06/23/2004**

	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260B	50	06/29/2004 1555	RED		
2	5035	8260B	2000	06/30/2004 1354	RED		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	93	ug/kg	1
Benzene	**71-43-2**	**8260B**	**1600**		**260**	**57**	**ug/kg**	**1**
Bromodichloromethane	75-27-4	8260B	ND		260	57	ug/kg	1
Bromoform	75-25-2	8260B	ND		260	36	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		260	93	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		520	120	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		260	67	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		260	93	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		260	78	ug/kg	1
Chloroethane	75-00-3	8260B	ND		260	67	ug/kg	1
Chloroform	67-66-3	8260B	ND		260	43	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		260	52	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		260	78	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		260	32	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		260	44	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		260	48	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		260	67	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		260	78	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		260	38	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		260	52	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		260	88	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		260	39	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		260	78	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		260	47	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		260	35	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		260	42	ug/kg	1
Ethylbenzene	**100-41-4**	**8260B**	**10000**		**260**	**57**	**ug/kg**	**1**
2-Hexanone	591-78-6	8260B	ND		520	67	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		260	21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		520	78	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		260	130	ug/kg	1
Naphthalene	**91-20-3**	**8260B**	**8400**	**B**	**260**	**62**	**ug/kg**	**1**
Styrene	100-42-5	8260B	ND		260	57	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		260	24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		260	120	ug/kg	1
Toluene	**108-88-3**	**8260B**	**6200**		**260**	**72**	**ug/kg**	**1**
1,1,1-Trichloroethane	**71-55-6**	**8260B**	**4700**		**260**	**44**	**ug/kg**	**1**
1,1,2-Trichloroethane	79-00-5	8260B	ND		260	41	ug/kg	1
Trichloroethene	**79-01-6**	**8260B**	**240000**		**12000**	**4700**	**ug/kg**	**2**
Vinyl chloride	75-01-4	8260B	ND		520	44	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**54000**		**12000**	**7200**	**ug/kg**	**2**

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Description: **BH-20C**
Date Sampled: **06/22/2004 1545**
Date Received: **06/23/2004**

Laboratory ID: **FF23032-009**
Matrix: **Solid**
% Solids: **87.7** **06/23/2004 1845**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142		1.4	53-142
Bromofluorobenzene		108	47-138		1.9	47-138
Toluene-d8		102	68-124		0.0	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-009**
Description: **BH-20C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1545**
% Solids: **87.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	10	07/03/2004 1712	DC	06/26/2004 1020	16413
2	3550B	8270C	50	07/05/2004 1858	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270C	ND		3800	120	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		3800	150	ug/kg	1
Anthracene	120-12-7	8270C	ND		3800	170	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		3800	120	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		3800	270	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		3800	250	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		3800	260	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		3800	310	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		3800	160	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		3800	120	ug/kg	1
Carbazole	86-74-8	8270C	ND		3800	110	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		3800	210	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		3800	190	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		3800	170	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		3800	160	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		3800	140	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		3800	180	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		3800	160	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		3800	150	ug/kg	1
[illegible]ene	218-01-9	8270C	ND		3800	120	ug/kg	1
[illegible]butyl phthalate	84-74-2	8270C	ND		3800	500	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		3800	450	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		3800	250	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		3800	150	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8270C	ND		3800	130	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8270C	ND		3800	140	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8270C	ND		3800	160	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		9500	650	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		3800	150	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		3800	140	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		3800	110	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		3800	200	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		9500	440	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		9500	75	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		3800	280	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		3800	330	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		3800	240	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		3800	120	ug/kg	1
Fluorene	**86-73-7**	**8270C**	**9900**		**3800**	**140**	**ug/kg**	**1**
Hexachlorobenzene	118-74-1	8270C	ND		3800	150	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		3800	150	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		9500	730	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		3800	180	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		3800	340	ug/kg	1
Isophorone	78-59-1	8270C	ND		3800	180	ug/kg	1

[illegible] = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.** Laboratory ID: **FF23032-009**

Description: **BH-20C** Matrix: **Solid**

Date Sampled: **06/22/2004 1545** % Solids: **87.7** **06/23/2004 1845**

Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	10	07/03/2004 1712	DC	06/26/2004 1020	16413
2	3550B	8270C	50	07/05/2004 1858	DC	06/26/2004 1020	16413

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
2-Methylnaphthalene	**91-57-6**	**8270C**	**200000**		**19000**	**680**	**ug/kg**	**2**
2-Methylphenol	95-48-7	8270C	ND		3800	210	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		7600	360	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		3800	190	ug/kg	1
N-Nitrosodiphenylamine	86-30-6	8270C	ND		3800	130	ug/kg	1
Naphthalene	**91-20-3**	**8270C**	**14000**		**3800**	**160**	**ug/kg**	**1**
2-Nitroaniline	88-74-4	8270C	ND		3800	260	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		3800	270	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		3800	220	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		3800	170	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		3800	400	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		9500	1600	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		9500	400	ug/kg	1
Phenanthrene	**85-01-8**	**8270C**	**32000**		**3800**	**150**	**ug/kg**	**1**
Phenol	108-95-2	8270C	ND		3800	180	ug/kg	1
Pyrene	129-00-0	8270C	ND		3800	160	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8270C	ND		3800	170	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		3800	190	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		3800	210	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	30-130		0.0	30-130
2-Fluorobiphenyl		75	30-130		0.0	30-130
2-Fluorophenol		64	30-130		0.0	30-130
Nitrobenzene-d5		85	30-130		0.0	30-130
Phenol-d5		77	30-130		0.0	30-130
Terphenyl-d14		81	30-130		0.0	30-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL J = Estimated result less than the PQL P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-009**
Description: **BH-20C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1545**
% Solids: **87.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	07/03/2004 1340	MTR	06/25/2004 1655	16406

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	3.1	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	5.7	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	3.4	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	3.4	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	3.4	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	1.1	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	0.71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		66	50-130
Tetrachloro-m-xylene		0.0	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **MACTEC Engineering and Consulting, Inc.**
Laboratory ID: **FF23032-009**
Description: **BH-20C**
Matrix: **Solid**
Date Sampled: **06/22/2004 1545**
% Solids: **87.7** **06/23/2004 1845**
Date Received: **06/23/2004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	100	07/01/2004 1334	MTR	06/28/2004 1125	16440

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TPH-DRO		8015B	32000000		370000	64000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		1360	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 34798

Client: WATTEC
Address: 327 Miller Rd
City: Greenville | State: SC | Zip Code: 29607
Project Name: Perkins Gap Road Site
Project No.: 16-92-03-9450.088
PO No.:

Report to Contact: Harry Morris
Sampler's Signature: Susan Kelly
Printed Name: Susan Kelly

Telephone No. / Fax No. / Email: 864-268-5116 / 864-297-7938
Quote No.:
Page 1 of 1

Sample ID / Description (Combine for each sample any co-ordinate on one line.)	Date	Time	Composite	Grab	Soil	Sludge	Aqueous	Solvent	Air	Other	Aqueous	Solvent	No. of Containers by Preservative Type	TIL-VOA (Base)	TIL-VOC (Base)	TIL-VOC (Base)	TPH-DRO	TIL-DLA (Base)								Remarks / Cooler ID
TRIP BLANK-05	4/2			✓							2		2													
TRIP BLANK-06				✓							2		2													
FIELD BLANK-01	4/22/04	1130		✓							3		3													
BH-14A	4/22/04	1255			✓									4	1	1	1									
BH-14B	4/22/04	1310			✓									4	1	1	1									
BH-14C	4/22/04	1330			✓									4	1	1	1									
BH-20A		1500			✓									4	1	1	1									
BH-20B		1515			✓									4	1	1	1									
BH-20C		1545			✓									4	1	1	1									
BH-20D		1615			✓									4	1	1	1									DO NOT ANALYZE

Matrix (Sample Identification): Soil/Record / Groundwater / Bulk Material / Potable / Wastewater

Sample Disposal: Return to Client / Disposal by Lab / Archive for months

Note: All samples are kept at 4°C for 30 days from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT): Normal / Rush (Specify)

QC Requirements (Specify): LEVEL 4 water / LEVEL 3 - soil

1. Relinquished by: Harry Morris - WATTEC	Date: 4/22/04	Time: 1800	1. Received by:	Date:	Time:
2. Relinquished by:	Date:	Time:	2. Received by:	Date:	Time:
3. Relinquished by: FEDEX	Date: 4/23/04	Time: 0900	3. Received for Laboratory by: [signature]	Date: 4/23/04	Time: 0900

Comments:

LAB USE ONLY: Received on ice (circle) YES / NO | Ice Pack | Sample Temp: 1.6°C

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s); PINK Fate Client Copy

Document Number: CAD 018 Effective Date: 03-01-02

SHEALY ENVIRONMENTAL SERVICES, INC.

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10519733 Site ID: NCSFN0406988

Site Name: Mills Gap Rd

Nature of Material:

Map:		Computer Disks:	
Photos:		CD-ROM:	✓
Blueprints:		Oversized Report:	
Slides:		Log Book:	

Other (describe): Sampling and Analysis Plan

Amount of material:

Please contact the appropriate Records Center to view the material.