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November 18, 2005

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NMED Hazardous Waste Bureau

New Mexico Environment Department
Hazardous Waste Bureau
5500 San Antonio, NE
Albuquerque, NM 87109

Attention: Mr. Cornelius Amindyas
HAFB Project Leader
Permits Management Program

Subject: Revised Final RCRA Facility Investigation Report, Site AOC-2
Holloman Air Force Base, New Mexico

Dear Mr. Amindyas:

Bhate Environmental Associates, Inc. (Bhate), is pleased to submit the above referenced document which has been modified to correct the deficiencies identified in the NMED Request for Supplemental Information dated July 27, 2005 (HWB-HAFB-05-001).

If you have any questions, please feel free to call me at 303-386-6454.

Sincerely,
Bhate Environmental Associates, Inc.

Frank Gardner, PG
Program Manager

cc w/enclosure: James Bearzi, Chief, NMED, HWB

REVISED FINAL
RCRA FACILITY INVESTIGATION
SITE AOC-2
HOLLOMAN AFB, NEW MEXICO

Prepared for:

49 CES/CEV
Holloman Air Force Base
New Mexico

Under Contract To:

U.S. Army Corps of Engineers
Omaha, Nebraska
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Prepared by:

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Bhate Project No. 9030024 01.01

November 2005

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REVISED FINAL
RCRA FACILITY INVESTIGATION

SITE AOC-2
HOLLOMAN AFB, NEW MEXICO
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ACRONYMS AND ABBREVIATIONS

AAF	Army Air Field
AOC	Area of Concern
AF FM	Air Force Form
AFB	Air Force Base
bgs	Below ground surface
Bhate	Bhate Environmental Associates, Inc.
°C	Degrees Celsius
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineering Squadron
COC	Chemicals of concern
DO	Dissolved oxygen
DPT	Direct push technology
DQSR	Data Quality Summary Reports
DRO	Diesel range organics
DSMOA	Department of Defense and State Memorandum of Agreement Program
ft	Feet
ft btoc	Feet below top of casing
FID	Flame Ionization Detector
GPS	Global positioning system
GRO	Gasoline range organics
HAFB	Holloman Air Force Base
HTW	Hazardous and toxic waste
IDW	Investigation derived waste
MCL	Maximum Contaminant Level
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
MS/MSD	Matrix spike/matrix spike duplicate
MSL	Mean sea level
NAD	North American Datum
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
ORO	Oil range organics
ORP	Oxidation reduction potential
OVA	Organic vapor analyzer
PA	Preliminary Assessment
PCBs	Polychlorinated biphenyls
PID	Photo Ionization Detector
ppm	parts per million
PRG	Preliminary Remediation Goal
PVC	Polyvinyl chloride
POL	Petroleum, oil and lubricants

ACRONYMS AND ABBREVIATIONS (CONTINUED)

QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SI	Site Inspection
SOP	Standard operating procedure
SSLs	Soil screening levels
SVOC	Semi-volatile organic compounds
SWMU	Solid Waste Management Unit
TDS	Total dissolved solids
TPH	Total petroleum hydrocarbons
USACE	United States Army Corps of Engineers
USAF	United States Air Force
U.S.EPA	United States Environmental Protection Agency
UTL	Upper tolerance limits
VOC	Volatile organic compounds

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1 INTRODUCTION

Bhate Environmental Associates, Inc., (Bhate) has been retained by the U.S. Army Corps of Engineers (USACE), under contract DACA45-02-D-0012, Delivery Order No. 5, to conduct a Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) at Area of Concern (AOC) - 2 at Holloman Air Force Base (HAFB), New Mexico (Figure 1). RFI data collection activities were initiated in the Spring of 2004 to support the closure of the site based on guidance from the New Mexico Environment Department (NMED). At the conclusion of the 2004 RFI, data gaps existed that required an additional phase of soil and groundwater sampling to meet the objectives of the RFI. These additional sampling activities were conducted by Bhate during the late Summer of 2005. HAFB's responses to comments by the NMED Hazardous Waste Bureau (dated July 27, 2005) from the original RFI Report for AOC-2, dated February 2005 are provided in Attachment A. This revised RFI report has incorporated all of the findings from both sampling events.

1.1 Objectives

The objective of the RFI at the site is to 1) determine if any soil and/or groundwater contamination exists at the site, if so, 2) delineate the horizontal and vertical extent of the contamination, 3) determine whether hazardous conditions exist at the site as a result of the possible previous disposal activities within the boundaries of the site, and 4) determine whether immediate mitigation procedures or additional investigation is required.

Initially, the investigation activities at AOC-2 were to include a Preliminary Assessment (PA) along with a Site Inspection (SI). However, NMED requested that the PA/SI be renamed a RFI. The purpose for this change in terminology is that NMED has no mechanism to be reimbursed for review of any Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) related reports under the Department of Defense and State Memorandum of Agreement Program (DSMOA) with the United States Air Force (USAF).

The RFI for AOC-2 was conducted in accordance with the State of New Mexico requirements and following the guidelines set forth under Appendix 4-B RFI Outline (NMED, February 2004), as well as the *Preliminary Assessment/ Site Inspection Work Plan for Site AOC-2* (Bhate, December 2003).

1.2 Purpose of the RCRA Facility Investigation

The primary objective of the RFI is to comply with the requirements of permit number NM6572124422 by completing the sampling program identified in the Scope of Work and applying site-specific data quality objectives identified in the HAFB Quality Assurance Project Plan (QAPP) (Bhate, November 2003). The data quality objectives include:

- Generate data to characterize contaminant sources

- Determine to the extent possible the nature and extent of contamination in the site media

1.3 Scope of Work

The following summary of the work performed under this RFI is detailed in the *Preliminary Assessment/ Site Inspection Work Plan for Site AOC-2* (Bhate, December 2003) and included:

- Review existing information about the site
- Conduct a site and environs reconnaissance
- Identify potential receptors
- Evaluate all information collected

For this site, a focused RFI was completed to meet the project objectives. To meet the RFI objectives, the following activities were performed from late May through early October 2004:

- Soil and groundwater samples were collected to characterize the presence of any hazardous substances
- The soil and groundwater samples were analyzed for volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs); total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), -diesel range organics (DRO), and-oil range organics (ORO); RCRA metals; polychlorinated biphenyls (PCBs); and herbicides. Additionally, groundwater samples were also analyzed for total dissolved solids (TDS) and nitrate and nitrite.
- The location and coordinates of each sampling point were identified with a global positioning system (GPS) unit.

An additional sampling event was performed from late August through mid September 2005. This sampling event was designed to address the data gaps identified by the NMED Hazardous Waste Bureau (NMED, July 2005). The additional sampling consisted of the following data collection activities:

- Soil and groundwater samples were collected and analyzed for pesticides.

2 SITE BACKGROUND

2.1 HAFB

HAFB was first established in 1942 as Alamogordo Army Air Field (AAF). From 1942 through 1945, Alamogordo AAF served as the training grounds for over 20 different flight groups, flying primarily B-17s, B-24s, and B-29s. After World War II, most operations had ceased at the base. In 1947, Air Material Command announced the air field would be its primary site for the testing and development of un-manned aircraft, guided missiles, and other research programs. On January 13, 1948, the Alamogordo installation was renamed Holloman Air Force Base, in honor of the late Col. George V. Holloman; a pioneer in guided missile research. In 1968, the 49th Tactical Fighter Wing arrived at HAFB and has remained since. Today, HAFB also serves as the training center for the German Air Force's Tactical Training Center.

2.2 AOC-2

AOC-2 is located on the western part of the main base, across Taxiway G. AOC-2 is approximately 110 feet in diameter with primarily salt cedars comprising the vegetation and is slightly depressed topographically as compared to the surrounding area. The site boundary is defined by a wire fence with signage indicating the area to be a former sewage disposal area. The site is approximately 900 feet northeast of the air traffic control tower, Building 864. A site location photomap with the surface features visible is provided as Figure 2. Site photographs are provided as Appendix A.

This RFI is the first investigative study of the site so there is no previous information relating to the environmental status of the site. It is inferred that disposal activities were terminated prior to 1984 although no documentation of disposal records are presently available to corroborate this assertion.

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3 ENVIRONMENTAL SETTING

HAFB is situated in south central New Mexico, in the northwest central part of Otero County (Figure 1). HAFB has a population of 6,000 and occupies about 50,000 acres in the northeast quarter of Section 1, Township 17 South, Range 8 East. The White Sands Missile Range testing facilities occupy additional land extending northward from the Base. Private and public owned lands border the remainder of HAFB. The major highway servicing HAFB is Highway 70, which runs southwest from the town of Alamogordo and separates HAFB from publicly owned lands to the south. Alamogordo which has a population of approximately 35,000 is located approximately 7 miles east of the base.

3.1 Physiography, Topography, and Surface Water Hydrology

HAFB is located in the Tularosa Basin which is bounded by the San Andreas Mountains to the west and the Sacramento Mountains to the east. The basin's interior plain has low relief, with altitudes ranging from about 4,000 feet above mean sea level (MSL) in the southwest to approximately 4,400 feet above MSL in the northeast. The bordering mountains rise abruptly to altitudes of 7,000 to 12,000 feet above MSL.

The climate in the Tularosa Basin is arid with annual precipitation averaging 7.9 inches. Most of the precipitation falls as rain from May to October. The winter period is characterized by clear skies with light and intermittent snowfall. March through May is characterized by strong winds with extensive periods of blowing sand and dust. The mean annual evaporation rate in the basin is 67 inches per year. This evaporation rate results in a net annual precipitation rate of minus 59 inches per year which results in a net loss of groundwater due to evapotranspiration.

3.2 Geology

The Tularosa Basin is a bolson, or a basin with no surface drainage outlet. The sediments of the basin are carried in by water that does not escape. Sediments in the basin are derived from the limestone, dolomite, and gypsum deposits found in the surrounding mountains. Coarse and heterogeneous alluvial materials are present along the boundary of the basin and the mountains. Fine-grained and fluvial sediments derived from the mountains are located in the center part of the basin. The near surface sediments are alluvial, eolian, and playa or lacustrine in origin. In many locations, wind and water have reworked the sediments into discontinuous layers of silt, sand, and clay. These fine-grained sediments contain gypsum crystals.

Although no previous soil investigation has been conducted in the area of AOC-2, it can be assumed that the site's geology is similar to the soils found at the majority of the Base. They are primarily comprised of silty sands with some clay. At depths of approximately 12 to 15 feet below ground surface (bgs), caliche deposits are commonly found. The soils tend to be hard packed to blocky and poorly sorted. The surface of the site is comprised of crushed gravels.

3.3 Site Geology

The geology of the site is based upon the six deep soil borings completed during May 2004 (Appendix B). Generally speaking, the upper 5 feet of soil is comprised of calcareous cemented clays with some fine sand. These soils tend to be light brown in color, 7.5YR 6/4, and slightly moist. There was occasional interbedding with caliche deposits along the eastern boundary. Below this, from 5 feet to about 8 feet, the soils were sandier, more of a clayey sand with a very fine gravelly base in the clay matrix. The soils were still dominated by a calcium based cementation. The clay content tended to increase with depth approaching 8 feet bgs.

From 8 feet to around 17 feet, the lithology returned to a clay dominant matrix having a more red hue (2.5 YR 4/6) while also increasing in moisture content. These soils also tended to increase in clay content with depth as they became more plastic demonstrating very expansive properties.

At around 17 feet to 21 feet, a caliche layer was commonly identified. This clay rich layer was found to be very firm to hard and abundant in gypsum crystals. The color was found to be a light gray, 2.5Y 7/2. Sand and water content increased with depth.

Below the caliche layer, a clayey sand soil was predominantly light gray in color (2.5Y 7/2) grading to a light brown gray, 2.5Y 6/2. At around 22 feet bgs, the lithology is dominated by a saturated very fine grained sands in a soft gypsum-clay matrix with some small amounts of caliche. Most soils borings were terminated at approximately 23 feet bgs.

3.4 Hydrogeology

Groundwater occurs in unconfined conditions within the unconsolidated bolson deposits beneath HAFB. The primary source of recharge is stream runoff from the western side of the Sacramento Mountains. Water migrates through these alluvial deposits into the finer grained sediments of the center of the basin. The depth to water beneath the base ranges from less than 5 feet to 50 feet bgs. Base-wide, groundwater flow direction is influenced by the surface water flow along southwest trending arroyos. In general, groundwater flow direction is west and southwest depending upon the immediate proximity of these drainage features.

Groundwater quality in the Tularosa Basin is of potable quality at the recharge areas in close proximity to the Sacramento Mountains and becomes increasingly mineralized toward the central portion of the basin and discharge areas (Radian, December 1993). At several Solid Waste Management Units (SWMUs) located across the base, monitoring wells contain water with greater than 10,000 milligrams per liter (mg/L) TDS (Foster Wheeler, 2002). There are no potable water wells on HAFB. Potable water for the base and the city of Alamogordo is derived

from the nearby Sacramento Mountains. The only production water well, used for livestock irrigation, is located approximately 8 miles southwest of AOC-2. The purpose of the study is to further document the characteristics and quality of groundwater.

3.5 Site Hydrogeology

After the temporary wells were installed, water levels were measured in May, June, and September 2004 (Table 1). From the water levels, a three month average groundwater depth at the site is 10.13 feet below top of casing (ft btoc). The groundwater depth ranged from an average high of 8.27 ft btoc at TW04 to an average low of 10.47 ft btoc at TW01. Based on well soil boring logs, it appears that monitoring well TW01, at a total depth of 24 feet bgs was installed below the upper caliche layer. The difference in water levels between TW01 and the other wells suggests that caliche layer is somewhat confining. This is more prevalent in the May and June data than the September data (Table 1). The resultant groundwater flow direction is to the south-southwest with a calculated gradient of 0.008 (Figure 3). Water level data from TW01 was not used to generate the potentiometric surface map or calculate the site gradient.

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4 SOURCE CHARACTERIZATION

The following Section presents the data collected and evaluated during the completion of the RFI.

4.1 Document Review

Interviews of Base personnel were conducted by Mr. Jerry Pelfrey of Bhate as part of the document review process. Mr. Pelfrey conducted three separate interviews with Base personnel assigned to the 49th Civil Engineering Squadron (CES). The Foreman of Water and Gas Utilities, Mr. Chuck Price; the Deputy Operations Manager, Mr. Mike Zanelli; and the Foreman of Power Production, Mr. Gary Gant, were shown aerial photographs from 1945, 1982, and 1997, of AOC-2 and questioned concerning potential dumping, burial, or storage of wastes at the site.

To the best of their recollection, there was no dumping, burial, or storage of hazardous wastes at the site. Each individual questioned has been stationed at HAFB for a minimum of 30 years. The aerial photographs from 1945, 1982, and 1997 are provided as Figures 4, 5, and 6. The tall structure to the west of AOC 2 seen in Figure 5 has been identified as the former air traffic control tower. There has been no indications from the documentation reviewed that disposal of any substance from the former tower to the area, septic or otherwise, has occurred in the past.

Additionally, no regulatory permits, violations, or documents pertaining to AOC-2 were found that disclosed information on the purpose or past uses of the site. If the former air traffic tower was a source of disposal to the site, it has since been removed.

4.2 Site and Environs Reconnaissance

The initial site visit and characterization was made on March 4, 2003, during a scoping meeting with NMED and HAFB personnel. Subsequent investigation of the site by Bhate personnel revealed no structures or relicts indicative of sewage disposal with the exception of signage. No indicators of environmental impact such as soil staining or noticeable odors were observed during the RFI.

4.3 Potential Receptors

The site is located in the airfield at HAFB near Taxiway G. The closest inhabited structure or facility to the site is the air traffic control tower, Building 864, which is approximately 900 feet to the southwest.

4.4 Evaluation Summary

No historical documents were found pertaining to the purpose of past uses of the site. No potential receptors have been identified for the soil, surface, and air media. It is inferred that

only the groundwater media would have the potential to impact the three potential receptors; however, due to the large distances, even this is unlikely.

In summary, based on the interviews, site reconnaissance, and the presence of the sewage disposal sign, the site may have been plumbed to the former control tower for sanitary purposes; however, no direct evidence is available to confirm this assertion.

5 FIELD ACTIVITIES

Soil borings were advanced, and soil and groundwater samples were collected from selected locations at the site to determine the nature and extent of possible contamination. Prior to sampling activities, an Air Force Form (AF FM) 332 and dig permit were submitted to the proper offices. All sampling activities were completed following the *Preliminary Assessment/Site Inspection Work Plan for Site AOC-2* (Bhate, December 2003) and standard industry practices.

5.1 Soil Borings and Sampling

In May 2004, six deep soil borings (SB-1 through SB-6) were advanced around AOC-2 (Figure 7) for the purpose of soil sampling in accordance with HAFB Standard Operating Procedures (SOPs) provided in the *Base-wide Quality Assurance Project Plan* (Bhate, November 2003). The soil borings were advanced using a Geoprobe® direct push technology (DPT) rig, a 48-inch MacroCore® soil sampling device and associated tooling. These soil borings were sampled continuously to a depth of approximately 20 feet bgs or refusal, whichever was the lesser depth. In September 2005, two shallow boreholes (a and b) were advanced within the AOC-2 boundary (Figure 7) using a hand auger. A soil sample was collected at 5-feet bgs from each borehole and analyzed for pesticides.

Soils were visually classified in the field by a geologist according to the Unified Soil Classification System. Soils were screened with a TVA 1000 Organic Vapor Analyzer (OVA), to aid in selecting samples for laboratory analysis. One soil sample from each soil boring with the highest OVA reading, as well as the soil sample collected from just above the groundwater interface was selected for laboratory analysis. Soil samples were placed in the appropriate containers, packed on ice at 4 degrees Celsius (°C), and delivered under chain-of-custody to Associated Laboratories in Orange, California. Appendix C contains the Headspace Analysis Logs.

5.2 Monitoring Well Installation

Temporary monitoring wells were installed in each of the six deep soil borings for the purpose of collecting groundwater samples. The monitoring wells were constructed of 1-inch outside diameter, schedule 40, polyvinyl chloride (PVC). Five feet of 0.01-inch, factory slotted, well screen and matching riser were used to complete each monitoring well. A quartz sand filter pack was placed in the annular space around the well screen to approximately 2-feet above the screen. A granular bentonite seal approximately two-feet in thickness was placed in the annular space above the filter pack. The remaining annular space of the well was left open to facilitate abandonment of the monitoring wells once sampling was complete. Each temporary well was developed to clearness or until the well went dry. Due to slow groundwater recovery conditions, field water quality parameters [i.e., pH, dissolved oxygen (DO), conductivity, temperature, oxidation reduction potential (ORP)] were not collected per Variance Form No. 6 (May 28, 2004).

5.3 Groundwater Sampling

In June 2004, groundwater samples were collected from each of the monitoring wells approximately 30 days after each well was developed. Prior to sampling, groundwater levels were collected for each monitoring well and then it was purged. Monitoring well purging and sampling was completed with low flow techniques utilizing a peristaltic pump and disposable polyethylene tubing placed at mid-screen. Each of the wells was pumped at an average rate of less than 1 liter per minute. Due to the inherent low recharge for each of the wells, a minimal amount of water was purged prior to sampling, nominally 2 liters, with water quality parameter measurements recorded only for the final purging volumes (Appendix D). The development volume and sample collection data for each well is documented on the same form. Groundwater samples were placed in the appropriate containers, packed on ice at 4° C, and delivered under chain-of-custody to Associated Laboratories in Orange, California. In September 2005, a second round of groundwater samples was collected from each temporary monitoring well. These groundwater samples were collected using the same methods referenced above and were analyzed for pesticides by Accutest Laboratories in Orlando, Florida.

5.4 Surveying

Sample locations were surveyed in accordance with methods described in the QAPP (Bhate, November 2003). The locations are referenced with horizontal coordinates, and top of casing elevations were obtained for each temporary monitoring well. All elevations are referenced to the North American Datum (NAD) 1983. All horizontal coordinates are referenced to the State Plane Coordinate System, New Mexico Central. Elevations and coordinates are surveyed to the closest 0.001 foot. Appendix E contains the survey data.

5.5 Equipment Decontamination

All reusable equipment associated with soil sampling was decontaminated in accordance with the HAFB SOPs provided in the *Base-wide QAPP* (Bhate, November 2003).

5.6 Waste Handling

All investigation derived waste (IDW) produced during the investigation process was handled in accordance with the HAFB SOPs provided in the *Base-wide QAPP* (Bhate, November 2003).

6 LABORATORY ANALYSIS AND DATA VALIDATION SUMMARY

The analysis of soil and groundwater samples collected during this RFI followed the proposed methodologies presented in the *Preliminary Assessment/Site Inspection Work Plan for AOC 2* (Bhate, December 2003). All analytical procedures followed the U.S. Environmental Protection Agency (U.S. EPA) SW-846 protocol with the groundwater and soil samples being analyzed as follows:

- VOCs by U.S. EPA Method 8260B
- SVOCs by U.S. EPA Method 8270C
- TPH (GRO, DRO, ORO) by U.S. EPA Method 8015
- RCRA 8 Metals by U.S. EPA Method 6010B/7470A
- PCBs by U.S. EPA Method 8082
- Herbicides by U.S. EPA Method 8151A
- Pesticides by U.S. EPA Method 8081A

The groundwater was also analyzed for:

- TDS by U.S. EPA Method 160.1
- Nitrate/nitrite by U.S. EPA Method 353.2

All of the laboratory data generated as part of this project was validated by the project chemist. Field Quality Assurance (QA)/Quality Control (QC) samples, including blind QA samples, equipment rinsates, trip blanks, matrix spikes and matrix spike duplicates, and QC splits, were collected to document field and laboratory QA/QC. The analytical data and Data Quality Summary Reports (DQSR) are provided in Appendix F and G, respectively. Associated Laboratories in Orange, California performed the analysis of all samples collected from late May through early October 2004. Accutest Laboratories in Orlando, Florida performed the analysis of all samples collected from late August through mid September 2005.

Overall, only minor QC issues were identified during the data validation of the laboratory results and the laboratory took all necessary corrective actions. All of the data were determined to be usable with only minor qualifications. Information regarding the precision, accuracy, representativeness, and completeness is provided in the DQSRs (Appendix G) with the following sections providing a synopsis of each analyte group.

6.1 Volatile Organic Compounds

There were no QA deficiencies reported for the volatile group of analytes in any of the samples analyzed.

6.2 Semi-volatile Organic Compounds

During the analyses of the samples for SVOCs, MW02, MW06, MW01, and MW03 had the surrogate recoveries below the associated QC limit. This may indicate a low bias to the data and all SVOC results in these samples were considered estimated "J" or "UJ".

6.3 Total Petroleum Hydrocarbons (GRO, DRO, and ORO)

There were no QA deficiencies reported for the hydrocarbon group of analytes in any of the samples analyzed.

6.4 RCRA Metals

During the analyses of the samples for RCRA metals, each of the monitoring wells samples contain data that were flagged due to matrix spike/matrix spike duplicate (MS/MSD) variances. Other than MW02, each of the monitoring wells RCRA metals analyses flagged data included mercury, barium, cadmium, chromium, lead, and silver. The MW02 mercury data was not flagged. The QA validation indicated the MS/MSD recoveries were below the associated QC limits which may indicate a low bias to the data and possible matrix effect.

Similarly, silver for soil samples collected from soil borings SB-06-3, SBB06-6, SB05-3, SB05-9 with each duplicate and SB2-3 and SB2-9 were flagged for MS/MSD recoveries being below the associated QC limits.

6.5 Polychlorinated Biphenyls Compounds

There were no QA deficiencies reported for the polychlorinated biphenyl group of analytes in any of the samples analyzed.

6.6 Herbicide Compounds

There were no QA deficiencies reported for the herbicide group of analytes in any of the samples analyzed.

6.7 Pesticide Compounds

There were no QA deficiencies reported for the pesticide group of analytes in any of the samples analyzed.

7 NATURE AND EXTENT

Soil and groundwater analytical results are summarized in Tables 2 through 10. The analytical results (VOCs, SVOCs, PCBs, herbicides, RCRA metals, TPH, TDS, nitrate/nitrite, and pesticides) for each soil and groundwater sampling location are graphically presented on Figures 8 through 11.

7.1 Soil

7.1.1 Soil Headspace Results

Soil borings SB-01 and SB-02 were completed to a depth of 23 feet (ft) bgs; soil borings SB-02 through SB-05 were completed to a depth of 20 ft bgs; and soil boring SB-06 was completed to 18 ft bgs. Data were collected with both Photo Ionization Detector (PID) and Flame Ionization Detector (FID) monitors for each boring on one foot intervals (Appendix C). With each soil boring, prior to the collection of the samples, the background ambient concentrations were documented. Of all the soil samples analyzed for each of the soil borings, the PID concentrations ranged from a low of 0.60 parts per million (ppm) in the 1 to 2 ft bgs interval for SB-05 to a high of 11.58 ppm in the 3 to 4 ft bgs interval in SB-01. Other than SB-03, each of the soil borings demonstrated an elevated anomaly in the PID readings. For the most part, this peak occurred somewhere between 15 to 20 ft bgs. Only SB-01 was dissimilar in that a second peak occurred at around 4 ft bgs. Coincidently this is also the interval with the overall highest PID reading of all the soil samples analyzed. Also unique to SB-01, the PID readings were overall higher than the others. In soil boring SB-06, interference is recognized in the FID readings from sample interval 9 to 12 ft bgs.

7.1.2 Soil Analytical Results

Analytical results for samples collected from AOC-2 indicate that no VOCs (Table 2), SVOCs (Table 3), PCBs (Table 4), herbicides (Table 4), TPH (Table 4), and pesticides (Table 5), were detected above the method detection limits. However, several RCRA-8 metals were detected. Each metal concentration has been initially compared to the Base-wide upper tolerance limits (UTLs) (Radian, 1993) and then to the Residential Soil Screening Levels (SSLs) (NMED, February 2004). The final screening of the soil data is to any regional references where applicable.

The UTL represents an estimate of the upper 95th percentile of the true background concentration of the analyte of interest for the quantity of samples collected during the Base-wide Background Study as completed by Radian Corporation in December 1993 (Radian, 1993). The Base-wide UTL for lead has been calculated as -2.3221 milligrams per kilogram (mg/kg). Because of this erroneous value, no comparison for lead of the soil samples collected was completed.

As summarized in the table below, arsenic, barium, cadmium, chromium, lead, and silver were all detected at low concentrations in the soil samples. Of these detections, two occurrences of

arsenic (4.12 mg/kg in SB03-3 and 4.91 mg/kg in SB-04-3) are below the base-wide UTL (6.88 mg/kg), but exceed the SSL (3.90 mg/kg). Two occurrences of silver (1.6 mg/kg in SB-04-9 and 0.86 mg/kg in SB-04-3) exceeded the base-wide UTL of 0.73 mg/kg though each is well below the SSL of 391 mg/kg. Because selenium and mercury were not detected in any soil samples they are not included in the table below. The laboratory Form I's are provided in Appendix F. Complete analytical results for RCRA metals in the soil samples have been tabulated in Table 4, and are illustrated on Figure 9.

Analyte	Arsenic	Barium	Cadmium	Chromium	Lead	Silver
Number of samples with detections	14 (including duplicates)	14 (including duplicates)	1	14 (including duplicates)	9 (including duplicates)	3
Range	0.61 to 4.91 mg/kg	13.6 to 36.3 mg/kg	0.063 mg/kg	1.24 to 5.69 mg/kg	0.428 to 1.89 mg/kg	0.702 to 1.6 mg/kg
High	SB-04-3	SB-04-9	SB-03-9	SB-04-9	SB-05-9	SB-04-9
Base-wide UTL	6.88 mg/kg	84.36 mg/kg	1.04 mg/kg	6.6 mg/kg	*	0.73 mg/kg
NMED SSL	3.9 mg/kg	5,450 mg/kg	74.1 mg/kg	234 mg/kg	400 mg/kg	391 mg/kg
Exceed UTL	No	No	No	No	NA	Yes
Exceed SSL	Yes	No	No	No	No	No
* calculated UTL was a non-positive value, which is not a usable value for screening.						

7.2 Groundwater

7.2.1 Analytical Results

Analytical results for groundwater samples collected from AOC-2 in June 2004 indicate that with the exception of low levels of several RCRA-8 metals, no chemicals of concern (COCs) were detected (Tables 6 through 8). Each metal concentration has been compared to the Base-wide UTLs for total metals in groundwater (Radian, 1993), the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards (New Mexico Administrative Code [NMAC] 20.6.2), EPA Maximum Contaminant Levels (MCLs), and EPA Region 6 Preliminary Remediation Goals (PRGs). Cadmium, lead, mercury, and silver were not detected in the groundwater at the site. Analytical results for RCRA metals in groundwater are detailed in Table 8, and are illustrated on Figure 11. The following summary table demonstrates the detections for the RCRA metals. All of the arsenic concentrations were below the base-wide UTL and the NMWQCC screening levels but exceeded the EPA MCL and the PRG.

Analyte	Arsenic	Barium	Chromium	Selenium
Number of samples with detections	6	6	6	1
Range	0.022 to 0.027 mg/L	0.012 to 0.024 mg/L	0.012 to 0.015 mg/L	0.014 mg/L
High	MW-06	MW-01	MW-01	MW-01
Base-wide UTL	0.0723 mg/L	0.9293 mg/L	0.234 mg/L	0.0793 mg/L
NMWQCC	0.1 mg/L	1.0 mg/L	0.05 mg/L	0.05 mg/L
EPA MCLs	0.01 mg/L	2.0 mg/L	0.1 mg/L	0.05 mg/L
EPA Region 6 PRG	0.000045 mg/L	2.6 mg/L	0.11 mg/L	0.18 mg/L
Exceed Base-wide UTL	No	No	No	No
Exceed NMWQCC	No	No	No	No
Exceed MCL	Yes	No	No	No
Exceed Region 6 PRG	Yes	No	No	No

7.2.2 Nitrate/Nitrite

Nitrate/nitrite as nitrogen concentrations ranged from 4.2 to 12.8 mg/L in the groundwater samples analyzed (Table 9). The nitrate/nitrite concentrations in wells MW-01 (11.4 mg/L) and MW-02 (12.8 mg/L) exceeded the NMWQCC standard and the MCL of 10 mg/L. There is no base-wide UTL for nitrate but data presented in the January 2004 *Long Term Groundwater Monitoring Program for ERA Sites: Groundwater Quality Evaluation, Holloman Air Force Base, New Mexico* (Tetra Tech FW, 2004) suggests a background nitrate concentration of 3.44 mg/L (data from well MW-BG-4 located upgradient of AOC 2). The relatively narrow extent of nitrate concentrations above the MCL would suggest there is no continuing source.

7.2.3 Total Dissolved Solids

The NMWQCC Regulations are published groundwater quality standards for aquifers with TDS concentrations less than or equal to 10,000 mg/L (20.6.2.3101 NMAC). TDS concentrations in samples from wells MW-01 through MW-06 were above 10,000 mg/L (Table 9) with concentrations ranging from a low of 15,400 mg/L at MW-05 to a high of 24,700 mg/L at MW-01. Each of the wells exceeds the allowable limits for TDS for the groundwater to be considered a viable drinking water source.

7.2.4 Pesticides

In September 2005, the six temporary monitoring wells (MW-01 – MW06) were resampled and the groundwater samples were analyzed for pesticides. Pesticides were not detected in any of the wells (Table 10).

8 PROJECT VARIANCES

Each of the following variances is provided in Appendix H in chronological order of the following procedure groups.

8.1 Analytical

There were four variances submitted in relation to the analytical methodologies and/or specific analysis to be performed for the project. The first variance (Variance Form No. 1) was submitted on May 3, 2004, for the inclusion of herbicides (8151A) and PCBs (8082) analyses for both soils and groundwater. On May 4, 2004, a variance was submitted to change the analytical laboratory from ELAB of Tennessee, as stated in the PA/SI Work Plan, to Associated Labs of California (Variance Form No. 2). Also on May 4, a variance was submitted to exclude the requirement for trip blanks for samples which included the following analytical groups: TPH-GRO, -DRO, and -ORO using Method 8015 (Variance Form No. 3). The final variance associated with analytical procedures was submitted on May 17, 2004. This variance revises the total quantity of samples to be analyzed in accordance with Variance Form No. 3 on May 4, 2004.

8.2 Field

There was one variance submitted in relation to field procedures during the investigation. The variance was submitted on May 28, 2004 (Variance Form No. 6). It was to alter the sampling procedure by eliminating the requirement of collection of field parameters. This variance was submitted because the well recharge rate was very small, which resulted in the monitoring wells to go dry during purging attempts. In addition, a variance was submitted on May 17, 2004, to replace Mr. Jerry Pelfry as the Field Team Leader with Mr. Mark Mumby (Variance Form No. 4).

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9 SUMMARY AND CONCLUSIONS

9.1 Summary

AOC-2 is located in an isolated area near Taxiway G with the nearest structure, an air traffic control tower, Building 864. Document searches, personal interviews, and site inspection activities have revealed no indication of previous activity which would create a need for further investigations.

There was no indication of a release to the soil or groundwater pathways. The analytical data were compared to the Base-wide UTL values and the NMED SSLs. Soil analytical results indicate two samples (SB-04-3 and SB-04-9) where the silver concentration exceeded the Base-wide UTL (0.73 mg/kg) but is lower than the NMED SSL (391 mg/kg). Groundwater analytical results indicate arsenic concentrations at the site exceed the MCL of 0.01 mg/L but are below the base-wide UTL of 0.0723 mg/L. Nitrate concentrations in MW-01 (11.4 mg/L) and MW-02 (12.8 mg/L) were above the NMWQCC limit of 10 mg/L. However, the nitrate concentration (4.2 mg/L) in the downgradient well MW-06 is below the NMWQCC standard. Therefore, the limited extent and relatively low exceedance over the standard appears to be indicative of an inactive source.

Lastly, the TDS concentrations in each of the monitoring wells exceed the NMWQCC standard of 10,000 mg/L which indicates the shallow groundwater at AOC-2 cannot be used for human consumption.

9.2 Conclusions

Based on the findings of the RFI, the following conclusions and recommendations have been developed. Soil analytical results indicate that elevated levels of RCRA metals are present in soil; however, as indicated by screening the data against the Base-wide UTLs and Residential SSLs, the presence of arsenic, barium, cadmium, chromium, lead, and silver do not pose any unacceptable risks.

Groundwater analytical results indicate that concentrations of arsenic, barium, chromium, and selenium are present in groundwater; however, as in the soil, the presence of these metals in groundwater do not pose any unacceptable risks because they are less than the base-wide UTLs.

The presence of nitrate above the NMWQCC standard of 10 mg/L is not considered a risk due to the naturally high TDS concentrations and demonstration in this RFI report that there is no active or continuing discharge going on at the site. According the NMAC 20.6.2.3103 "Regardless of whether there is one contaminant or more than one contaminant present in groundwater, when an existing pH or concentration of any water contaminant exceeds the standard specified in Subsection A, B, or C of this section, the existing pH or concentration shall be the allowable limit...". Therefore, the interpretation made is the nitrate level of 12.8 mg/L becomes the

standard for this site. Based on the results of soil and groundwater samples at the sampling locations, no further action is recommended for AOC-2.

10 REFERENCES

Bhate Environmental Associates, Inc. July 2003. *Final Base-wide Health and Safety Plan.*

Bhate Environmental Associates, Inc. November 2003. *Final Base-wide Quality Assurance Project Plan.*

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EPA Region 6, 2004-2005, *Human Health Medium-Specific Screening Levels.*

Foster Wheeler. March 1998. *Characterization Summary and No Further Action (NFA) Documentation for Installation Restoration Program Sites SS-2/5 POL Yard (AOC T), SD-47 POL Washrack Area (SWMU 133), and SS-60 Building 828 (SWMU 230).*

Foster Wheeler. July 2002. *2001 Long-Term Groundwater Monitoring Report, Holloman Air Force Base, New Mexico.*

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NMAC 20.6.2, New Mexico Water Quality Control Commission Regulations, September 15, 2002. (http://www.nmenv.state.nm.us/NMED_Regs/gwb/20_6_2_NMAC.pdf)

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January 2004. Letter Report: Long-Term groundwater Monitoring Program for ERA Sites: Groundwater Quality Evaluation, Holloman Air Force Base, New Mexico.

ATTACHMENT A

RESPONSES TO COMMENTS

RESPONSE TO COMMENTS
Final RCRA Facility Investigation Report ERP
Site AOC-2
Holloman AFB, New Mexico

COMMENT NO.	SECTION	PAGE	COMMENT	RESPONSE
AUTHOR:	Cornelius Amindyas (NMED, HWB)		Date of Comments: July 27, 2005.	Date of Response: October 6, 2005
DOCUMENT:	Final RCRA Facility Investigation Report			
1	Table of Contents	Figures	The Figure designations in the Table of Contents (**TOC**) do not match the designations on the actual Figures. For example, Figure 3 in the TOC is actually Figure 9 and should be labeled "AOC-2 Potentiometric Surface Map, June 2004", NOT September 2004. NMED requests that HAFB revise the Figures section of the TOC so that it matches the designations shown on the actual Figures.	Concur. Figures 3 and 9 were mislabeled. As a result Figure 9 has been revised to read "Figure 3" and Figures 3 through 8 have been designated Figures 4 through 9, respectively to sequentially match when they are first referenced in the text. The Figures section of the TOC has also been modified. The groundwater elevaton data presented on the AOC-2 Potentiometric Surface Map (Figure 3) was collected in September 2004 (refer to Table 1), therefore the title was revised to read "September 2004" and the TOC was not revised.
2	1.3, Scope of Work, 6th Bulleted Item	1-2	The NMED's Work Plan approval letter for this RFI, dated May 6, 2004, requested that pesticices be analyzed for in the soil and ground water. According to the Scope of Work, pesticides were not analyzed for. NMED requests that HAFB provide justification as to why HAFB did not analyze for pesticides.	Concur. Pesticides were not analyzed for in the soil and groundwater samples collected during the RFI conducted in June 2004. In order to meet the objectives of the AOC-2 RFI, additional soil and groundwater samples were collected from two 5-foot boreholes and the six existing temporary monitoring wells. These soil and groundwater samples were analyzed for pesticides (US EPA Method 8081A) in September 2005. The results for these samples have been integrated into the Revised Final Site AOC-2 RFI Report.
3	3.5, Site Hydrology	3-3	NMED requests that HAFB revise the reference to Figure "3" to read Figure 9.	Figure 9 has been modified to read "Figure 3", therefore the reference to Figure "3" has not been revised in the text.
4	4.1, Document Review, 2nd ¶, 3rd and 4th Sentences	4-1	NMED requests that HAFB revise the reference to Figures "4, 5 and 6" to read Figures 3, 4 and 5. In the next sentence, the reference to Figure "5" should read Figure 4.	Figures 3, 4, and 5 have been changed to "Figure 4", "Figure 5", and "Figure 6" respectively, therefore the reference to Figures "4, 5 and 6" has not been revised in the text.
5	5.1, Soil Borings and Sampling, 1st Sentence	5-1	NMED requests that HAFB revise the reference to Figure "7" to read Figure 6.	Figure 6 has been revised to "Figure 7", therefore the reference to Figure "7" has not been revised in the text.

RESPONSE TO COMMENTS
Final RCRA Facility Investigation Report ERP
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Holloman AFB, New Mexico

COMMENT NO.	SECTION	PAGE	COMMENT	RESPONSE
6	7, Nature and Extent, 1st and 2nd Sentences	7-3	NMED requests that HAFB revise the reference to Tables 2 through "10" be revised to read Tables 2 through 8. In the next sentence, the reference to Figures 8 and "9" should read Figures 8 and 11.	As a result of collecting additional soil and groundwater samples for pesticide analysis two new tables (5 and 10) have been added to the AOC-2 RFI Report, therefore the reference to Tables 2 through "10" was not revised. The second sentence has been rewritten and now references Figures 8 through 11 (see response to Comment No. 7). In addition, the Section 7 pagination was incorrect (mislabeled pages 7-3 through 7-5) and was revised to 7-1 through 7-4.
7	7, Nature and Extent, 3rd Sentence	7-3	This sentence suggests that the results for analyte groups that were reported as non-dectable were not graphically presented. In fact, these results were presented on Figures 7 and 10. NMED requests that HAFB revise this sentence to reflect this.	Concur. The second and third sentences have been deleted and rewritten to indicate that the analytical results for each soil and groundwater sampling location are graphically presented on Figures 8 through 11.
8	7.1.1, Soil Headspace Results, 1st and 4th Sentences	7-3	1st Sentence: **"Soil borings SB-02 through SB-05 were completed to 20' below ground surface (bgs). Soil boring SB-06 was completed to 18' bgs".** NMED requests that HAFB revise this sentence to reflect this. 4th Sentence: **"According to the Soil Headspace Logs, the lowest PID reading was 0.6 in the 1' to 2' bgs interval in SB-05 and the highest was 11.58 in the 3' to 4' bgs interval in SB-01".** NMED requests that HAFB revise this sentence to reflect this.	Concur. The first sentence was rewritten to include that "soil boring SB-06 was completed to 18 ft bgs. Concur. The fourth sentence was rewritten to reflect the lowest PID reading (0.6 ppm, in the 1 to 2 ft bgs interval in SB-05) and the highest PID reading (11.58 ppm in the 3 to 4 ft bgs interval in SB-01).
9	7.1.2, Soil Analytical Results, 1st ¶, 1st Sentence	7-3	NMED requests that HAFB revise the reference to Table "1" to read Table 2, the reference to Table "2" to read Table 3, and the Reference to Table "3" to read Table 4.	Concur. The references to Tables 1, 2 and 3 have been revised to read "Table 2", "Table 3", and "Table 4", respectively.
10	7.1.2, Soil Analytical Results, 3rd ¶, 2nd Sentence	7-3	This sentence states that there was one occurrence of arsenic (4.91 mg/kg in SB-04-3) was above the NMED Residential Soil Screening Level (SSL). In fact, there were two occurrences of arsenic above the SSL of 3.9 mg/kg. The results for soil boring SB-03-3 showed arsenic at 4.12 mg/kg. NMED requests that HAFB revise this sentence to reflect these concentrations.	Concur. The second sentence has been revised to include the two detections of arsenic that are above the NMED Residential Soil Screening Level (SSL).

RESPONSE TO COMMENTS
Final RCRA Facility Investigation Report ERP
Site AOC-2
Holloman AFB, New Mexico

COMMENT NO.	SECTION	PAGE	COMMENT	RESPONSE
11	7.2.1, Ground Water Analytical Results, 4th Sentence	7-4	NMED requests that HAFB revise the reference to Figure "9" to read Figure 11.	Concur. The reference to Figure "9" has been modified to Figure "11".
12	Tables 2, 3 and 4 and the Table on Page 7-4		These tables show the NMED Residential SSLs from NMED's February 2004 SSL Table A-1. This was updated in August 2004, and is available on the Hazardous Waste Bureau web page (http://www.nmenv.state.nm.us/hwb/guidance.html). NMED requests that HAFB revise these tables to reflect the August 2004 SSL table updates.	Concur. Tables 2, 3, and 4 will be revised to reflect the NMED Residential SSLs updated in August 2004 (in addition the date of the reference for the SSLs in the text in Section 10, will be revised to reflect the August 2004 date).
13	Figure 6		Site-specific map figures must include a coordinate system (i.e., UTM, latitude/longitude), the boundaries of the site shown on the site map and the coordinates of the site boundaries on the site map. High accuracy (+/-3 ft) GPS coordinates are acceptable. NMED requests that HAFB revise this Figure accordingly.	Concur. The AOC-2 site boundary (as identified by the fence, shallow surface depression and associated salt cedars) has been added to the site specific maps. As the AOC-2 site is circular, boundary coordinates are not available. However, the Northing and Easting coordinates for each soil boring/montoring well, are presented in Table 1. All horizontal coordinates are referenced to the State Plane Coordinate System, New Mexico Central and were surveyed to the closest 0.001 foot.
14	Figure 8, Sample Result Table for Boring SB-02		NMED requests that HAFB revise the reference to sample SB-02-"4" to read SB-02-9.	Concur. The reference to sample SB-02-4 has been changed to SB-02-"9".
15	Figure 11, Title Block		NMED requests that HAFB revise the title of this Figure to read AOC-2 "Groundwater" Analytical Results, RCRA-8 Metals.	Concur. The title has been changed to read AOC-2 Groundwater Analytical Results, RCRA-8 Metals. In addition, the symbols at the sample locations and the legend have been changed from soil borings to monitoring wells.
16	Appendix F, Analytical Data Package		The laboratory analytical data package does not contain the results reports for soil samples AOC2-SB04-3 and AOC2-SB04-9 and groundwater sample AOC2-MW01. NMED requests that HAFB provide a copy of these laboratory results reports.	Concur. A copy of the Analytical Results Report for soil samples AOC2-SB04-3 and AOC2-SB04-9 and groundwater sample AOC2-MW01 has been added to the Analytical Data Package (Appendix F).

END OF COMMENTS

TABLES

Table 1. Groundwater Elevation Summary
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Well	Northing	Easting	Elevation (TOC)	Code	Average Water levels DTW from TOC	TOC Height (ft)	Groundwater Elevation May 2004	Groundwater Elevation June 2004	Groundwater Elevation September 2004
MW-01	674726.101	1683500.266	4066.645	West	10.46	0.74	4056.595	4055.165	4056.765
MW-02	674770.238	1683547.567	4066.984	North	12.25	2.64	4057.114	4057.084	4057.294
MW-03	674689.133	1683560.325	4066.358	South	11.04	1.73	4056.748	4056.468	4057.088
MW-04	674726.886	1683558.301	4065.810	Center	10.45	1.84	4056.810	4057.070	4056.930
MW-05	674740.811	1683595.018	4066.937	East	10.02	0.50	4057.197	4056.137	4057.287
MW-06	674628.610	1683484.021	4066.444	Far South	11.77	1.94	4056.454	4056.054	4056.594

NOTES: TOC = Top of Casing; DTW = Depth to Water; ft = feet

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB01-3 3'-3			AOC2-SB01-9 9'-9'			AOC2-SB01-3 2'-4'			AOC2-SB01-9 8'-10'		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129835			129835			129835			129835		
Sample Collection Date			20-May-04			20-May-04			20-May-04			20-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,1,1,2-Tetrachloroethane	NV	39.3	ND	5		ND	5		NA			NA		
1,1,1-Trichloroethane	NV	551	ND	5		ND	5		NA			NA		
1,1,2,2-Tetrachloroethane	NV	5.2	ND	5		ND	5		NA			NA		
1,1,2-Trichloroethane	NV	10.7	ND	5		ND	5		NA			NA		
1,1,2-Trichlorotrifluoroethane	NV	3180	ND	5		ND	5		NA			NA		
1,1-Dichloroethane	NV	820	ND	5		ND	5		NA			NA		
1,1-Dichloroethene	NV	182	ND	5		ND	5		NA			NA		
1,1-Dichloropropene	NV	NV	ND	5		ND	5		NA			NA		
1,2,3-Trichlorobenzene	NV	NV	ND	5		ND	5		NA			NA		
1,2,3-Trichloropropane	NV	3.2	ND	5		ND	5		NA			NA		
1,2,4-Trichlorobenzene	NV	651	ND	5		ND	5		NA			NA		
1,2,4-Trimethylbenzene	NV	52.2	ND	5		ND	5		NA			NA		
1,2-Dibromo-3-chloropropane	NV	3.64	ND	5		ND	5		NA			NA		
1,2-Dibromoethane	NV	0.0714	ND	5		ND	5		NA			NA		
1,2-Dichlorobenzene	NV	116	ND	5		ND	5		NA			NA		
1,2-Dichloroethane	NV	5.07	ND	5		ND	5		NA			NA		
1,2-Dichloropropane	NV	10	ND	5		ND	5		NA			NA		
1,3,5-Trimethylbenzene	NV	22.3	ND	5		ND	5		NA			NA		
1,3-Dichlorobenzene	NV	70.4	ND	5		ND	5		NA			NA		
1,3-Dichloropropane	NV	NV	ND	5		ND	5		NA			NA		
1,4-Dichlorobenzene	NV	36	ND	5		ND	5		NA			NA		
1-Chlorohexane	NV	NV	ND	5		ND	5		NA			NA		
2,2-Dichloropropane	NV	NV	ND	5		ND	5		NA			NA		
2-Butanone (MEK)	NV	573	ND	100		ND	100		NA			NA		
2-Chloroethyl vinyl ether	NV	NV	ND	5		ND	5		NA			NA		
2-Chlorotoluene	NV	1560	ND	5		ND	5		NA			NA		
2-Hexanone	NV	NV	ND	5		ND	5		NA			NA		
4-Chlorotoluene	NV	NV	ND	5		ND	5		NA			NA		
4-Methyl -2- Pentanone (MIBK)	NV	NV	ND	5		ND	5		NA			NA		
Acetone	NV	70400	ND	50		ND	50		NA			NA		
Acetonitrile	NV	NV	ND	5		ND	5		NA			NA		
Acrolein	NV	0.184	ND	200		ND	200		NA			NA		
Acrylonitrile	NV	3.96	ND	5		ND	5		NA			NA		
Allyl chloride	NV	NV	ND	5		ND	5		NA			NA		
Benzene	NV	27.0	ND	5		ND	5		NA			NA		
Benzyl chloride	NV	NV	ND	5		ND	5		NA			NA		
Bromobenzene	NV	33.2	ND	5		ND	5		NA			NA		
Bromochloromethane	NV	NV	ND	5		ND	5		NA			NA		
Bromodichloromethane	NV	103	ND	5		ND	5		NA			NA		
Bromoform	NV	NV	ND	5		ND	5		NA			NA		
Bromomethane	NV	7.62	ND	5		ND	5		NA			NA		

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB01-3 3'-3			AOC2-SB01-9 9'-9'			AOC2-SB01-3 2'-4'			AOC2-SB01-9 8'-10'		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129835			129835			129835			129835		
Sample Collection Date			20-May-04			20-May-04			20-May-04			20-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Carbon Disulfide	NV	3760	ND	5		ND	5		NA			NA		
Carbon tetrachloride	NV	3.13	ND	5		ND	5		NA			NA		
Chlorobenzene	NV	176	ND	5		ND	5		NA			NA		
Chloroethane	NV	1380	ND	5		ND	5		NA			NA		
Chloroform	NV	3.56	ND	5		ND	5		NA			NA		
Chloromethane	NV	19.5	ND	5		ND	5		NA			NA		
Dibromochloromethane	NV	76.2	ND	5		ND	5		NA			NA		
Dibromomethane	NV	NV	ND	5		ND	5		NA			NA		
Dichlorodifluoromethane	NV	144	ND	5		ND	5		NA			NA		
Ethyl benzene	NV	10600	ND	5		ND	5		NA			NA		
Ethyl methacrylate	NV	51.8	ND	5		ND	5		NA			NA		
Hexachlorobutadiene	NV	12	ND	5		ND	5		NA			NA		
Iodomethane	NV	NV	ND	5		ND	5		NA			NA		
Isopropylbenzene (Cumene)	NV	700	ND	5		ND	5		NA			NA		
Methacrylonitrile	NV	3.61	ND	5		ND	5		NA			NA		
Methyl methacrylate	NV	2830	ND	5		ND	5		NA			NA		
Methyl-tert-butylether (MTBE)	NV	980	ND	5		ND	5		NA			NA		
Methylene chloride	NV	165	ND	5		ND	5		NA			NA		
Naphthalene	NV	71.9	ND	5		ND	5		NA			NA		
Pentachloroethane	NV	NV	ND	5		ND	5		NA			NA		
Propionitrile	NV	NV	ND	5		ND	5		NA			NA		
Styrene	NV	419	ND	5		ND	5		NA			NA		
Tetrachloroethene	NV	9.83	ND	5		ND	5		NA			NA		
Toluene	NV	248	ND	5		ND	5		NA			NA		
Trichloroethene	NV	0.648	ND	5		ND	5		NA			NA		
Trichlorofluoromethane	NV	528	ND	5		ND	5		NA			NA		
Vinyl acetate	NV	953	ND	50		ND	50		NA			NA		
Vinyl chloride	NV	0.349	ND	5		ND	5		NA			NA		
Xylenes, total	NV	132	ND	5		ND	5		NA			NA		
cis-1,2-Dichloroethene	NV	782	ND	5		ND	5		NA			NA		
cis-1,3-Dichloropropene	NV	NV	ND	5		ND	5		NA			NA		
cis-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		NA			NA		
m and p-Xylene	NV	204	ND	5		ND	5		NA			NA		
n-Butylbenzene	NV	62	ND	5		ND	5		NA			NA		
n-Propylbenzene	NV	53.2	ND	5		ND	5		NA			NA		
o-Xylene	NV	98.6	ND	5		ND	5		NA			NA		
p-Isopropyltoluene	NV	NV	ND	5		ND	5		NA			NA		
sec-Butylbenzene	NV	60.5	ND	5		ND	5		NA			NA		
tert-Butylbenzene	NV	106	ND	5		ND	5		NA			NA		
trans-1,2-Dichloroethene	NV	1560	ND	5		ND	5		NA			NA		
trans-1,3-Dichloropropene	NV	NV	ND	5		ND	5		NA			NA		
trans-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		NA			NA		

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB02-3			AOC2-SB02-9			AOC2-SB03-3			AOC2-SB03-9		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129834			129834			129829			129829		
Sample Collection Date			21-May-04			21-May-04			21-May-04			21-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,1,1,2-Tetrachloroethane	NV	39.3	ND	5		ND	5		ND	5		ND	5	
1,1,1-Trichloroethane	NV	551	ND	5		ND	5		ND	5		ND	5	
1,1,2,2-Tetrachloroethane	NV	5.2	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichloroethane	NV	10.7	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichlorotrifluoroethane	NV	3180	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethane	NV	820	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethene	NV	182	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichlorobenzene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichloropropane	NV	3.2	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trichlorobenzene	NV	651	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trimethylbenzene	NV	52.2	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromo-3-chloropropane	NV	3.64	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromoethane	NV	0.0714	ND	5		ND	5		ND	5		ND	5	
1,2-Dichlorobenzene	NV	116	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloroethane	NV	5.07	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloropropane	NV	10	ND	5		ND	5		ND	5		ND	5	
1,3,5-Trimethylbenzene	NV	22.3	ND	5		ND	5		ND	5		ND	5	
1,3-Dichlorobenzene	NV	70.4	ND	5		ND	5		ND	5		ND	5	
1,3-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,4-Dichlorobenzene	NV	36	ND	5		ND	5		ND	5		ND	5	
1-Chlorohexane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2,2-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Butanone (MEK)	NV	573	ND	100		ND	100		ND	100		ND	100	
2-Chloroethyl vinyl ether	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Chlorotoluene	NV	1560	ND	5		ND	5		ND	5		ND	5	
2-Hexanone	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Chlorotoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Methyl -2- Pentanone (MIBK)	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acetone	NV	70400	ND	50		ND	50		ND	50		ND	50	
Acetonitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acrolein	NV	0.184	ND	200		ND	200		ND	200		ND	200	
Acrylonitrile	NV	3.96	ND	5		ND	5		ND	5		ND	5	
Allyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Benzene	NV	27.0	ND	5		ND	5		ND	5		ND	5	
Benzyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromobenzene	NV	33.2	ND	5		ND	5		ND	5		ND	5	
Bromochloromethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromodichloromethane	NV	103	ND	5		ND	5		ND	5		ND	5	
Bromoform	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromomethane	NV	7.62	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB02-3			AOC2-SB02-9			AOC2-SB03-3			AOC2-SB03-9		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129834			129834			129829			129829		
Sample Collection Date			21-May-04			21-May-04			21-May-04			21-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Carbon Disulfide	NV	3760	ND	5		ND	5		ND	5		ND	5	
Carbon tetrachloride	NV	3.13	ND	5		ND	5		ND	5		ND	5	
Chlorobenzene	NV	176	ND	5		ND	5		ND	5		ND	5	
Chloroethane	NV	1380	ND	5		ND	5		ND	5		ND	5	
Chloroform	NV	3.56	ND	5		ND	5		ND	5		ND	5	
Chloromethane	NV	19.5	ND	5		ND	5		ND	5		ND	5	
Dibromochloromethane	NV	76.2	ND	5		ND	5		ND	5		ND	5	
Dibromomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Dichlorodifluoromethane	NV	144	ND	5		ND	5		ND	5		ND	5	
Ethyl benzene	NV	10600	ND	5		ND	5		ND	5		ND	5	
Ethyl methacrylate	NV	51.8	ND	5		ND	5		ND	5		ND	5	
Hexachlorobutadiene	NV	12	ND	5		ND	5		ND	5		ND	5	
Iodomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Isopropylbenzene (Cumene)	NV	700	ND	5		ND	5		ND	5		ND	5	
Methacrylonitrile	NV	3.61	ND	5		ND	5		ND	5		ND	5	
Methyl methacrylate	NV	2830	ND	5		ND	5		ND	5		ND	5	
Methyl-tert-butylether (MTBE)	NV	980	ND	5		ND	5		ND	5		ND	5	
Methylene chloride	NV	165	ND	5		ND	5		ND	5		ND	5	
Naphthalene	NV	71.9	ND	5		ND	5		ND	5		ND	5	
Pentachloroethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Propionitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Styrene	NV	419	ND	5		ND	5		ND	5		ND	5	
Tetrachloroethene	NV	9.83	ND	5		ND	5		ND	5		ND	5	
Toluene	NV	248	ND	5		ND	5		ND	5		ND	5	
Trichloroethene	NV	0.648	ND	5		ND	5		ND	5		ND	5	
Trichlorofluoromethane	NV	528	ND	5		ND	5		ND	5		ND	5	
Vinyl acetate	NV	953	ND	50		ND	50		ND	50		ND	50	
Vinyl chloride	NV	0.349	ND	5		ND	5		ND	5		ND	5	
Xylenes, total	NV	132	ND	5		ND	5		ND	5		ND	5	
cis-1,2-Dichloroethene	NV	782	ND	5		ND	5		ND	5		ND	5	
cis-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
cis-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	
m and p-Xylene	NV	204	ND	5		ND	5		ND	5		ND	5	
n-Butylbenzene	NV	62	ND	5		ND	5		ND	5		ND	5	
n-Propylbenzene	NV	53.2	ND	5		ND	5		ND	5		ND	5	
o-Xylene	NV	98.6	ND	5		ND	5		ND	5		ND	5	
p-Isopropyltoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
sec-Butylbenzene	NV	60.5	ND	5		ND	5		ND	5		ND	5	
tert-Butylbenzene	NV	106	ND	5		ND	5		ND	5		ND	5	
trans-1,2-Dichloroethene	NV	1560	ND	5		ND	5		ND	5		ND	5	
trans-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
trans-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB04-3			AOC2-SB04-9			AOC2-SB05-3			AOC2-SB05-3-a		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129884			129884			129954			129954		
Sample Collection Date			24-May-04			24-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,1,1,2-Tetrachloroethane	NV	39.3	ND	5		ND	5		ND	5		ND	5	
1,1,1-Trichloroethane	NV	551	ND	5		ND	5		ND	5		ND	5	
1,1,2,2-Tetrachloroethane	NV	5.2	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichloroethane	NV	10.7	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichlorotrifluoroethane	NV	3180	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethane	NV	820	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethene	NV	182	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichlorobenzene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichloropropane	NV	3.2	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trichlorobenzene	NV	651	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trimethylbenzene	NV	52.2	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromo-3-chloropropane	NV	3.64	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromoethane	NV	0.0714	ND	5		ND	5		ND	5		ND	5	
1,2-Dichlorobenzene	NV	116	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloroethane	NV	5.07	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloropropane	NV	10	ND	5		ND	5		ND	5		ND	5	
1,3,5-Trimethylbenzene	NV	22.3	ND	5		ND	5		ND	5		ND	5	
1,3-Dichlorobenzene	NV	70.4	ND	5		ND	5		ND	5		ND	5	
1,3-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,4-Dichlorobenzene	NV	36	ND	5		ND	5		ND	5		ND	5	
1-Chlorohexane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2,2-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Butanone (MEK)	NV	573	ND	100		ND	100		ND	100		ND	100	
2-Chloroethyl vinyl ether	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Chlorotoluene	NV	1560	ND	5		ND	5		ND	5		ND	5	
2-Hexanone	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Chlorotoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Methyl -2- Pentanone (MIBK)	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acetone	NV	70400	ND	50		ND	50		ND	50		ND	50	
Acetonitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acrolein	NV	0.184	ND	200		ND	200		ND	200		ND	200	
Acrylonitrile	NV	3.96	ND	5		ND	5		ND	5		ND	5	
Allyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Benzene	NV	27.0	ND	5		ND	5		ND	5		ND	5	
Benzyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromobenzene	NV	33.2	ND	5		ND	5		ND	5		ND	5	
Bromochloromethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromodichloromethane	NV	103	ND	5		ND	5		ND	5		ND	5	
Bromoform	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromomethane	NV	7.62	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB04-3			AOC2-SB04-9			AOC2-SB05-3			AOC2-SB05-3-a		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129884			129884			129954			129954		
Sample Collection Date			24-May-04			24-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Carbon Disulfide	NV	3760	ND	5		ND	5		ND	5		ND	5	
Carbon tetrachloride	NV	3.13	ND	5		ND	5		ND	5		ND	5	
Chlorobenzene	NV	176	ND	5		ND	5		ND	5		ND	5	
Chloroethane	NV	1380	ND	5		ND	5		ND	5		ND	5	
Chloroform	NV	3.56	ND	5		ND	5		ND	5		ND	5	
Chloromethane	NV	19.5	ND	5		ND	5		ND	5		ND	5	
Dibromochloromethane	NV	76.2	ND	5		ND	5		ND	5		ND	5	
Dibromomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Dichlorodifluoromethane	NV	144	ND	5		ND	5		ND	5		ND	5	
Ethyl benzene	NV	10600	ND	5		ND	5		ND	5		ND	5	
Ethyl methacrylate	NV	51.8	ND	5		ND	5		ND	5		ND	5	
Hexachlorobutadiene	NV	12	ND	5		ND	5		ND	5		ND	5	
Iodomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Isopropylbenzene (Cumene)	NV	700	ND	5		ND	5		ND	5		ND	5	
Methacrylonitrile	NV	3.61	ND	5		ND	5		ND	5		ND	5	
Methyl methacrylate	NV	2830	ND	5		ND	5		ND	5		ND	5	
Methyl-tert-butylether (MTBE)	NV	980	ND	5		ND	5		ND	5		ND	5	
Methylene chloride	NV	165	ND	5		ND	5		ND	5		ND	5	
Naphthalene	NV	71.9	ND	5		ND	5		ND	5		ND	5	
Pentachloroethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Propionitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Styrene	NV	419	ND	5		ND	5		ND	5		ND	5	
Tetrachloroethene	NV	9.83	ND	5		ND	5		ND	5		ND	5	
Toluene	NV	248	ND	5		ND	5		ND	5		ND	5	
Trichloroethene	NV	0.648	ND	5		ND	5		ND	5		ND	5	
Trichlorofluoromethane	NV	528	ND	5		ND	5		ND	5		ND	5	
Vinyl acetate	NV	953	ND	50		ND	50		ND	50		ND	50	
Vinyl chloride	NV	0.349	ND	5		ND	5		ND	5		ND	5	
Xylenes, total	NV	132	ND	5		ND	5		ND	5		ND	5	
cis-1,2-Dichloroethene	NV	782	ND	5		ND	5		ND	5		ND	5	
cis-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
cis-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	
m and p-Xylene	NV	204	ND	5		ND	5		ND	5		ND	5	
n-Butylbenzene	NV	62	ND	5		ND	5		ND	5		ND	5	
n-Propylbenzene	NV	53.2	ND	5		ND	5		ND	5		ND	5	
o-Xylene	NV	98.6	ND	5		ND	5		ND	5		ND	5	
p-Isopropyltoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
sec-Butylbenzene	NV	60.5	ND	5		ND	5		ND	5		ND	5	
tert-Butylbenzene	NV	106	ND	5		ND	5		ND	5		ND	5	
trans-1,2-Dichloroethene	NV	1560	ND	5		ND	5		ND	5		ND	5	
trans-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
trans-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB05-9			AOC2-SB05-9-a			AOC2-SB06-3			AOC2-SB06-6		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129954			129954			129955			129955		
Sample Collection Date			25-May-04			25-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,1,1,2-Tetrachloroethane	NV	39.3	ND	5		ND	5		ND	5		ND	5	
1,1,1-Trichloroethane	NV	551	ND	5		ND	5		ND	5		ND	5	
1,1,2,2-Tetrachloroethane	NV	5.2	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichloroethane	NV	10.7	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichlorotrifluoroethane	NV	3180	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethane	NV	820	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethene	NV	182	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichlorobenzene	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichloropropane	NV	3.2	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trichlorobenzene	NV	651	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trimethylbenzene	NV	52.2	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromo-3-chloropropane	NV	3.64	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromoethane	NV	0.0714	ND	5		ND	5		ND	5		ND	5	
1,2-Dichlorobenzene	NV	116	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloroethane	NV	5.07	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloropropane	NV	10	ND	5		ND	5		ND	5		ND	5	
1,3,5-Trimethylbenzene	NV	22.3	ND	5		ND	5		ND	5		ND	5	
1,3-Dichlorobenzene	NV	70.4	ND	5		ND	5		ND	5		ND	5	
1,3-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,4-Dichlorobenzene	NV	36	ND	5		ND	5		ND	5		ND	5	
1-Chlorohexane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2,2-Dichloropropane	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Butanone (MEK)	NV	573	ND	100		ND	100		ND	100		ND	100	
2-Chloroethyl vinyl ether	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Chlorotoluene	NV	1560	ND	5		ND	5		ND	5		ND	5	
2-Hexanone	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Chlorotoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Methyl -2- Pentanone (MIBK)	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acetone	NV	70400	ND	50		ND	50		ND	50		ND	50	
Acetonitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Acrolein	NV	0.184	ND	200		ND	200		ND	200		ND	200	
Acrylonitrile	NV	3.96	ND	5		ND	5		ND	5		ND	5	
Allyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Benzene	NV	27.0	ND	5		ND	5		ND	5		ND	5	
Benzyl chloride	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromobenzene	NV	33.2	ND	5		ND	5		ND	5		ND	5	
Bromochloromethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromodichloromethane	NV	103	ND	5		ND	5		ND	5		ND	5	
Bromoform	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromomethane	NV	7.62	ND	5		ND	5		ND	5		ND	5	

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Table 2. VOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB05-9			AOC2-SB05-9-a			AOC2-SB06-3			AOC2-SB06-6		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129954			129954			129955			129955		
Sample Collection Date			25-May-04			25-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Carbon Disulfide	NV	3760	ND	5		ND	5		ND	5		ND	5	
Carbon tetrachloride	NV	3.13	ND	5		ND	5		ND	5		ND	5	
Chlorobenzene	NV	176	ND	5		ND	5		ND	5		ND	5	
Chloroethane	NV	1380	ND	5		ND	5		ND	5		ND	5	
Chloroform	NV	3.56	ND	5		ND	5		ND	5		ND	5	
Chloromethane	NV	19.5	ND	5		ND	5		ND	5		ND	5	
Dibromochloromethane	NV	76.2	ND	5		ND	5		ND	5		ND	5	
Dibromomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Dichlorodifluoromethane	NV	144	ND	5		ND	5		ND	5		ND	5	
Ethyl benzene	NV	10600	ND	5		ND	5		ND	5		ND	5	
Ethyl methacrylate	NV	51.8	ND	5		ND	5		ND	5		ND	5	
Hexachlorobutadiene	NV	12	ND	5		ND	5		ND	5		ND	5	
Iodomethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Isopropylbenzene (Cumene)	NV	700	ND	5		ND	5		ND	5		ND	5	
Methacrylonitrile	NV	3.61	ND	5		ND	5		ND	5		ND	5	
Methyl methacrylate	NV	2830	ND	5		ND	5		ND	5		ND	5	
Methyl-tert-butylether (MTBE)	NV	980	ND	5		ND	5		ND	5		ND	5	
Methylene chloride	NV	165	ND	5		ND	5		ND	5		ND	5	
Naphthalene	NV	71.9	ND	5		ND	5		ND	5		ND	5	
Pentachloroethane	NV	NV	ND	5		ND	5		ND	5		ND	5	
Propionitrile	NV	NV	ND	5		ND	5		ND	5		ND	5	
Styrene	NV	419	ND	5		ND	5		ND	5		ND	5	
Tetrachloroethene	NV	9.83	ND	5		ND	5		ND	5		ND	5	
Toluene	NV	248	ND	5		ND	5		ND	5		ND	5	
Trichloroethene	NV	0.648	ND	5		ND	5		ND	5		ND	5	
Trichlorofluoromethane	NV	528	ND	5		ND	5		ND	5		ND	5	
Vinyl acetate	NV	953	ND	50		ND	50		ND	50		ND	50	
Vinyl chloride	NV	0.349	ND	5		ND	5		ND	5		ND	5	
Xylenes, total	NV	132	ND	5		ND	5		ND	5		ND	5	
cis-1,2-Dichloroethene	NV	782	ND	5		ND	5		ND	5		ND	5	
cis-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
cis-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	
m and p-Xylene	NV	204	ND	5		ND	5		ND	5		ND	5	
n-Butylbenzene	NV	62	ND	5		ND	5		ND	5		ND	5	
n-Propylbenzene	NV	53.2	ND	5		ND	5		ND	5		ND	5	
o-Xylene	NV	98.6	ND	5		ND	5		ND	5		ND	5	
p-Isopropyltoluene	NV	NV	ND	5		ND	5		ND	5		ND	5	
sec-Butylbenzene	NV	60.5	ND	5		ND	5		ND	5		ND	5	
tert-Butylbenzene	NV	106	ND	5		ND	5		ND	5		ND	5	
trans-1,2-Dichloroethene	NV	1560	ND	5		ND	5		ND	5		ND	5	
trans-1,3-Dichloropropene	NV	NV	ND	5		ND	5		ND	5		ND	5	
trans-1,4-Dichloro-2-butene	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB01-3 3'-3			AOC2-SB01-9 9'-9'			AOC2-SB01-3 2'-4'			AOC2-SB01-9 8'-10'		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129835			129835			129835			129835		
Sample Collection Date			20-May-04			20-May-04			20-May-04			20-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,2,4-Trichlorobenzene	NV	651	NA			NA			ND	333		ND	333	
1,2-Dichlorobenzene	NV	116	NA			NA			ND	333		ND	333	
1,3-Dichlorobenzene	NV	70.4	NA			NA			ND	333		ND	333	
1,4-Dichlorobenzene	NV	36	NA			NA			ND	333		ND	333	
2,4,5-Trichlorophenol	NV	6000	NA			NA			ND	1665		ND	1665	
2,4,6-Trichlorophenol	NV	6	NA			NA			ND	1665		ND	1665	
2,4-Dichlorophenol	NV	180	NA			NA			ND	333		ND	333	
2,4-Dimethylphenol	NV	1200	NA			NA			ND	333		ND	333	
2,4-Dinitrophenol	NV	NV	NA			NA			ND	1665		ND	1665	
2,4-Dinitrotoluene	NV	120	NA			NA			ND	333		ND	333	
2,6-Dinitrotoluene	NV	NV	NA			NA			ND	333		ND	333	
2-Chloronaphthalene	NV	6260	NA			NA			ND	333		ND	333	
2-Chlorophenol	NV	391	NA			NA			ND	333		ND	333	
2-Methylnaphthalene	NV	NV	NA			NA			ND	333		ND	333	
2-Methylphenol	NV	NV	NA			NA			ND	333		ND	333	
2-Nitroaniline	NV	NV	NA			NA			ND	1665		ND	1665	
2-Nitrophenol	NV	NV	NA			NA			ND	333		ND	333	
3,3-Dichlorobenzidine	NV	10.8	NA			NA			ND	333		ND	333	
3-Methylphenol	NV	NV	NA			NA			ND	333		ND	333	
3-Nitroaniline	NV	NV	NA			NA			ND	1665		ND	1665	
4,6-Dinitro-2-methylphenol	NV	NV	NA			NA			ND	1665		ND	1665	
4-Bromophenyl-phenylether	NV	NV	NA			NA			ND	333		ND	333	
4-Chloro-3-methylphenol	NV	NV	NA			NA			ND	333		ND	333	
4-Chloroaniline	NV	NV	NA			NA			ND	333		ND	333	
4-Chlorophenyl-phenylether	NV	NV	NA			NA			ND	333		ND	333	
4-Methylphenol	NV	NV	NA			NA			ND	333		ND	333	
4-Nitroaniline	NV	NV	NA			NA			ND	1665		ND	1665	
4-Nitrophenol	NV	NV	NA			NA			ND	1665		ND	1665	
Acenaphthene	NV	4690	NA			NA			ND	333		ND	333	
Acenaphthylene	NV	NV	NA			NA			ND	333		ND	333	
Anthracene	NV	23500	NA			NA			ND	333		ND	333	
Benzidine	NV	0.0211	NA			NA			ND	333		ND	333	
Benzo(a)anthracene	NV	6.21	NA			NA			ND	333		ND	333	
Benzo(a)pyrene	NV	0.621	NA			NA			ND	333		ND	333	
Benzo(b)fluoranthene	NV	6.21	NA			NA			ND	333		ND	333	
Benzo(g,h,i)perylene	NV	NV	NA			NA			ND	333		ND	333	
Benzo(k)fluoranthene	NV	62.1	NA			NA			ND	333		ND	333	
Benzoic Acid	NV	NV	NA			NA			ND	333		ND	333	
Benzyl alcohol	NV	NV	NA			NA			ND	333		ND	333	
Butylbenzylphthalate	NV	NV	NA			NA			ND	333		ND	333	
Chrysene	NV	621	NA			NA			ND	333		ND	333	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier;
BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB01-3 3'-3			AOC2-SB01-9 9'-9'			AOC2-SB01-3 2'-4'			AOC2-SB01-9 8'-10'		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129835			129835			129835			129835		
Sample Collection Date			20-May-04			20-May-04			20-May-04			20-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Di-n-butylphthalate	NV	6000	NA			NA			ND	333		ND	333	
Di-n-octylphthalate	NV	NV	NA			NA			ND	333		ND	333	
Dibenz(a,h)anthracene	NV	0.621	NA			NA			ND	333		ND	333	
Dibenzofuran	NV	313	NA			NA			ND	333		ND	333	
Diethylphthalate	NV	48000	NA			NA			ND	333		ND	333	
Dimethylphthalate	NV	100000	NA			NA			ND	333		ND	333	
Fluoranthene	NV	2250	NA			NA			ND	333		ND	333	
Fluorene	NV	3130	NA			NA			ND	333		ND	333	
Hexachlorobenzene	NV	3.04	NA			NA			ND	333		ND	333	
Hexachlorobutadiene	NV	12	NA			NA			ND	333		ND	333	
Hexachlorocyclopentadiene	NV	125	NA			NA			ND	333		ND	333	
Hexachloroethane	NV	60	NA			NA			ND	333		ND	333	
Indeno(1,2,3-c.d)pyrene	NV	6.21	NA			NA			ND	333		ND	333	
Isophorone	NV	5120	NA			NA			ND	333		ND	333	
N-Nitroso-di-n-propylamine	NV	NV	NA			NA			ND	333		ND	333	
N-Nitrosodiphenylamine	NV	993	NA			NA			ND	333		ND	333	
Naphthalene	NV	71.9	NA			NA			ND	333		ND	333	
Nitrobenzene	NV	21.8	NA			NA			ND	333		ND	333	
Pentachlorophenol	NV	29.8	NA			NA			ND	1665		ND	1665	
Phenanthrene	NV	1800	NA			NA			ND	333		ND	333	
Phenol	NV	18000	NA			NA			ND	333		ND	333	
Pyrene	NV	2300	NA			NA			ND	333		ND	333	
bis(2-Chloroethoxy)methane	NV	NV	NA			NA			ND	333		ND	333	
bis(2-Chloroethyl)ether	NV	2.04	NA			NA			ND	333		ND	333	
bis(2-Chloroisopropyl) ether	NV	3130	NA			NA			ND	333		ND	333	
bis(2-Ethylhexyl)phthalate	NV	347	NA			NA			ND	333		ND	333	

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Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB02-3			AOC2-SB02-9			AOC2-SB03-3			AOC2-SB03-9		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129834			129834			129829			129829		
Sample Collection Date			21-May-04			21-May-04			21-May-04			21-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,2,4-Trichlorobenzene	NV	651	ND	333		ND	333		ND	333		ND	333	
1,2-Dichlorobenzene	NV	116	ND	333		ND	333		ND	333		ND	333	
1,3-Dichlorobenzene	NV	70.4	ND	333		ND	333		ND	333		ND	333	
1,4-Dichlorobenzene	NV	36	ND	333		ND	333		ND	333		ND	333	
2,4,5-Trichlorophenol	NV	6000	ND	1665		ND	1665		ND	1665		ND	1665	
2,4,6-Trichlorophenol	NV	6	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dichlorophenol	NV	180	ND	333		ND	333		ND	333		ND	333	
2,4-Dimethylphenol	NV	1200	ND	333		ND	333		ND	333		ND	333	
2,4-Dinitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dinitrotoluene	NV	120	ND	333		ND	333		ND	333		ND	333	
2,6-Dinitrotoluene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Chloronaphthalene	NV	6260	ND	333		ND	333		ND	333		ND	333	
2-Chlorophenol	NV	391	ND	333		ND	333		ND	333		ND	333	
2-Methylnaphthalene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2-Nitrophenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3,3-Dichlorobenzidine	NV	10.8	ND	333		ND	333		ND	333		ND	333	
3-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4,6-Dinitro-2-methylphenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Bromophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloro-3-methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloroaniline	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chlorophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Nitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
Acenaphthene	NV	4690	ND	333		ND	333		ND	333		ND	333	
Acenaphthylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Anthracene	NV	23500	ND	333		ND	333		ND	333		ND	333	
Benzidine	NV	0.0211	ND	333		ND	333		ND	333		ND	333	
Benzo(a)anthracene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(a)pyrene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Benzo(b)fluoranthene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(g,h,i)perylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzo(k)fluoranthene	NV	62.1	ND	333		ND	333		ND	333		ND	333	
Benzoic Acid	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzyl alcohol	NV	NV	ND	333		ND	333		ND	333		ND	333	
Butylbenzylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Chrysene	NV	621	ND	333		ND	333		ND	333		ND	333	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier;
BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB02-3			AOC2-SB02-9			AOC2-SB03-3			AOC2-SB03-9		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129834			129834			129829			129829		
Sample Collection Date			21-May-04			21-May-04			21-May-04			21-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Di-n-butylphthalate	NV	6000	ND	333		ND	333		ND	333		ND	333	
Di-n-octylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Dibenz(a,h)anthracene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Dibenzofuran	NV	313	ND	333		ND	333		ND	333		ND	333	
Diethylphthalate	NV	48000	ND	333		ND	333		ND	333		ND	333	
Dimethylphthalate	NV	100000	ND	333		ND	333		ND	333		ND	333	
Fluoranthene	NV	2250	ND	333		ND	333		ND	333		ND	333	
Fluorene	NV	3130	ND	333		ND	333		ND	333		ND	333	
Hexachlorobenzene	NV	3.04	ND	333		ND	333		ND	333		ND	333	
Hexachlorobutadiene	NV	12	ND	333		ND	333		ND	333		ND	333	
Hexachlorocyclopentadiene	NV	125	ND	333		ND	333		ND	333		ND	333	
Hexachloroethane	NV	60	ND	333		ND	333		ND	333		ND	333	
Indeno(1,2,3-c,d)pyrene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Isophorone	NV	5120	ND	333		ND	333		ND	333		ND	333	
N-Nitroso-di-n-propylamine	NV	NV	ND	333		ND	333		ND	333		ND	333	
N-Nitrosodiphenylamine	NV	993	ND	333		ND	333		ND	333		ND	333	
Naphthalene	NV	71.9	ND	333		ND	333		ND	333		ND	333	
Nitrobenzene	NV	21.8	ND	333		ND	333		ND	333		ND	333	
Pentachlorophenol	NV	29.8	ND	1665		ND	1665		ND	1665		ND	1665	
Phenanthrene	NV	1800	ND	333		ND	333		ND	333		ND	333	
Phenol	NV	18000	ND	333		ND	333		ND	333		ND	333	
Pyrene	NV	2300	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethoxy)methane	NV	NV	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethyl)ether	NV	2.04	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroisopropyl) ether	NV	3130	ND	333		ND	333		ND	333		ND	333	
bis(2-Ethylhexyl)phthalate	NV	347	ND	333		ND	333		ND	333		ND	333	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier;
BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB04-3			AOC2-SB04-9			AOC2-SB05-3			AOC2-SB05-3-a		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129884			129884			129954			129954		
Sample Collection Date			24-May-04			24-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,2,4-Trichlorobenzene	NV	651	ND	333		ND	333		ND	333		ND	333	
1,2-Dichlorobenzene	NV	116	ND	333		ND	333		ND	333		ND	333	
1,3-Dichlorobenzene	NV	70.4	ND	333		ND	333		ND	333		ND	333	
1,4-Dichlorobenzene	NV	36	ND	333		ND	333		ND	333		ND	333	
2,4,5-Trichlorophenol	NV	6000	ND	1665		ND	1665		ND	1665		ND	1665	
2,4,6-Trichlorophenol	NV	6	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dichlorophenol	NV	180	ND	333		ND	333		ND	333		ND	333	
2,4-Dimethylphenol	NV	1200	ND	333		ND	333		ND	333		ND	333	
2,4-Dinitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dinitrotoluene	NV	120	ND	333		ND	333		ND	333		ND	333	
2,6-Dinitrotoluene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Chloronaphthalene	NV	6260	ND	333		ND	333		ND	333		ND	333	
2-Chlorophenol	NV	391	ND	333		ND	333		ND	333		ND	333	
2-Methylnaphthalene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2-Nitrophenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3,3-Dichlorobenzidine	NV	10.8	ND	333		ND	333		ND	333		ND	333	
3-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4,6-Dinitro-2-methylphenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Bromophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloro-3-methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloroaniline	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chlorophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Nitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
Acenaphthene	NV	4690	ND	333		ND	333		ND	333		ND	333	
Acenaphthylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Anthracene	NV	23500	ND	333		ND	333		ND	333		ND	333	
Benzidine	NV	0.0211	ND	333		ND	333		ND	333		ND	333	
Benzo(a)anthracene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(a)pyrene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Benzo(b)fluoranthene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(g,h,i)perylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzo(k)fluoranthene	NV	62.1	ND	333		ND	333		ND	333		ND	333	
Benzoic Acid	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzyl alcohol	NV	NV	ND	333		ND	333		ND	333		ND	333	
Butylbenzylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Chrysene	NV	621	ND	333		ND	333		ND	333		ND	333	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier;
BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB04-3			AOC2-SB04-9			AOC2-SB05-3			AOC2-SB05-3-a		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129884			129884			129954			129954		
Sample Collection Date			24-May-04			24-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Di-n-butylphthalate	NV	6000	ND	333		ND	333		ND	333		ND	333	
Di-n-octylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Dibenz(a,h)anthracene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Dibenzofuran	NV	313	ND	333		ND	333		ND	333		ND	333	
Diethylphthalate	NV	48000	ND	333		ND	333		ND	333		ND	333	
Dimethylphthalate	NV	100000	ND	333		ND	333		ND	333		ND	333	
Fluoranthene	NV	2250	ND	333		ND	333		ND	333		ND	333	
Fluorene	NV	3130	ND	333		ND	333		ND	333		ND	333	
Hexachlorobenzene	NV	3.04	ND	333		ND	333		ND	333		ND	333	
Hexachlorobutadiene	NV	12	ND	333		ND	333		ND	333		ND	333	
Hexachlorocyclopentadiene	NV	125	ND	333		ND	333		ND	333		ND	333	
Hexachloroethane	NV	60	ND	333		ND	333		ND	333		ND	333	
Indeno(1,2,3-c,d)pyrene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Isophorone	NV	5120	ND	333		ND	333		ND	333		ND	333	
N-Nitroso-di-n-propylamine	NV	NV	ND	333		ND	333		ND	333		ND	333	
N-Nitrosodiphenylamine	NV	993	ND	333		ND	333		ND	333		ND	333	
Naphthalene	NV	71.9	ND	333		ND	333		ND	333		ND	333	
Nitrobenzene	NV	21.8	ND	333		ND	333		ND	333		ND	333	
Pentachlorophenol	NV	29.8	ND	1665		ND	1665		ND	1665		ND	1665	
Phenanthrene	NV	1800	ND	333		ND	333		ND	333		ND	333	
Phenol	NV	18000	ND	333		ND	333		ND	333		ND	333	
Pyrene	NV	2300	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethoxy)methane	NV	NV	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethyl)ether	NV	2.04	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroisopropyl) ether	NV	3130	ND	333		ND	333		ND	333		ND	333	
bis(2-Ethylhexyl)phthalate	NV	347	ND	333		ND	333		ND	333		ND	333	

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Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB05-9			AOC2-SB05-9-a			AOC2-SB06-3			AOC2-SB06-6		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129954			129954			129955			129955		
Sample Collection Date			25-May-04			25-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
1,2,4-Trichlorobenzene	NV	651	ND	333		ND	333		ND	333		ND	333	
1,2-Dichlorobenzene	NV	116	ND	333		ND	333		ND	333		ND	333	
1,3-Dichlorobenzene	NV	70.4	ND	333		ND	333		ND	333		ND	333	
1,4-Dichlorobenzene	NV	36	ND	333		ND	333		ND	333		ND	333	
2,4,5-Trichlorophenol	NV	6000	ND	1665		ND	1665		ND	1665		ND	1665	
2,4,6-Trichlorophenol	NV	6	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dichlorophenol	NV	180	ND	333		ND	333		ND	333		ND	333	
2,4-Dimethylphenol	NV	1200	ND	333		ND	333		ND	333		ND	333	
2,4-Dinitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2,4-Dinitrotoluene	NV	120	ND	333		ND	333		ND	333		ND	333	
2,6-Dinitrotoluene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Chloronaphthalene	NV	6260	ND	333		ND	333		ND	333		ND	333	
2-Chlorophenol	NV	391	ND	333		ND	333		ND	333		ND	333	
2-Methylnaphthalene	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
2-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
2-Nitrophenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3,3-Dichlorobenzidine	NV	10.8	ND	333		ND	333		ND	333		ND	333	
3-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
3-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4,6-Dinitro-2-methylphenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Bromophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloro-3-methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chloroaniline	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Chlorophenyl-phenylether	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Methylphenol	NV	NV	ND	333		ND	333		ND	333		ND	333	
4-Nitroaniline	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
4-Nitrophenol	NV	NV	ND	1665		ND	1665		ND	1665		ND	1665	
Acenaphthene	NV	4690	ND	333		ND	333		ND	333		ND	333	
Acenaphthylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Anthracene	NV	23500	ND	333		ND	333		ND	333		ND	333	
Benzidine	NV	0.0211	ND	333		ND	333		ND	333		ND	333	
Benzo(a)anthracene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(a)pyrene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Benzo(b)fluoranthene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Benzo(g,h,i)perylene	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzo(k)fluoranthene	NV	62.1	ND	333		ND	333		ND	333		ND	333	
Benzoic Acid	NV	NV	ND	333		ND	333		ND	333		ND	333	
Benzyl alcohol	NV	NV	ND	333		ND	333		ND	333		ND	333	
Butylbenzylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Chrysene	NV	621	ND	333		ND	333		ND	333		ND	333	

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BOLD = Above screening limit

Table 3. SVOC Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB05-9			AOC2-SB05-9-a			AOC2-SB06-3			AOC2-SB06-6		
Sample Delivery Group Number	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129954			129954			129955			129955		
Sample Collection Date			25-May-04			25-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds			µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	
Di-n-butylphthalate	NV	6000	ND	333		ND	333		ND	333		ND	333	
Di-n-octylphthalate	NV	NV	ND	333		ND	333		ND	333		ND	333	
Dibenz(a,h)anthracene	NV	0.621	ND	333		ND	333		ND	333		ND	333	
Dibenzofuran	NV	313	ND	333		ND	333		ND	333		ND	333	
Diethylphthalate	NV	48000	ND	333		ND	333		ND	333		ND	333	
Dimethylphthalate	NV	100000	ND	333		ND	333		ND	333		ND	333	
Fluoranthene	NV	2250	ND	333		ND	333		ND	333		ND	333	
Fluorene	NV	3130	ND	333		ND	333		ND	333		ND	333	
Hexachlorobenzene	NV	3.04	ND	333		ND	333		ND	333		ND	333	
Hexachlorobutadiene	NV	12	ND	333		ND	333		ND	333		ND	333	
Hexachlorocyclopentadiene	NV	125	ND	333		ND	333		ND	333		ND	333	
Hexachloroethane	NV	60	ND	333		ND	333		ND	333		ND	333	
Indeno(1,2,3-c,d)pyrene	NV	6.21	ND	333		ND	333		ND	333		ND	333	
Isophorone	NV	5120	ND	333		ND	333		ND	333		ND	333	
N-Nitroso-di-n-propylamine	NV	NV	ND	333		ND	333		ND	333		ND	333	
N-Nitrosodiphenylamine	NV	993	ND	333		ND	333		ND	333		ND	333	
Naphthalene	NV	71.9	ND	333		ND	333		ND	333		ND	333	
Nitrobenzene	NV	21.8	ND	333		ND	333		ND	333		ND	333	
Pentachlorophenol	NV	29.8	ND	1665		ND	1665		ND	1665		ND	1665	
Phenanthrene	NV	1800	ND	333		ND	333		ND	333		ND	333	
Phenol	NV	18000	ND	333		ND	333		ND	333		ND	333	
Pyrene	NV	2300	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethoxy)methane	NV	NV	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroethyl)ether	NV	2.04	ND	333		ND	333		ND	333		ND	333	
bis(2-Chloroisopropyl) ether	NV	3130	ND	333		ND	333		ND	333		ND	333	
bis(2-Ethylhexyl)phthalate	NV	347	ND	333		ND	333		ND	333		ND	333	

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BOLD = Above screening limit

Table 4. PCBs, Herbicides, Metals, and TPH Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB01-3 3'-3			AOC2-SB01-9 9'-9'			AOC2-SB01-3 2'-4'			AOC2-SB01-9 8'-10'		
Sample Delivery Group No.	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129835			129835			129835			129835		
Sample Collection Date			20-May-04			20-May-04			20-May-04			20-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
PCB-1016	NV	2.22	NA			NA			ND	0.03		ND	0.03	
PCB-1221	NV	2.22	NA			NA			ND	0.06		ND	0.06	
PCB-1232	NV	2.22	NA			NA			ND	0.05		ND	0.05	
PCB-1242	NV	2.22	NA			NA			ND	0.05		ND	0.05	
PCB-1248	NV	2.22	NA			NA			ND	0.08		ND	0.08	
PCB-1254	NV	1.11	NA			NA			ND	0.03		ND	0.03	
PCB-1260	NV	2.22	NA			NA			ND	0.03		ND	0.03	
Herbicides			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
2,4,5-T	NV	NV	NA			NA			ND	0.13		ND	0.13	
2,4,5-TP (Silvex)	NV	NV	NA			NA			ND	0.11		ND	0.11	
2,4-D	NV	NV	NA			NA			ND	0.80		ND	0.80	
2,4-DB	NV	NV	NA			NA			ND	0.61		ND	0.61	
Dalapon	NV	NV	NA			NA			ND	3.89		ND	3.89	
Dicamba	NV	NV	NA			NA			ND	0.18		ND	0.18	
Dichloroprop	NV	NV	NA			NA			ND	0.44		ND	0.44	
Dinoseb	NV	NV	NA			NA			ND	0.05		ND	0.05	
MCPA	NV	NV	NA			NA			ND	167		ND	167	
MCPP	NV	NV	NA			NA			ND	129		ND	129	
Metals			mg/kg			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
Arsenic	6.88	3.9	NA			NA			3.52	1.00		3.22	1.00	
Barium	84.36	5450	NA			NA			13.6	1.00		30.1	1.00	
Cadmium	1.04	74.1	NA			NA			ND	0.50		ND	0.50	
Chromium	6.60	234	NA			NA			1.44	1.00		4.13	1.00	
Lead	-	400	NA			NA			ND	0.50		0.64	0.50	
Selenium	10.53	391	NA			NA			ND	1.00		ND	1.00	
Silver	0.73	391	NA			NA			ND	0.50		ND	0.50	
Mercury	-	23.5	NA			NA			ND	0.14		ND	0.14	
Total Petroleum Hydrocarbons			mg/kg			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
C06 - C10	NV	NV	NA			NA			ND	3		ND	3	
C10 - C22	NV	NV	NA			NA			ND	3		ND	3	
C22 - C36	NV	NV	NA			NA			ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 4. PCBs, Herbicides, Metals, and TPH Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB02-3			AOC2-SB02-9			AOC2-SB03-3			AOC2-SB03-9		
Sample Delivery Group No.	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129834			129834			129829			129829		
Sample Collection Date			21-May-04			21-May-04			21-May-04			21-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
PCB-1016	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1221	NV	2.22	ND	0.06		ND	0.06		ND	0.06		ND	0.06	
PCB-1232	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1242	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1248	NV	2.22	ND	0.08		ND	0.08		ND	0.08		ND	0.08	
PCB-1254	NV	1.11	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1260	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
Herbicides			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
2,4,5-T	NV	NV	ND	0.13		ND	0.13		ND	0.13		ND	0.13	
2,4,5-TP (Silvex)	NV	NV	ND	0.11		ND	0.11		ND	0.11		ND	0.11	
2,4-D	NV	NV	ND	0.80		ND	0.80		ND	0.80		ND	0.80	
2,4-DB	NV	NV	ND	0.61		ND	0.61		ND	0.61		ND	0.61	
Dalapon	NV	NV	ND	3.89		ND	3.89		ND	3.89		ND	3.89	
Dicamba	NV	NV	ND	0.18		ND	0.18		ND	0.18		ND	0.18	
Dichloroprop	NV	NV	ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Dinoseb	NV	NV	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
MCPA	NV	NV	ND	167		ND	167		ND	167		ND	167	
MCPP	NV	NV	ND	129		ND	129		ND	129		ND	129	
Metals			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
Arsenic	6.88	3.9	0.61	5.0		0.78	5.0		**4.12**	1.0		3.45	1.0	
Barium	84.36	5450	23.6	5.0		13.6	5.0		22.8	1.0		17.6	1.0	
Cadmium	1.04	74.1	ND	5.0		ND	5.0		ND	0.5		0.063	0.5	
Chromium	6.60	234	5.42	5.0		1.24	5.0		1.99	1.0		3.03	1.0	
Lead	-	400	1.77	5.0		0.53	5.0		ND	0.5		ND	0.5	
Selenium	10.53	391	ND	5.0		ND	5.0		ND	1.0		ND	1.0	
Silver	0.73	391	ND	5.0		ND	5.0		0.702	0.5		ND	0.5	
Mercury	-	23.5	ND	0.14		ND	0.14		ND	0.14		ND	0.14	
Total Petroleum Hydrocarbons			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
C06 - C10	NV	NV	ND	3		ND	3		ND	3		ND	3	
C10 - C22	NV	NV	ND	3		ND	3		ND	3		ND	3	
C22 - C36	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 4. PCBs, Herbicides, Metals, and TPH Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB04-3			AOC2-SB04-9			AOC2-SB05-3			AOC2-SB05-3-a		
Sample Delivery Group No.	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129884			129884			129954			129954		
Sample Collection Date			24-May-04			24-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
PCB-1016	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1221	NV	2.22	ND	0.06		ND	0.06		ND	0.06		ND	0.06	
PCB-1232	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1242	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1248	NV	2.22	ND	0.08		ND	0.08		ND	0.08		ND	0.08	
PCB-1254	NV	1.11	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1260	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
Herbicides			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
2,4,5-T	NV	NV	ND	0.13		ND	0.13		ND	0.13		ND	0.13	
2,4,5-TP (Silvex)	NV	NV	ND	0.11		ND	0.11		ND	0.11		ND	0.11	
2,4-D	NV	NV	ND	0.80		ND	0.80		ND	0.80		ND	0.80	
2,4-DB	NV	NV	ND	0.61		ND	0.61		ND	0.61		ND	0.61	
Dalapon	NV	NV	ND	3.89		ND	3.89		ND	3.89		ND	3.89	
Dicamba	NV	NV	ND	0.18		ND	0.18		ND	0.18		ND	0.18	
Dichloroprop	NV	NV	ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Dinoseb	NV	NV	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
MCPA	NV	NV	ND	167		ND	167		ND	167		ND	167	
MCPP	NV	NV	ND	129		ND	129		ND	129		ND	129	
Metals			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
Arsenic	6.88	3.9	**4.91**	1.0		3.50	1.0		1.04	5.0		1.06	5.0	
Barium	84.36	5450	26.1	1.0		36.3	1.0		26.7	5.0		23.5	5.0	
Cadmium	1.04	74.1	ND	0.5		ND	0.5		ND	5.0		ND	5.0	
Chromium	6.60	234	2.04	1.0		5.69	1.0		2.24	5.0		2.18	5.0	
Lead	-	400	ND	0.5		0.428	0.5		1.24	5.0		1.08	5.0	
Selenium	10.53	391	ND	1.0		ND	1.0		ND	5.0		ND	5.0	
Silver	0.73	391	**0.860**	0.5		**1.60**	0.5		ND	5.0		ND	5.0	
Mercury	-	23.5	ND	0.14		ND	0.14		ND	0.14		ND	0.14	
Total Petroleum Hydrocarbons			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
C06 - C10	NV	NV	ND	3		ND	3		ND	3		ND	3	
C10 - C22	NV	NV	ND	3		ND	3		ND	3		ND	3	
C22 - C36	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 4. PCBs, Herbicides, Metals, and TPH Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Soil Screening Levels		AOC2-SB05-9			AOC2-SB05-9-a			AOC2-SB06-3			AOC2-SB06-6		
Sample Delivery Group No.	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	129954			129954			129955			129955		
Sample Collection Date			25-May-04			25-May-04			25-May-04			25-May-04		
Analyte			Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
PCB-1016	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1221	NV	2.22	ND	0.06		ND	0.06		ND	0.06		ND	0.06	
PCB-1232	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1242	NV	2.22	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
PCB-1248	NV	2.22	ND	0.08		ND	0.08		ND	0.08		ND	0.08	
PCB-1254	NV	1.11	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
PCB-1260	NV	2.22	ND	0.03		ND	0.03		ND	0.03		ND	0.03	
Herbicides			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
2,4,5-T	NV	NV	ND	0.13		ND	0.13		ND	0.13		ND	0.13	
2,4,5-TP (Silvex)	NV	NV	ND	0.11		ND	0.11		ND	0.11		ND	0.11	
2,4-D	NV	NV	ND	0.80		ND	0.80		ND	0.80		ND	0.80	
2,4-DB	NV	NV	ND	0.61		ND	0.61		ND	0.61		ND	0.61	
Dalapon	NV	NV	ND	3.89		ND	3.89		ND	3.89		ND	3.89	
Dicamba	NV	NV	ND	0.18		ND	0.18		ND	0.18		ND	0.18	
Dichloroprop	NV	NV	ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Dinoseb	NV	NV	ND	0.05		ND	0.05		ND	0.05		ND	0.05	
MCPA	NV	NV	ND	167		ND	167		ND	167		ND	167	
MCPP	NV	NV	ND	129		ND	129		ND	129		ND	129	
Metals			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
Arsenic	6.88	3.9	1.31	5.0		1.20	5.0		1.11	5.0		1.84	5.0	
Barium	84.36	5450	32.8	5.0		28.7	5.0		17.2	5.0		19.2	5.0	
Cadmium	1.04	74.1	ND	5.0		ND	5.0		ND	5.0		ND	5.0	
Chromium	6.60	234	3.99	5.0		3.30	5.0		1.83	5.0		2.34	5.0	
Lead	-	400	1.89	5.0		1.54	5.0		ND	5.0		1.30	5.0	
Selenium	10.53	391	ND	5.0		ND	5.0		ND	5.0		ND	5.0	
Silver	0.73	391	ND	5.0		ND	5.0		ND	5.0		ND	5.0	
Mercury	-	23.5	ND	0.14		ND	0.14		ND	0.14		ND	0.14	
Total Petroleum Hydrocarbons			mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg	
C06 - C10	NV	NV	ND	3		ND	3		ND	3		ND	3	
C10 - C22	NV	NV	ND	3		ND	3		ND	3		ND	3	
C22 - C36	NV	NV	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; BOLD = Above screening limit

Table 5. Pesticides Soil Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample ID Number	Soil Screening Levels		AOC-a-5.0			AOC-b-5.0		
Sample Delivery Group No.	Basewide UTL (mg/kg)	NMED Residential (mg/kg)	F34496			F34496		
Sample Collection Date			31-Aug-05			31-Aug-05		
Analyte			Result	RL	Q	Result	RL	Q
Pesticides			µg/kg	µg/kg		µg/kg	µg/kg	
Aldrin	NV	0.284	ND	2.0		ND	2.1	
alpha-BHC	NV	0.902	ND	2.0		ND	2.1	
beta-BHC	NV	3.16	ND	2.0		ND	2.1	
delta-BHC	NV	NV	ND	2.0		ND	2.1	
gamma-BHC (Lindane)	NV	4.37	ND	2.0		ND	2.1	
alpha-Chlorodane	NV	16.2	ND	2.0		ND	2.1	
gamma-Chlorodane	NV	16.2	ND	2.0		ND	2.1	
Dieldrin	NV	0.304	ND	2.0		ND	2.1	
4,4'- DDD	NV	24.4	ND	4.0		ND	4.2	
4,4'- DDE	NV	17.2	ND	4.0		ND	4.2	
4,4'- DDT	NV	17.2	ND	4.0		ND	4.2	
Endrin	NV	18	ND	4.0		ND	4.2	
Endosulfan sulfate	NV	360	ND	4.0		ND	4.2	
Endrin aldehyde	NV	NV	ND	4.0		ND	4.2	
Endrin ketone	NV	NV	ND	4.0		ND	4.2	
Endosulfan-I	NV	NV	ND	2.0		ND	2.1	
Endosulfan-II	NV	NV	ND	4.0		ND	4.2	
Heptachlor	NV	1.08	ND	2.0		ND	2.1	
Heptachlor epoxide	NV	NV	ND	2.0		ND	2.1	
Methoxychlor	NV	NV	ND	4.0		ND	4.2	
Toxaphene	NV	4.42	ND	200		ND	210	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/kg = milligrams per kilogram; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated; BOLD = Above screening limit

Table 6. VOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW05			AOC2-MW06			AOC2-MW02			AOC2-MW04		
Sample Delivery Group Number					131426			131427			131428			131439		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
1,1,1,2-Tetrachloroethane	NV	NV	NV	0.43	ND	5		ND	5		ND	5		ND	5	
1,1,1-Trichloroethane	NV	60	200	840	ND	5		ND	5		ND	5		ND	5	
1,1,2,2-Tetrachloroethane	NV	20	NV	0.055	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichloroethane	NV	10	5	0.2	ND	5		ND	5		ND	5		ND	5	
1,1,2-Trichlorotrifluoroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethane	NV	25	NV	810	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloroethene	NV	5	7	3400	ND	5		ND	5		ND	5		ND	5	
1,1-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichlorobenzene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,2,3-Trichloropropane	NV	NV	NV	0.0016	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trichlorobenzene	NV	NV	70	8.2	ND	5		ND	5		ND	5		ND	5	
1,2,4-Trimethylbenzene	NV	NV	NV	12	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromo-3-chloropropane	NV	NV	0.2	0.048	ND	5		ND	5		ND	5		ND	5	
1,2-Dibromoethane	NV	NV	NV	0.0056	ND	5		ND	5		ND	5		ND	5	
1,2-Dichlorobenzene	NV	NV	600	49	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloroethane	NV	10	5	0.12	ND	5		ND	5		ND	5		ND	5	
1,2-Dichloropropane	NV	NV	5	0.16	ND	5		ND	5		ND	5		ND	5	
1,3,5-Trimethylbenzene	NV	NV	NV	12	ND	5		ND	5		ND	5		ND	5	
1,3-Dichlorobenzene	NV	NV	NV	16	ND	5		ND	5		ND	5		ND	5	
1,3-Dichloropropane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
1,4-Dichlorobenzene	NV	NV	75	0.47	ND	5		ND	5		ND	5		ND	5	
1-Chlorohexane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
2,2-Dichloropropane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Butanone (MEK)	NV	NV	NV	7100	ND	100		ND	100		ND	100		ND	100	
2-Chloroethyl vinyl ether	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
2-Chlorotoluene	NV	NV	NV	120	ND	5		ND	5		ND	5		ND	5	
2-Hexanone	NV	NV	NV	NV	ND	20		ND	20		ND	20		ND	20	
4-Chlorotoluene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
4-Methyl -2- Pentanone (MIBK)	NV	NV	NV	2000	ND	10		ND	10		ND	10		ND	10	
Acetone	NV	NV	NV	33000	ND	100		ND	100		ND	100		ND	100	
Acetonitrile	NV	NV	NV	NV	ND	50		ND	50		ND	50		ND	50	
Acrolein	NV	NV	NV	0.042	ND	200		ND	200		ND	200		ND	200	
Acrylonitrile	NV	NV	NV	0.039	ND	10		ND	10		ND	10		ND	10	
Allyl chloride	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Benzene	NV	10	5	0.35	ND	1		ND	1		ND	1		ND	1	
Benzyl chloride	NV	NV	NV	0.066	ND	5		ND	5		ND	5		ND	5	
Bromobenzene	NV	NV	NV	23	ND	5		ND	5		ND	5		ND	5	
Bromochloromethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Bromodichloromethane	NV	NV	NV	0.18	ND	5		ND	5		ND	5		ND	5	
Bromoform	NV	NV	NV	8.5	ND	5		ND	5		ND	5		ND	5	
Bromomethane	NV	NV	NV	8.7	ND	5		ND	5		ND	5		ND	5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 6. VOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW05			AOC2-MW06			AOC2-MW02			AOC2-MW04		
Sample Delivery Group Number					131426			131427			131428			131439		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
Carbon Disulfide	NV	NV	NV	1000	ND	5		ND	5		ND	5		ND	5	
Carbon tetrachloride	NV	10	5	0.17	ND	5		ND	5		ND	5		ND	5	
Chlorobenzene	NV	NV	100	110	ND	5		ND	5		ND	5		ND	5	
Chloroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Chloroform	NV	100	NV	75	ND	5		ND	5		ND	5		ND	5	
Chloromethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Dibromochloromethane	NV	NV	NV	0.13	ND	5		ND	5		ND	5		ND	5	
Dibromomethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Dichlorodifluoromethane	NV	NV	NV	390	ND	5		ND	5		ND	5		ND	5	
Ethyl benzene	NV	750	700	1,300	ND	5		ND	5		ND	5		ND	5	
Ethyl methacrylate	NV	NV	NV	550	ND	50		ND	50		ND	50		ND	50	
Hexachlorobutadiene	NV	NV	NV	0.86	ND	5		ND	5		ND	5		ND	5	
Iodomethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Isopropylbenzene (Cumene)	NV	NV	NV	660	ND	5		ND	5		ND	5		ND	5	
Methacrylonitrile	NV	NV	NV	1	ND	35		ND	35		ND	35		ND	35	
Methyl methacrylate	NV	NV	NV	1400	ND	5		ND	5		ND	5		ND	5	
Methyl-tert-butylether (MTBE)	NV	NV	NV	6.2	ND	1		ND	1		ND	1		ND	1	
Methylene chloride	NV	100	NV	4.3	ND	5		ND	5		ND	5		ND	5	
Naphthalene	NV	NV	NV	6.2	ND	5		ND	5		ND	5		ND	5	
Pentachloroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
Propionitrile	NV	NV	NV	NV	ND	100		ND	100		ND	100		ND	100	
Styrene	NV	NV	100	1600	ND	5		ND	5		ND	5		ND	5	
Tetrachloroethene	NV	20	5	0.1	ND	5		ND	5		ND	5		ND	5	
Toluene	NV	750	1,000	720	ND	5		ND	5		ND	5		ND	5	
Trichloroethene	NV	100	5	0.028	ND	5		ND	5		ND	5		ND	5	
Trichlorofluoromethane	NV	NV	NV	1300	ND	5		ND	5		ND	5		ND	5	
Vinyl acetate	NV	NV	NV	410	ND	50		ND	50		ND	50		ND	50	
Vinyl chloride	NV	1	2	0.043	ND	5		ND	5		ND	5		ND	5	
Xylenes, total	NV	620	10,000	200	ND	5		ND	5		ND	5		ND	5	
cis-1,2-Dichloroethene	NV	NV	70	61	ND	5		ND	5		ND	5		ND	5	
cis-1,3-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
cis-1,4-Dichloro-2-butene	NV	NV	NV	NV	ND	20		ND	20		ND	20		ND	20	
m and p-Xylene	NV	NV	NV	210	ND	5		ND	5		ND	5		ND	5	
n-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5		ND	5	
n-Propylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5		ND	5	
o-Xylene	NV	NV	NV	1400	ND	5		ND	5		ND	5		ND	5	
p-Isopropyltoluene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
sec-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5		ND	5	
tert-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5		ND	5	
trans-1,2-Dichloroethene	NV	NV	100	120	ND	5		ND	5		ND	5		ND	5	
trans-1,3-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5		ND	5	
trans-1,4-Dichloro-2-butene	NV	NV	NV	NV	ND	20		ND	20		ND	20		ND	20	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 6. VOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW04-a			AOC2-MW01			AOC2-MW03		
Sample Delivery Group Number					131439			131441			131442		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
1,1,1,2-Tetrachloroethane	NV	NV	NV	0.43	ND	5		ND	5		ND	5	
1,1,1-Trichloroethane	NV	60	200	840	ND	5		ND	5		ND	5	
1,1,2,2-Tetrachloroethane	NV	20	NV	0.055	ND	5		ND	5		ND	5	
1,1,2-Trichloroethane	NV	10	5	0.2	ND	5		ND	5		ND	5	
1,1,2-Trichlorotrifluoroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
1,1-Dichloroethane	NV	25	NV	810	ND	5		ND	5		ND	5	
1,1-Dichloroethene	NV	5	7	3400	ND	5		ND	5		ND	5	
1,1-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
1,2,3-Trichlorobenzene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
1,2,3-Trichloropropane	NV	NV	NV	0.0016	ND	5		ND	5		ND	5	
1,2,4-Trichlorobenzene	NV	NV	70	8.2	ND	5		ND	5		ND	5	
1,2,4-Trimethylbenzene	NV	NV	NV	12	ND	5		ND	5		ND	5	
1,2-Dibromo-3-chloropropane	NV	NV	0.2	0.048	ND	5		ND	5		ND	5	
1,2-Dibromoethane	NV	NV	NV	0.0056	ND	5		ND	5		ND	5	
1,2-Dichlorobenzene	NV	NV	600	49	ND	5		ND	5		ND	5	
1,2-Dichloroethane	NV	10	5	0.12	ND	5		ND	5		ND	5	
1,2-Dichloropropane	NV	NV	5	0.16	ND	5		ND	5		ND	5	
1,3,5-Trimethylbenzene	NV	NV	NV	12	ND	5		ND	5		ND	5	
1,3-Dichlorobenzene	NV	NV	NV	16	ND	5		ND	5		ND	5	
1,3-Dichloropropane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
1,4-Dichlorobenzene	NV	NV	75	0.47	ND	5		ND	5		ND	5	
1-Chlorohexane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
2,2-Dichloropropane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
2-Butanone (MEK)	NV	NV	NV	7100	ND	100		ND	100		ND	100	
2-Chloroethyl vinyl ether	NV	NV	NV	NV	ND	5		ND	5		ND	5	
2-Chlorotoluene	NV	NV	NV	120	ND	5		ND	5		ND	5	
2-Hexanone	NV	NV	NV	NV	ND	20		ND	20		ND	20	
4-Chlorotoluene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
4-Methyl -2- Pentanone (MIBK)	NV	NV	NV	2000	ND	10		ND	10		ND	10	
Acetone	NV	NV	NV	33000	ND	100		ND	100		ND	100	
Acetonitrile	NV	NV	NV	NV	ND	50		ND	50		ND	50	
Acrolein	NV	NV	NV	0.042	ND	200		ND	200		ND	200	
Acrylonitrile	NV	NV	NV	0.039	ND	10		ND	10		ND	10	
Allyl chloride	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Benzene	NV	10	5	0.35	ND	1		ND	1		ND	1	
Benzyl chloride	NV	NV	NV	0.066	ND	5		ND	5		ND	5	
Bromobenzene	NV	NV	NV	23	ND	5		ND	5		ND	5	
Bromochloromethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Bromodichloromethane	NV	NV	NV	0.18	ND	5		ND	5		ND	5	
Bromoform	NV	NV	NV	8.5	ND	5		ND	5		ND	5	
Bromomethane	NV	NV	NV	8.7	ND	5		ND	5		ND	5	

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Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 6. VOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW04-a			AOC2-MW01			AOC2-MW03		
Sample Delivery Group Number					131439			131441			131442		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
Carbon Disulfide	NV	NV	NV	1000	ND	5		ND	5		ND	5	
Carbon tetrachloride	NV	10	5	0.17	ND	5		ND	5		ND	5	
Chlorobenzene	NV	NV	100	110	ND	5		ND	5		ND	5	
Chloroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Chloroform	NV	100	NV	75	ND	5		ND	5		ND	5	
Chloromethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Dibromochloromethane	NV	NV	NV	0.13	ND	5		ND	5		ND	5	
Dibromomethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Dichlorodifluoromethane	NV	NV	NV	390	ND	5		ND	5		ND	5	
Ethyl benzene	NV	750	700	1,300	ND	5		ND	5		ND	5	
Ethyl methacrylate	NV	NV	NV	550	ND	50		ND	50		ND	50	
Hexachlorobutadiene	NV	NV	NV	0.86	ND	5		ND	5		ND	5	
Iodomethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Isopropylbenzene (Cumene)	NV	NV	NV	660	ND	5		ND	5		ND	5	
Methacrylonitrile	NV	NV	NV	1	ND	35		ND	35		ND	35	
Methyl methacrylate	NV	NV	NV	1400	ND	5		ND	5		ND	5	
Methyl-tert-butylether (MTBE)	NV	NV	NV	6.2	ND	1		ND	1		ND	1	
Methylene chloride	NV	100	NV	4.3	ND	5		ND	5		ND	5	
Naphthalene	NV	NV	NV	6.2	ND	5		ND	5		ND	5	
Pentachloroethane	NV	NV	NV	NV	ND	5		ND	5		ND	5	
Propionitrile	NV	NV	NV	NV	ND	100		ND	100		ND	100	
Styrene	NV	NV	100	1600	ND	5		ND	5		ND	5	
Tetrachloroethene	NV	20	5	0.1	ND	5		ND	5		ND	5	
Toluene	NV	750	1,000	720	ND	5		ND	5		ND	5	
Trichloroethene	NV	100	5	0.028	ND	5		ND	5		ND	5	
Trichlorofluoromethane	NV	NV	NV	1300	ND	5		ND	5		ND	5	
Vinyl acetate	NV	NV	NV	410	ND	50		ND	50		ND	50	
Vinyl chloride	NV	1	2	0.043	ND	5		ND	5		ND	5	
Xylenes, total	NV	620	10,000	200	ND	5		ND	5		ND	5	
cis-1,2-Dichloroethene	NV	NV	70	61	ND	5		ND	5		ND	5	
cis-1,3-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
cis-1,4-Dichloro-2-butene	NV	NV	NV	NV	ND	20		ND	20		ND	20	
m and p-Xylene	NV	NV	NV	210	ND	5		ND	5		ND	5	
n-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5	
n-Propylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5	
o-Xylene	NV	NV	NV	1400	ND	5		ND	5		ND	5	
p-Isopropyltoluene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
sec-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5	
tert-Butylbenzene	NV	NV	NV	61	ND	5		ND	5		ND	5	
trans-1,2-Dichloroethene	NV	NV	100	120	ND	5		ND	5		ND	5	
trans-1,3-Dichloropropene	NV	NV	NV	NV	ND	5		ND	5		ND	5	
trans-1,4-Dichloro-2-butene	NV	NV	NV	NV	ND	20		ND	20		ND	20	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 7. SVOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW05			AOC2-MW06			AOC2-MW02			AOC2-MW04		
Sample Delivery Group Number					131426			131427			131428			131439		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
1,2,4-Trichlorobenzene	NV	NV	NV	8.2	ND	10		ND	10		ND	10		ND	10	
1,2-Dichlorobenzene	NV	NV	600	49	ND	10		ND	10		ND	10		ND	10	
1,3-Dichlorobenzene	NV	NV	NV	16	ND	10		ND	10		ND	10		ND	10	
1,4-Dichlorobenzene	NV	NV	75	0.47	ND	10		ND	10		ND	10		ND	10	
2,4,5-Trichlorophenol	NV	NV	NV	3700	ND	50		ND	50		ND	50		ND	50	
2,4,6-Trichlorophenol	NV	NV	NV	6.1	ND	50		ND	50		ND	50		ND	50	
2,4-Dichlorophenol	NV	NV	NV	110	ND	10		ND	10		ND	10		ND	10	
2,4-Dimethylphenol	NV	NV	NV	730	ND	10		ND	10		ND	10		ND	10	
2,4-Dinitrophenol	NV	NV	NV	73	ND	50		ND	50		ND	50		ND	50	
2,4-Dinitrotoluene	NV	NV	NV	73	ND	10		ND	10		ND	10		ND	10	
2,6-Dinitrotoluene	NV	NV	NV	37	ND	10		ND	10		ND	10		ND	10	
2-Chloronaphthalene	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
2-Chlorophenol	NV	NV	NV	30	ND	10		ND	10		ND	10		ND	10	
2-Methylnaphthalene	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
2-Methylphenol	NV	NV	NV	1800	ND	10		ND	10		ND	10		ND	10	
2-Nitroaniline	NV	NV	NV	110	ND	50		ND	50		ND	50		ND	50	
2-Nitrophenol	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
3,3-Dichlorobenzidine	NV	NV	NV	0.15	ND	10		ND	10		ND	10		ND	10	
3-Methylphenol	NV	NV	NV	1800	ND	10		ND	10		ND	10		ND	10	
3-Nitroaniline	NV	NV	NV	NV	ND	50		ND	50		ND	50		ND	50	
4,6-Dinitro-2-methylphenol	NV	NV	NV	NV	ND	50		ND	50		ND	50		ND	50	
4-Bromophenyl-phenylether	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
4-Chloro-3-methylphenol	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
4-Chloroaniline	NV	NV	NV	150	ND	10		ND	10		ND	10		ND	10	
4-Chlorophenyl-phenylether	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
4-Methylphenol	NV	NV	NV	180	ND	10		ND	10		ND	10		ND	10	
4-Nitroaniline	NV	NV	NV	NV	ND	50		ND	50		ND	50		ND	50	
4-Nitrophenol	NV	NV	NV	290	ND	50		ND	50		ND	50		ND	50	
Acenaphthene	NV	NV	NV	370	ND	10		ND	10		ND	10		ND	10	
Acenaphthylene	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
Anthracene	NV	NV	NV	1800	ND	10		ND	10		ND	10		ND	10	
Benzidine	NV	NV	NV	0.00029	ND	50		ND	50		ND	50		ND	50	
Benzo(a)anthracene	NV	NV	NV	0.092	ND	10		ND	10		ND	10		ND	10	
Benzo(a)pyrene	NV	0.7	0.2	0.0092	ND	10		ND	10		ND	10		ND	10	
Benzo(b)fluoranthene	NV	NV	NV	0.092	ND	10		ND	10		ND	10		ND	10	
Benzo(g,h,i)perylene	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
Benzo(k)fluoranthene	NV	NV	NV	0.92	ND	10		ND	10		ND	10		ND	10	
Benzoic Acid	NV	NV	NV	150000	ND	10		ND	10		ND	10		ND	10	
Benzyl alcohol	NV	NV	NV	11000	ND	10		ND	10		ND	10		ND	10	
Butylbenzylphthalate	NV	NV	NV	7300	ND	10		ND	10		ND	10		ND	10	
Chrysene	NV	NV	NV	9.2	ND	10		ND	10		ND	10		ND	10	
Di-n-butylphthalate	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
Di-n-octylphthalate	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
Dibenz(a,h)anthracene	NV	NV	NV	0.0092	ND	10		ND	10		ND	10		ND	10	
Dibenzofuran	NV	NV	NV	12	ND	10		ND	10		ND	10		ND	10	
Diethylphthalate	NV	NV	NV	29000	ND	10		ND	10		ND	10		ND	10	

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Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 7. SVOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW05			AOC2-MW06			AOC2-MW02			AOC2-MW04		
Sample Delivery Group Number					131426			131427			131428			131439		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
Dimethylphthalate	NV	NV	NV	370000	ND	10		ND	10		ND	10		ND	10	
Fluoranthene	NV	NV	NV	1500	ND	10		ND	10		ND	10		ND	10	
Fluorene	NV	NV	NV	240	ND	10		ND	10		ND	10		ND	10	
Hexachlorobenzene	NV	NV	1	0.042	ND	10		ND	10		ND	10		ND	10	
Hexachlorobutadiene	NV	NV	NV	0.86	ND	10		ND	10		ND	10		ND	10	
Hexachlorocyclopentadiene	NV	NV	50	220	ND	10		ND	10		ND	10		ND	10	
Hexachloroethane	NV	NV	NV	4.8	ND	10		ND	10		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	NV	NV	NV	0.092	ND	10		ND	10		ND	10		ND	10	
Isophorone	NV	NV	NV	71	ND	10		ND	10		ND	10		ND	10	
N-Nitroso-di-n-propylamine	NV	NV	NV	0.0096	ND	10		ND	10		ND	10		ND	10	
N-Nitrosodiphenylamine	NV	NV	NV	14	ND	10		ND	10		ND	10		ND	10	
Naphthalene	NV	NV	NV	6.2	ND	10		ND	10		ND	10		ND	10	
Nitrobenzene	NV	NV	NV	3.4	ND	10		ND	10		ND	10		ND	10	
Pentachlorophenol	NV	NV	1	0.56	ND	50		ND	50		ND	50		ND	50	
Phenanthrene	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
Phenol	NV	5	NV	11,000	ND	10		ND	10		ND	10		ND	10	
Pyrene	NV	NV	NV	180	ND	10		ND	10		ND	10		ND	10	
bis(2-Chloroethoxy)methane	NV	NV	NV	NV	ND	10		ND	10		ND	10		ND	10	
bis(2-Chloroethyl)ether	NV	NV	NV	0.0098	ND	10		ND	10		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	NV	NV	NV	0.27	ND	10		ND	10		ND	10		ND	10	
bis(2-Ethylhexyl)phthalate	NV	NV	NV	4.8	ND	10		ND	10		ND	10		ND	10	
Total PAH	NV	30	NV	NV	NA			NA			NA			NA		

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Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 7. SVOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW04-a			AOC2-MW01			AOC2-MW03		
Sample Delivery Group Number					131439			131441			131442		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
1,2,4-Trichlorobenzene	NV	NV	NV	8.2	NA			ND	10		ND	10	
1,2-Dichlorobenzene	NV	NV	600	49	NA			ND	10		ND	10	
1,3-Dichlorobenzene	NV	NV	NV	16	NA			ND	10		ND	10	
1,4-Dichlorobenzene	NV	NV	75	0.47	NA			ND	10		ND	10	
2,4,5-Trichlorophenol	NV	NV	NV	3700	NA			ND	50		ND	50	
2,4,6-Trichlorophenol	NV	NV	NV	6.1	NA			ND	50		ND	50	
2,4-Dichlorophenol	NV	NV	NV	110	NA			ND	10		ND	10	
2,4-Dimethylphenol	NV	NV	NV	730	NA			ND	10		ND	10	
2,4-Dinitrophenol	NV	NV	NV	73	NA			ND	50		ND	50	
2,4-Dinitrotoluene	NV	NV	NV	73	NA			ND	10		ND	10	
2,6-Dinitrotoluene	NV	NV	NV	37	NA			ND	10		ND	10	
2-Chloronaphthalene	NV	NV	NV	NV	NA			ND	10		ND	10	
2-Chlorophenol	NV	NV	NV	30	NA			ND	10		ND	10	
2-Methylnaphthalene	NV	NV	NV	NV	NA			ND	10		ND	10	
2-Methylphenol	NV	NV	NV	1800	NA			ND	10		ND	10	
2-Nitroaniline	NV	NV	NV	110	NA			ND	50		ND	50	
2-Nitrophenol	NV	NV	NV	NV	NA			ND	10		ND	10	
3,3-Dichlorobenzidine	NV	NV	NV	0.15	NA			ND	10		ND	10	
3-Methylphenol	NV	NV	NV	1800	NA			ND	10		ND	10	
3-Nitroaniline	NV	NV	NV	NV	NA			ND	50		ND	50	
4,6-Dinitro-2-methylphenol	NV	NV	NV	NV	NA			ND	50		ND	50	
4-Bromophenyl-phenylether	NV	NV	NV	NV	NA			ND	10		ND	10	
4-Chloro-3-methylphenol	NV	NV	NV	NV	NA			ND	10		ND	10	
4-Chloroaniline	NV	NV	NV	150	NA			ND	10		ND	10	
4-Chlorophenyl-phenylether	NV	NV	NV	NV	NA			ND	10		ND	10	
4-Methylphenol	NV	NV	NV	180	NA			ND	10		ND	10	
4-Nitroaniline	NV	NV	NV	NV	NA			ND	50		ND	50	
4-Nitrophenol	NV	NV	NV	290	NA			ND	50		ND	50	
Acenaphthene	NV	NV	NV	370	NA			ND	10		ND	10	
Acenaphthylene	NV	NV	NV	NV	NA			ND	10		ND	10	
Anthracene	NV	NV	NV	1800	NA			ND	10		ND	10	
Benzidine	NV	NV	NV	0.00029	NA			ND	50		ND	50	
Benzo(a)anthracene	NV	NV	NV	0.092	NA			ND	10		ND	10	
Benzo(a)pyrene	NV	0.7	0.2	0.0092	NA			ND	10		ND	10	
Benzo(b)fluoranthene	NV	NV	NV	0.092	NA			ND	10		ND	10	
Benzo(g,h,i)perylene	NV	NV	NV	NV	NA			ND	10		ND	10	
Benzo(k)fluoranthene	NV	NV	NV	0.92	NA			ND	10		ND	10	
Benzoic Acid	NV	NV	NV	150000	NA			ND	10		ND	10	
Benzyl alcohol	NV	NV	NV	11000	NA			ND	10		ND	10	
Butylbenzylphthalate	NV	NV	NV	7300	NA			ND	10		ND	10	
Chrysene	NV	NV	NV	9.2	NA			ND	10		ND	10	
Di-n-butylphthalate	NV	NV	NV	NV	NA			ND	10		ND	10	
Di-n-octylphthalate	NV	NV	NV	NV	NA			ND	10		ND	10	
Dibenz(a,h)anthracene	NV	NV	NV	0.0092	NA			ND	10		ND	10	
Dibenzofuran	NV	NV	NV	12	NA			ND	10		ND	10	
Diethylphthalate	NV	NV	NV	29000	NA			ND	10		ND	10	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 7. SVOC Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification Number	Groundwater Screening Levels				AOC2-MW04-a			AOC2-MW01			AOC2-MW03		
Sample Delivery Group Number					131439			131441			131442		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Semi-volatile Organic Compounds		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
Dimethylphthalate	NV	NV	NV	370000	NA			ND	10		ND	10	
Fluoranthene	NV	NV	NV	1500	NA			ND	10		ND	10	
Fluorene	NV	NV	NV	240	NA			ND	10		ND	10	
Hexachlorobenzene	NV	NV	1	0.042	NA			ND	10		ND	10	
Hexachlorobutadiene	NV	NV	NV	0.86	NA			ND	10		ND	10	
Hexachlorocyclopentadiene	NV	NV	50	220	NA			ND	10		ND	10	
Hexachloroethane	NV	NV	NV	4.8	NA			ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	NV	NV	NV	0.092	NA			ND	10		ND	10	
Isophorone	NV	NV	NV	71	NA			ND	10		ND	10	
N-Nitroso-di-n-propylamine	NV	NV	NV	0.0096	NA			ND	10		ND	10	
N-Nitrosodiphenylamine	NV	NV	NV	14	NA			ND	10		ND	10	
Naphthalene	NV	NV	NV	6.2	NA			ND	10		ND	10	
Nitrobenzene	NV	NV	NV	3.4	NA			ND	10		ND	10	
Pentachlorophenol	NV	NV	1	0.56	NA			ND	50		ND	50	
Phenanthrene	NV	NV	NV	NV	NA			ND	10		ND	10	
Phenol	NV	5	NV	11,000	NA			ND	10		ND	10	
Pyrene	NV	NV	NV	180	NA			ND	10		ND	10	
bis(2-Chloroethoxy)methane	NV	NV	NV	NV	NA			ND	10		ND	10	
bis(2-Chloroethyl)ether	NV	NV	NV	0.0098	NA			ND	10		ND	10	
bis(2-Chloroisopropyl) ether	NV	NV	NV	0.27	NA			ND	10		ND	10	
bis(2-Ethylhexyl)phthalate	NV	NV	NV	4.8	NA			ND	10		ND	10	
Total PAH	NV	30	NV	NV	NA			NA			NA		

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; NA = Not Analyzed; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 8. PCBs, Herbicides, Metals and TPH Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification No.	Groundwater Screening Levels				AOC2-MW05			AOC2-MW06			AOC2-MW02			AOC2-MW04		
Sample Delivery Group					131426			131427			131428			131439		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
PCB-1016	NV	1	0.5	0.96	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1221	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1232	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1242	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1248	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1254	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1260	NV	1	0.5	0.034	ND	0.5		ND	0.5		ND	0.5		ND	0.5	
Herbicides		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
2,4,5-T	NV	NV	NV	370	ND	2.0		ND	2.0		ND	2.0		ND	2.0	
2,4,5-TP (Silvex)	NV	NV	50	290	ND	1.7		ND	1.7		ND	1.7		ND	1.7	
2,4-D	NV	NV	70	370	ND	12		ND	12		ND	12		ND	12	
2,4-DB	NV	NV	NV	290	ND	9.1		ND	9.1		ND	9.1		ND	9.1	
Dalapon	NV	NV	200	1100	ND	50.8		ND	50.8		ND	50.8		ND	50.8	
Dicamba	NV	NV	NV	1100	ND	2.7		ND	2.7		ND	2.7		ND	2.7	
Dichloroprop	NV	NV	NV	NV	ND	6.5		ND	6.5		ND	6.5		ND	6.5	
Dinoseb	NV	NV	7	37	ND	0.7		ND	0.7		ND	0.7		ND	0.7	
MCPA	NV	NV	NV	NV	ND	2490		ND	2490		ND	2490		ND	2490	
MCPP	NV	NV	NV	37	ND	1920		ND	1920		ND	1920		ND	1920	
Metals	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Arsenic	0.0723	0.1	0.01	4.500E-05	0.023	0.005		0.027	0.005		0.026	0.005		0.024	0.005	
Barium	0.9293	1	2	2.6	0.016	0.01		0.014	0.01		0.012	0.01		0.012	0.01	
Cadmium	0.0083	0.01	0.005	0.018	ND	0.005		ND	0.005		ND	0.005		ND	0.005	
Chromium	0.234	0.05	0.1	0.11	0.012	0.01		0.013	0.01		0.013	0.01		0.013	0.01	
Lead	0.0199	0.05	0.015	0.015	ND	0.005		ND	0.005		ND	0.005		ND	0.005	
Selenium	0.0793	0.05	0.05	0.18	ND	0.006		ND	0.006		ND	0.006		ND	0.006	
Silver	0.0073	0.05	NV	0.18	ND	0.005		ND	0.005		ND	0.005		ND	0.005	
Mercury	0.00003	0.002	0.002	0.011	ND	0.0004		ND	0.0004		ND	0.0004		ND	0.0004	
Total Petroleum Hydrocarbons		mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
C06 - C10	NV	NV	NV	NV	ND	0.2		ND	0.2		ND	0.2		ND	0.2	
C10 - C22	NV	NV	NV	NV	ND	0.2		ND	0.2		ND	0.2		ND	0.2	
C22 - C36	NV	NV	NV	NV	ND	0.3		ND	0.3		ND	0.3		ND	0.3	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 8. PCBs, Herbicides, Metals and TPH Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample Identification No.	Groundwater Screening Levels				AOC2-MW04-a			AOC2-MW01			AOC2-MW03		
Sample Delivery Group					131439			131441			131442		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	21-Jun-04			21-Jun-04			21-Jun-04		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Polychlorinated Biphenyls		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
PCB-1016	NV	1	0.5	0.96	NA			ND	0.5		ND	0.5	
PCB-1221	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
PCB-1232	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
PCB-1242	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
PCB-1248	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
PCB-1254	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
PCB-1260	NV	1	0.5	0.034	NA			ND	0.5		ND	0.5	
Herbicides		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
2,4,5-T	NV	NV	NV	370	NA			ND	2.0		ND	2.0	
2,4,5-TP (Silvex)	NV	NV	50	290	NA			ND	1.7		ND	1.7	
2,4-D	NV	NV	70	370	NA			ND	12		ND	12	
2,4-DB	NV	NV	NV	290	NA			ND	9.1		ND	9.1	
Dalapon	NV	NV	200	1100	NA			ND	50.8		ND	50.8	
Dicamba	NV	NV	NV	1100	NA			ND	2.7		ND	2.7	
Dichloroprop	NV	NV	NV	NV	NA			ND	6.5		ND	6.5	
Dinoseb	NV	NV	7	37	NA			ND	0.7		ND	0.7	
MCPA	NV	NV	NV	NV	NA			ND	2490		ND	2490	
MCPP	NV	NV	NV	37	NA			ND	1920		ND	1920	
Metals	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Arsenic	0.0723	0.1	0.01	4.500E-05	NA			0.022	0.005		0.026	0.005	
Barium	0.9293	1	2	2.6	NA			0.024	0.01		0.015	0.01	
Cadmium	0.0083	0.01	0.005	0.018	NA			ND	0.005		ND	0.005	
Chromium	0.234	0.05	0.1	0.11	NA			0.015	0.01		0.012	0.01	
Lead	0.0199	0.05	0.015	0.015	NA			ND	0.005		ND	0.005	
Selenium	0.0793	0.05	0.05	0.18	NA			0.014	0.006		ND	0.006	
Silver	0.0073	0.05	NV	0.18	NA			ND	0.005		ND	0.005	
Mercury	0.00003	0.002	0.002	0.011	NA			ND	0.0004		ND	0.0004	
Total Petroleum Hydrocarbons		mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
C06 - C10	NV	NV	NV	NV	ND	0.2		ND	0.2		ND	0.2	
C10 - C22	NV	NV	NV	NV	ND	0.2		ND	0.2		ND	0.2	
C22 - C36	NV	NV	NV	NV	ND	0.3		ND	0.3		ND	0.3	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 9. Total Dissolved Solids and Nitrite/Nitrate Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample ID Number	Groundwater Screening Levels				AOC2-MW01			AOC2-MW02			AOC2-MW03		
Sample Delivery Group					137678			137678			137678		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	3-Oct-05			3-Oct-05			3-Oct-05		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Metals	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Total Dissolved Solids	NV	1000.0	NV	NV	**24700**	5		**19600**	5		**17300**	5	
Anions	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Nitrate/Nitrite and Nitrogen	3.44	10	10	10	11.4	0.02		12.8	0.02		5.8	0.02	

Sample ID Number	Groundwater Screening Levels				AOC2-MW04			AOC2-MW05			AOC2-MW06		
Sample Delivery Group					137678			137678			137678		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	3-Oct-05			3-Oct-05			3-Oct-05		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q
Metals	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Total Dissolved Solids	NV	1000.0	NV	NV	**16600**	5		**15400**	5		**20600**	5	
Anions	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	
Nitrate/Nitrite and Nitrogen	3.44	10	10	10	7	0.02		5.6	0.02		4.2	0.02	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; mg/L = milligrams per Liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

Table 10. Pesticide Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample ID Number	Groundwater Screening Levels				AOC2-TW01			AOC2-TW02			AOC2-TW03			AOC2-TW04		
Sample Delivery Group					F34833			F34833			F34833			F34833		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	12-Sep-05			13-Sep-05			13-Sep-05			13-Sep-05		
Analyte					Result	RL	Q	Result	RL	Q	Result	RL	Q	Result	RL	Q
Pesticides	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L		µg/L	µg/L		µg/L	µg/L	
Aldrin	NV	NV	NV	0.004	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
alpha-BHC	NV	NV	NV	NV	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
beta-BHC	NV	NV	NV	NV	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
delta-BHC	NV	NV	NV	NV	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
gamma-BHC (Lindane)	NV	NV	0.2	NV	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
alpha-Chlorodane	NV	NV	2	0.19	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
gamma-Chlorodane	NV	NV	2	0.19	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
Dieldrin	NV	NV	NV	0.0042	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
4,4'- DDD	NV	NV	NV	0.28	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
4,4'- DDE	NV	NV	NV	0.2	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
4,4'- DDT	NV	NV	NV	0.2	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Endrin	NV	NV	2	11	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Endosulfan sulfate	NV	NV	NV	220	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Endrin aldehyde	NV	NV	NV	NV	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Endrin ketone	NV	NV	NV	NV	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Endosulfan-I	NV	NV	NV	NV	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
Endosulfan-II	NV	NV	NV	NV	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Heptachlor	NV	NV	0.4	0.015	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
Heptachlor epoxide	NV	NV	NV	0.0074	ND	0.057		ND	0.053		ND	0.051		ND	0.051	
Methoxychlor	NV	NV	40	180	ND	0.11		ND	0.11		ND	0.10		ND	0.10	
Toxaphene	NV	NV	3	0.061	ND	2.8		ND	2.6		ND	2.6		ND	2.5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

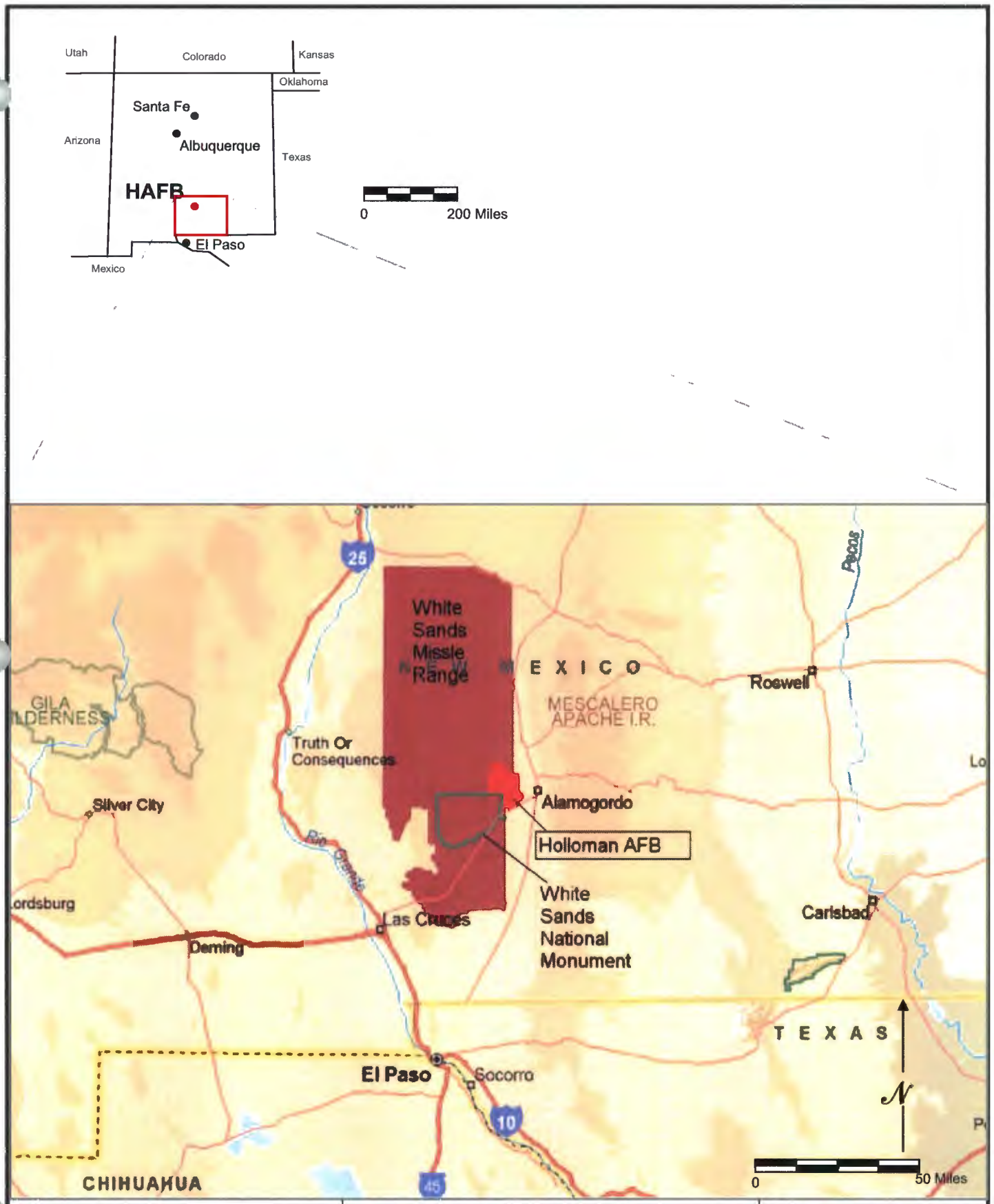
Table 10. Pesticide Groundwater Analytical Results
AOC-2
Holloman, AFB
Bhate Project No. 9030024

Sample ID Number	Groundwater Screening Levels				AOC2-TW05			AOC2-TW06		
Sample Delivery Group					F34833			F34833		
Sample Collection Date	Basewide UTL	NMWQCC	EPA	Region 6	13-Sep-05			12-Sep-05		
Analyte					Result	RL	Q	Result	RL	Q
Pesticides	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	
Aldrin	NV	NV	NV	0.004	ND	0.051		ND	0.051	
alpha-BHC	NV	NV	NV	NV	ND	0.051		ND	0.051	
beta-BHC	NV	NV	NV	NV	ND	0.051		ND	0.051	
delta-BHC	NV	NV	NV	NV	ND	0.051		ND	0.051	
gamma-BHC (Lindane)	NV	NV	0.2	NV	ND	0.051		ND	0.051	
alpha-Chlorodane	NV	NV	2	0.19	ND	0.051		ND	0.051	
gamma-Chlorodane	NV	NV	2	0.19	ND	0.051		ND	0.051	
Dieldrin	NV	NV	NV	0.0042	ND	0.051		ND	0.051	
4,4'- DDD	NV	NV	NV	0.28	ND	0.10		ND	0.10	
4,4'- DDE	NV	NV	NV	0.2	ND	0.10		ND	0.10	
4,4'- DDT	NV	NV	NV	0.2	ND	0.10		ND	0.10	
Endrin	NV	NV	2	11	ND	0.10		ND	0.10	
Endosulfan sulfate	NV	NV	NV	220	ND	0.10		ND	0.10	
Endrin aldehyde	NV	NV	NV	NV	ND	0.10		ND	0.10	
Endrin ketone	NV	NV	NV	NV	ND	0.10		ND	0.10	
Endosulfan-I	NV	NV	NV	NV	ND	0.051		ND	0.051	
Endosulfan-II	NV	NV	NV	NV	ND	0.10		ND	0.10	
Heptachlor	NV	NV	0.4	0.015	ND	0.051		ND	0.051	
Heptachlor epoxide	NV	NV	NV	0.0074	ND	0.051		ND	0.051	
Methoxychlor	NV	NV	40	180	ND	0.10		ND	0.10	
Toxaphene	NV	NV	3	0.061	ND	2.5		ND	2.5	

NOTES: NMED = New Mexico Environment Department; UTL = Upper Tolerance Limit; ug/L = micrograms per liter; NV = No Value; ND = Not Detected; RL = Reporting Limit; Q = Qualifier; UJ = Estimated

Exceeds NMWQCC, EPA MCL or Region 6 Limit
Exceeds Background Limit

FIGURES

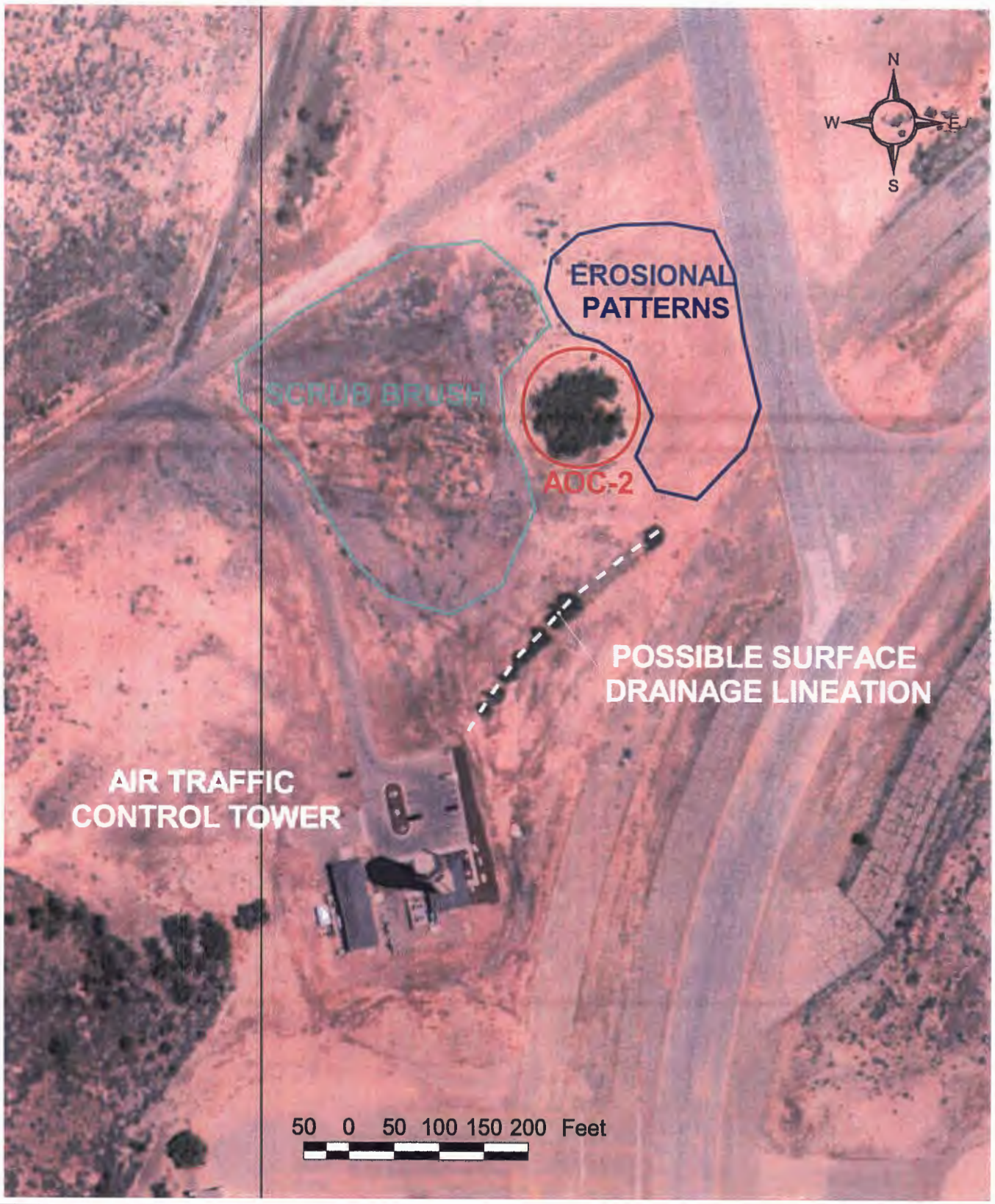


BHATE
Environmental Engineers and Scientists

LOCATION MAP				
PROJECT NO	SCALE:	DATE:	DRAWN BY	
9030024	SHOWN	8/6/03	SSD	
			FILE 9030024-01-02	

Figure 1

Holloman AFB, New Mexico



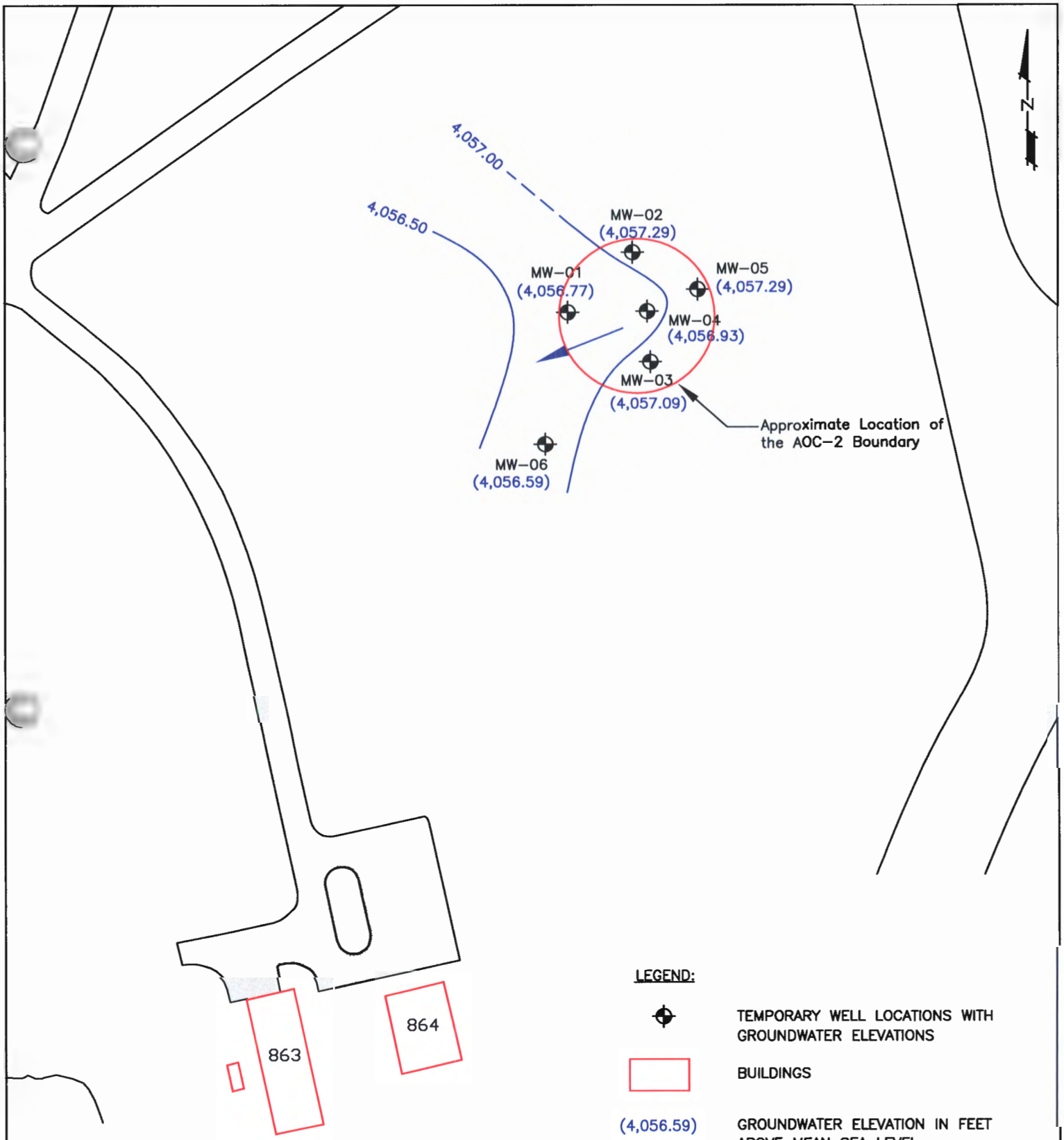
BHATE
Environmental Engineers and Scientists

AOC-2 SURFACE FEATURES

PROJECT NO.	SCALE	DATE	DRAWN BY: CM
9030024	1"=150'	11/14/03	DRAWING NO: 9030024-01-04

AOC-2
HOLLOMAN AFB, NEW MEXICO

FIGURE 2



LEGEND:

TEMPORARY WELL LOCATIONS WITH GROUNDWATER ELEVATIONS

BUILDINGS

(4,056.59) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

— 4,057 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

DIRECTION OF GROUNDWATER MOVEMENT

NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

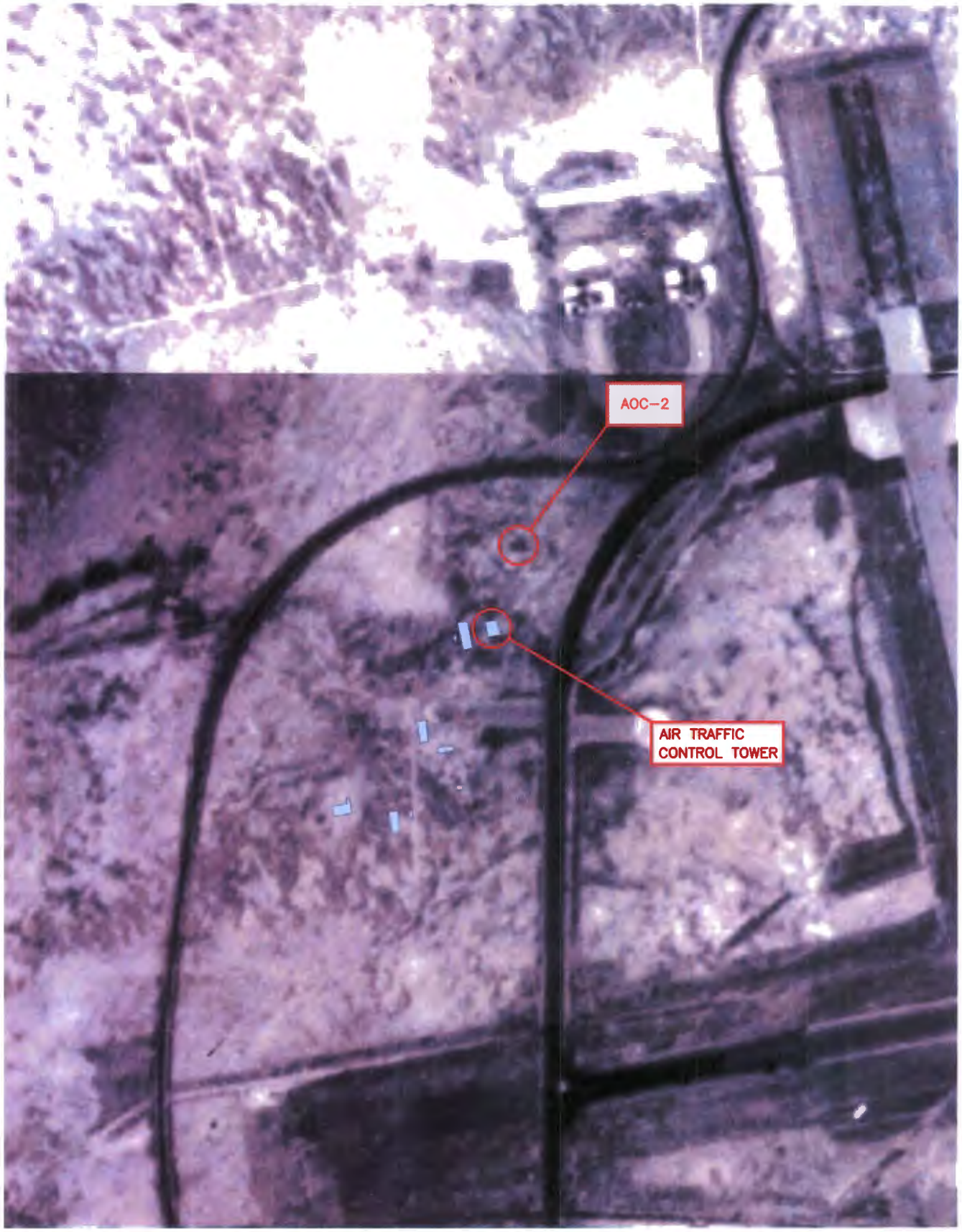
BHATE
Environmental Engineers and Scientists

AOC-2 POTENTIOMETRIC SURFACE MAP
(SEPTEMBER 2004)

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-09

AOC-2
Holloman Air Force Base, New Mexico

Figure 3



BHATE
Environmental Engineers and Scientists

AOC-2 AERIAL PHOTOGRAPH 1945

PROJECT NO.	SCALE	DATE	DRAWN BY: MRM
9030024	NTS	9/27/04	DRAWING NO: 9030024-03

AOC-2
Holloman Air Force Base, New Mexico

Figure 4

BHATE
Environmental Engineers and Scientists

AOC-2 AERIAL PHOTOGRAPH 1982

PROJECT NO.	SCALE	DATE	DRAWN BY: MRM
9030024	NTS	10/13/05	DRAWING NO: 9030024-04

AOC-2
Holloman Air Force Base, New Mexico

Figure 5

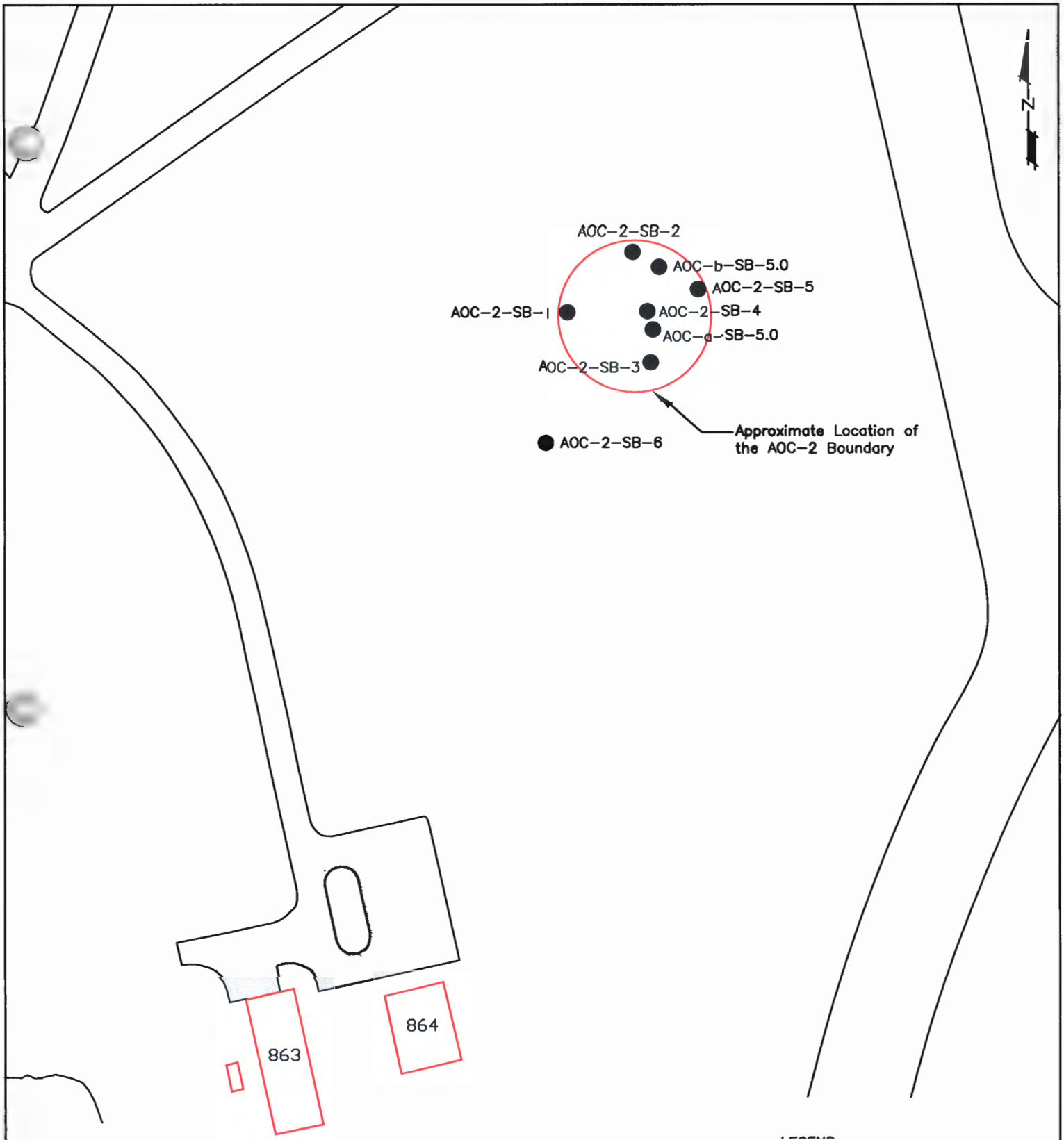
BHATE
Environmental Engineers and Scientists

AOC-2 AERIAL PHOTOGRAPH 1997

PROJECT NO.	SCALE	DATE	DRAWN BY: MRM
9030024	NTS	10/13/05	DRAWING NO: 9030024-05

AOC-2
Holloman Air Force Base, New Mexico

Figure 6



NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

LEGEND:

● SOIL BORING LOCATIONS

▭ BUILDINGS

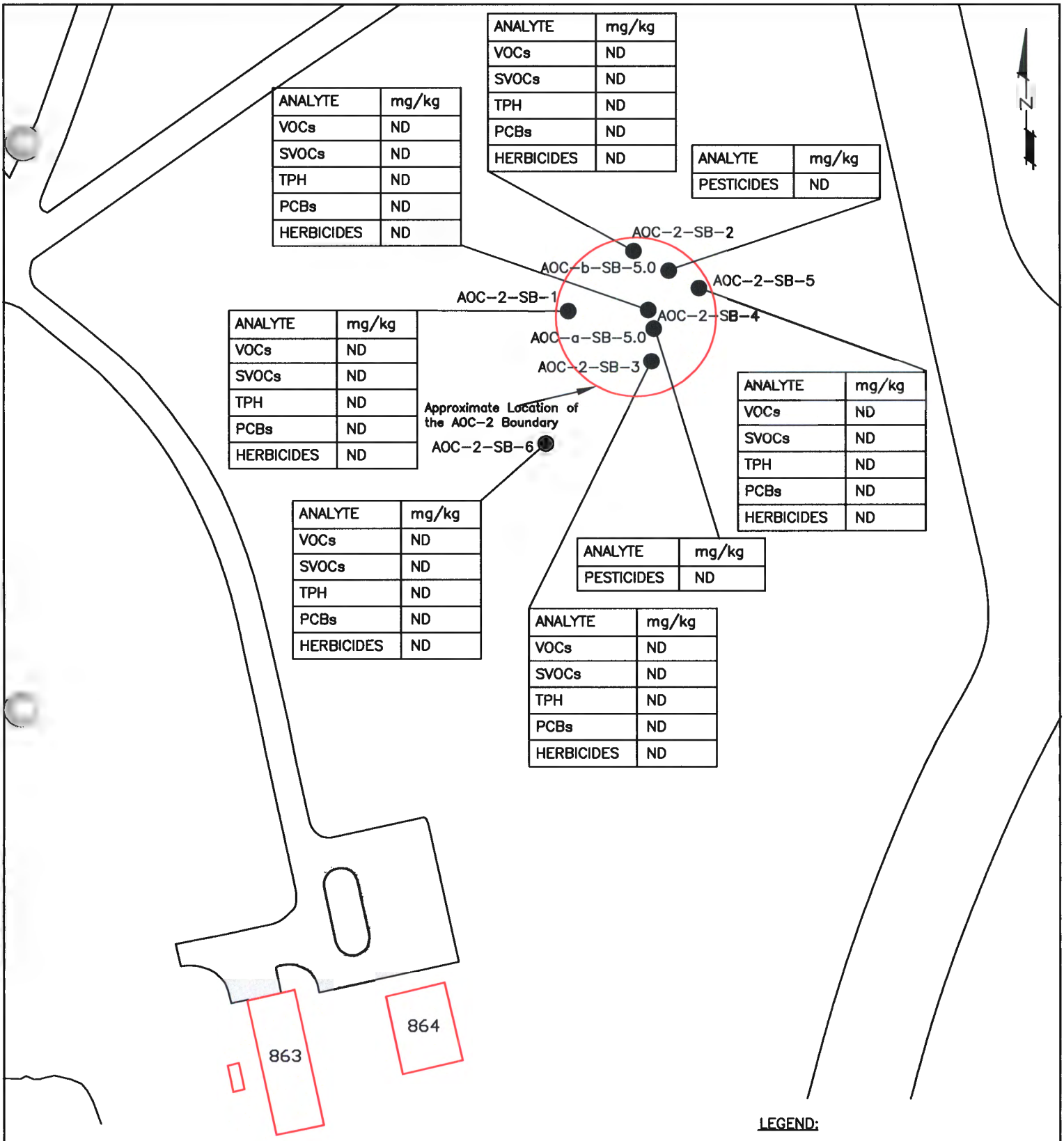
BHATE
Environmental Engineers and Scientists

AOC-2 SOIL SAMPLING LOCATIONS

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-06new

AOC-2
Holloman Air Force Base, New Mexico

Figure 7



ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

ANALYTE	mg/kg
PESTICIDES	ND

ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

ANALYTE	mg/kg
PESTICIDES	ND

ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

ANALYTE	mg/kg
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND

NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

LEGEND:

●	SOIL BORING LOCATIONS
▭	BUILDINGS
ND	NOT DETECTED
mg/kg	MILLIGRAMS PER KILOGRAM

BHATE
Environmental Engineers and Scientists

AOC-2 SOIL ANALYTICAL RESULTS

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-07

AOC-2
Holloman Air Force Base, New Mexico

Figure 8

SAMPLE	SB-01-4	SB-01-10
METALS	mg/kg	mg/kg
ARSENIC	3.52	3.22
BARIUM	13.6	30.1
CADMIUM	ND	ND
CHROMIUM	1.44	4.13
LEAD	ND	0.64
SELENIUM	ND	ND
SILVER	ND	ND
MERCURY	ND	ND

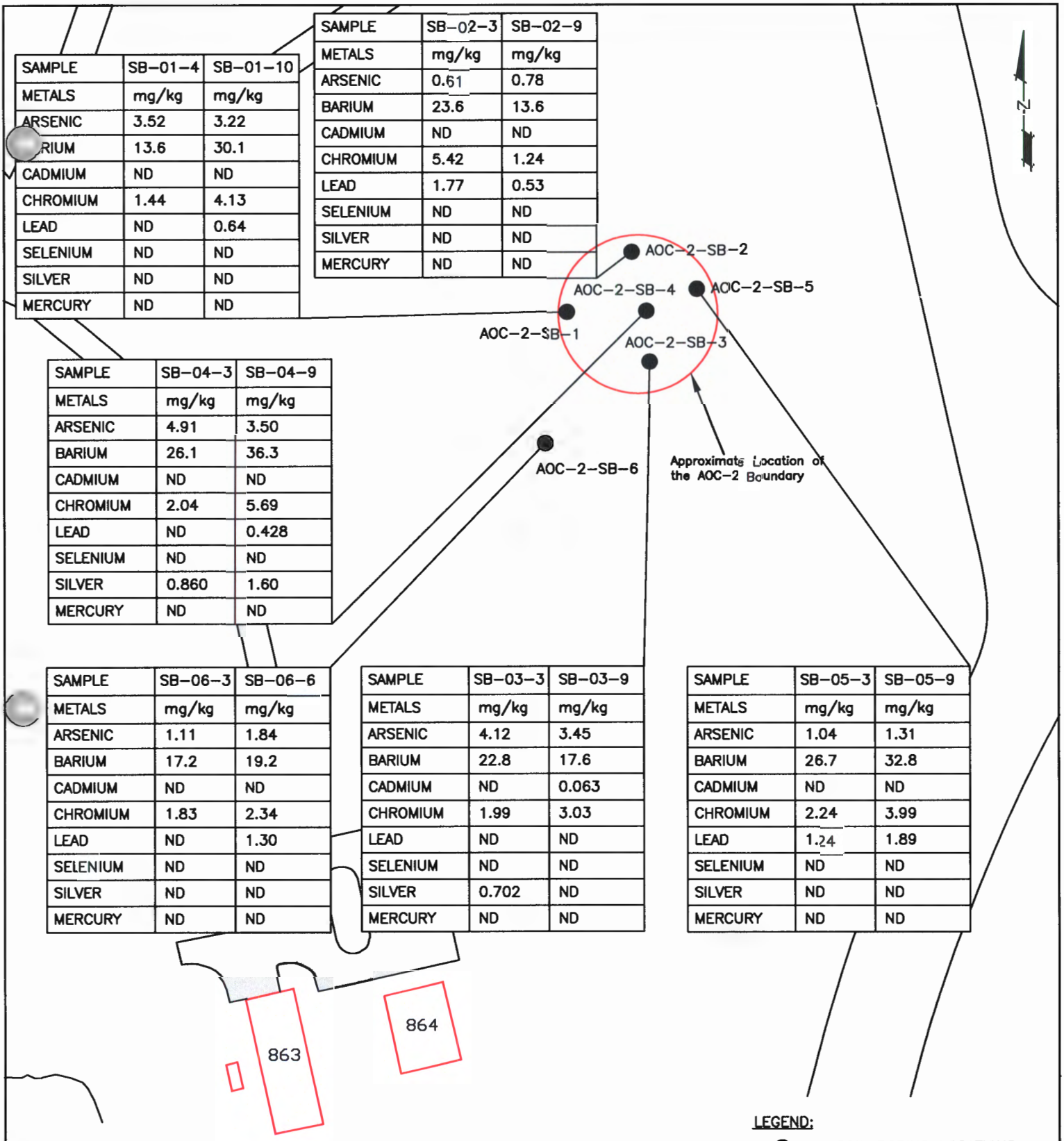
SAMPLE	SB-02-3	SB-02-9
METALS	mg/kg	mg/kg
ARSENIC	0.61	0.78
BARIUM	23.6	13.6
CADMIUM	ND	ND
CHROMIUM	5.42	1.24
LEAD	1.77	0.53
SELENIUM	ND	ND
SILVER	ND	ND
MERCURY	ND	ND

SAMPLE	SB-04-3	SB-04-9
METALS	mg/kg	mg/kg
ARSENIC	4.91	3.50
BARIUM	26.1	36.3
CADMIUM	ND	ND
CHROMIUM	2.04	5.69
LEAD	ND	0.428
SELENIUM	ND	ND
SILVER	0.860	1.60
MERCURY	ND	ND

SAMPLE	SB-06-3	SB-06-6
METALS	mg/kg	mg/kg
ARSENIC	1.11	1.84
BARIUM	17.2	19.2
CADMIUM	ND	ND
CHROMIUM	1.83	2.34
LEAD	ND	1.30
SELENIUM	ND	ND
SILVER	ND	ND
MERCURY	ND	ND

SAMPLE	SB-03-3	SB-03-9
METALS	mg/kg	mg/kg
ARSENIC	4.12	3.45
BARIUM	22.8	17.6
CADMIUM	ND	0.063
CHROMIUM	1.99	3.03
LEAD	ND	ND
SELENIUM	ND	ND
SILVER	0.702	ND
MERCURY	ND	ND

SAMPLE	SB-05-3	SB-05-9
METALS	mg/kg	mg/kg
ARSENIC	1.04	1.31
BARIUM	26.7	32.8
CADMIUM	ND	ND
CHROMIUM	2.24	3.99
LEAD	1.24	1.89
SELENIUM	ND	ND
SILVER	ND	ND
MERCURY	ND	ND



NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

LEGEND:

- ● SOIL BORING LOCATIONS
- ▭ BUILDINGS
- ND NOT DETECTED
- mg/kg MILLIGRAMS PER KILOGRAM

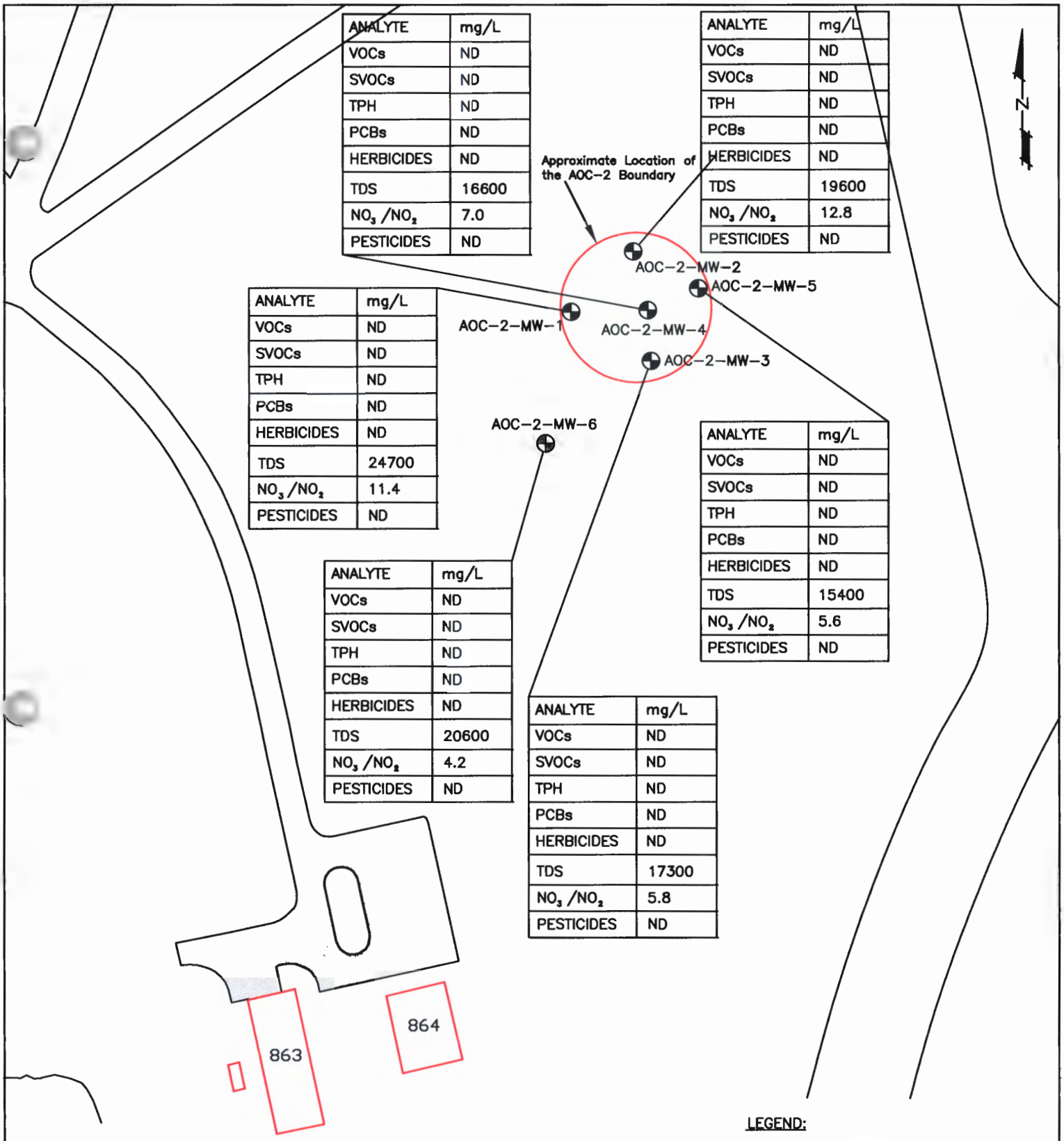
BHATE Environmental Engineers and Scientists

AOC-2 SOIL ANALYTICAL RESULTS
RCRA-8 METALS

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-08

AOC-2
Holloman Air Force Base, New Mexico

Figure 9



ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	16600
NO_3/NO_2	7.0
PESTICIDES	ND

ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	19600
NO_3/NO_2	12.8
PESTICIDES	ND

ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	24700
NO_3/NO_2	11.4
PESTICIDES	ND

ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	15400
NO_3/NO_2	5.6
PESTICIDES	ND

ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	20600
NO_3/NO_2	4.2
PESTICIDES	ND

ANALYTE	mg/L
VOCs	ND
SVOCs	ND
TPH	ND
PCBs	ND
HERBICIDES	ND
TDS	17300
NO_3/NO_2	5.8
PESTICIDES	ND

NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

LEGEND:

- MONITORING WELL LOCATIONS
- BUILDINGS
- ND — NOT DETECTED
- mg/L — MILLIGRAMS PER LITER

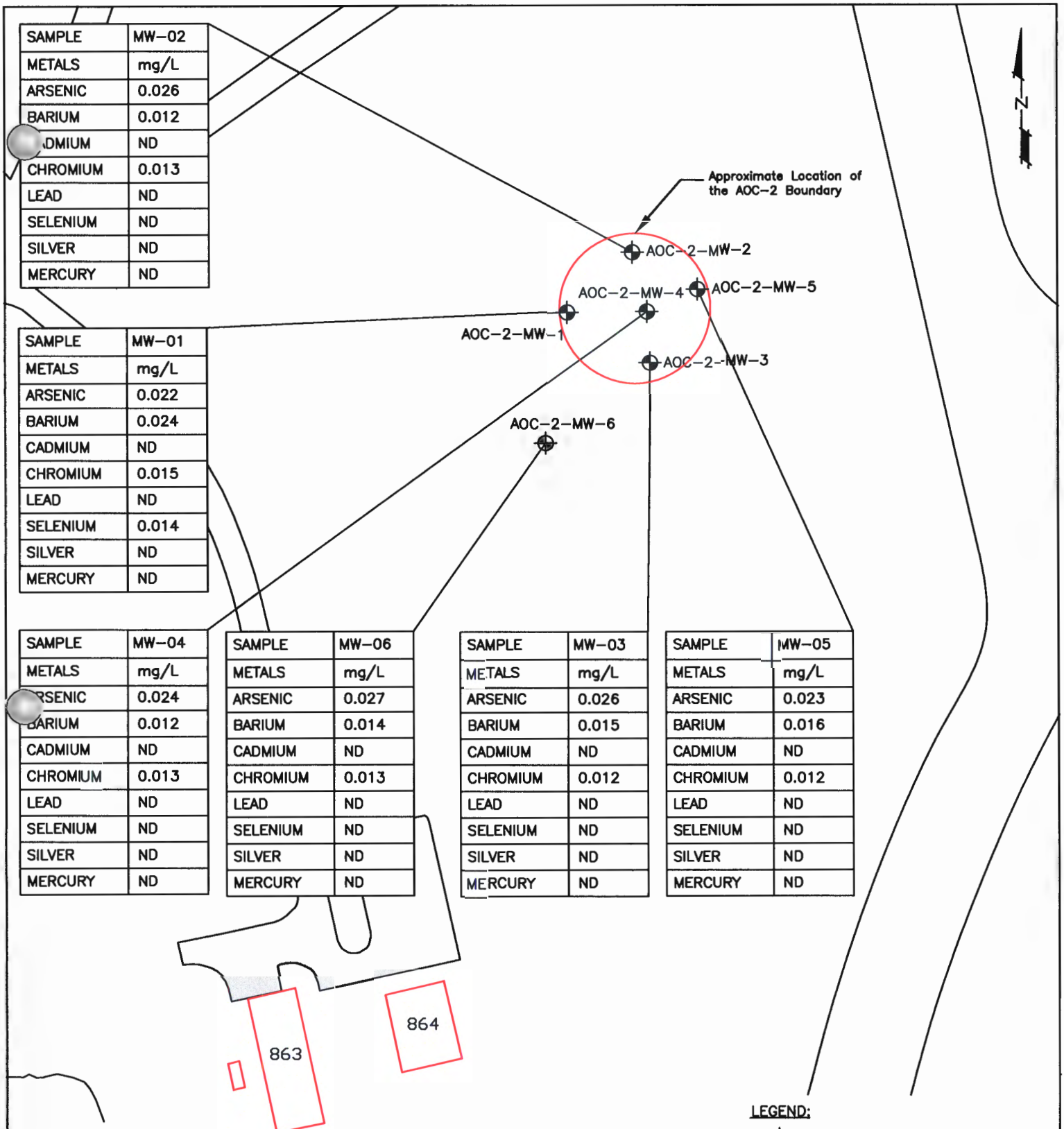
BHATE Environmental Engineers and Scientists

AOC-2 GROUNDWATER ANALYTICAL RESULTS

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-10

AOC-2
Holloman Air Force Base, New Mexico

Figure 10



SAMPLE	MW-02
METALS	mg/L
ARSENIC	0.026
BARIUM	0.012
CADMIUM	ND
CHROMIUM	0.013
LEAD	ND
SELENIUM	ND
SILVER	ND
MERCURY	ND

SAMPLE	MW-01
METALS	mg/L
ARSENIC	0.022
BARIUM	0.024
CADMIUM	ND
CHROMIUM	0.015
LEAD	ND
SELENIUM	0.014
SILVER	ND
MERCURY	ND

SAMPLE	MW-04
METALS	mg/L
ARSENIC	0.024
BARIUM	0.012
CADMIUM	ND
CHROMIUM	0.013
LEAD	ND
SELENIUM	ND
SILVER	ND
MERCURY	ND

SAMPLE	MW-06
METALS	mg/L
ARSENIC	0.027
BARIUM	0.014
CADMIUM	ND
CHROMIUM	0.013
LEAD	ND
SELENIUM	ND
SILVER	ND
MERCURY	ND

SAMPLE	MW-03
METALS	mg/L
ARSENIC	0.026
BARIUM	0.015
CADMIUM	ND
CHROMIUM	0.012
LEAD	ND
SELENIUM	ND
SILVER	ND
MERCURY	ND

SAMPLE	MW-05
METALS	mg/L
ARSENIC	0.023
BARIUM	0.016
CADMIUM	ND
CHROMIUM	0.012
LEAD	ND
SELENIUM	ND
SILVER	ND
MERCURY	ND

NOTE: This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

LEGEND:

- MONITORING WELL LOCATIONS
- BUILDINGS
- ND — NOT DETECTED
- mg/L — MILLIGRAMS PER LITER

BHATE Environmental Engineers and Scientists

AOC-2 GROUNDWATER ANALYTICAL RESULTS
RCRA-8 METALS

PROJECT NO.	SCALE	DATE	DRAWN BY: CM/MRM
9030024	1"=100'	10/13/05	DRAWING NO: 9030024-11

AOC-2
Holloman Air Force Base, New Mexico

Figure 11

APPENDIX A

SITE PHOTOGRAPHS

Photograph 1: AOC-2 with fence surrounding the area.

Photograph 2: AOC-2 with fence surrounding the area.

Photograph 3: Weathered sign at AOC-2 indicating no sewage disposal.

Photograph 4: Additional view of AOC-2.

Photograph 5: Additional view of AOC-2.

APPENDIX B

SOIL BORING LOGS

HTW DRILLING LOG

HOLE NO. SB01 AOC2-~~DP01~~

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 2 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: ~~Justin Tucker~~ M.E. Mumby	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/20/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A 15.05 ft after 24 Hours
14. TOTAL DEPTH OF HOLE: MEM ~~19.0'~~ 23.0'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A 10.05 ft after temp well Installation

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed As:	MEM	MEM. ~~Temp Well~~	Temp well	Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	CL- Clay - lt brn (7.5YR 6/4) moist, soft s/calc to v calc in some zones, most likely interbedded caliche', scattered v fgr sand.	Screened in hab due to heat.				Due to high heat. all samples were extracted capped placed on ice and screened in the sample prep area.
	1						
	2						
	3						
	4						
	5						

PROJECT: AOC-2 HOLE NO: AOC2-DP01

HTW DRILLING LOG

HOLE NO AOC2-DP01

PROJECT AOC-2

INSPECTOR Mark Mumby

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5						
	6	SC-Clayey Sand. lt rd brn (5YR 6/4) mo.st, vfgr sand in a clay mtx consisting prim of gypsum?. ul some intb caliche. sl -v calc in some zones. mtx disolves readily in water. Incr Clay content w depth					
	7						
	8	CL-Clay red (2.5YR 4/6) Soft-mod firm in some zones, moist-wet in some zones, predwet by 11.0', cbnt intbd gypsum, incr w depth. fat, v expansive					
	9						
	10						
	11						
	12						
	13						
	14						

HTW DRILLING LOG

HOLE NO. AOC2-DP01

PROJECT AOC-2

INSPECTOR Mark Mumby

SHEET 1 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14						
	15						
	16						
	17	Caliche - Hgy (2.5Y 7/2) firm-m hard, very calc., abnt intb gyp sum crystals, moist berm wet by 19.5', Sl sandy.					
	18						
	19						
	20	Caliche AA, w/ some intbd red clay, grades back to all Caliche by 20.5'					
	21	SC - Clayey sand color AA grading to a light brngy (2.5Y 6/2) soft, saturated, sands are v fgr in a gyp clay mtx w/ some caliche. n-v calc in some zones.					
	22						
		T.D. 23.0'					

HTW DRILLING LOG

HOLE NO. SB02 AOC2-~~DP01~~

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 3 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: ~~Justin Tucker~~ M.E. Mumby	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/21/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: ~~N/A~~ 9.87 ft 6 Hours after Completion
14. TOTAL DEPTH OF HOLE: 23.0' Well Completed @ 22.5'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	X Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed to: →	X	Temp well		Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	CL- Clay - brn to dk brn (7.5YR 4/4) firm - soft, abnt int bd caliche, especially below 2', occ small roots present. incr sand content below 3.0'.					
	1						
	2						
	3						
	4						
	5						

PROJECT: AOC-2 HOLE NO: AOC2-DP01

HTW DRILLING LOG

HOLE NO. ~~SB02~~ AOC2-~~DP01~~

PROJECT: AOC-2

INSPECTOR: Mark Mumby

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	Sc - Clayey Sand					
		lt rd brn (5YR 6/4)					
		v moist, vfgr sand (eolian)					
	6	in c clay mtx consisting					
		prim of gypsum? w/occ					
		lntbd caliche, incr clay					
		content w/ depth, especially					
	7	below 7.0					
		CL - Clay, red (2.5YR 4/6)					
	8	soft to mod firm in some					
		zones, moist wet by Approx					
		12.0', f high plasticity (fat)					
		cbnt intbd gypsum & some					
	9	caliche, both incr w/depth					
	10						
	11						
	12						
	13						
	14						

PROJECT: AOC-2

HOLE NO.: AOC2-DP01

HTW DRILLING LOG

HOLE NO. ~~SB02~~ AOC2-~~DP01~~

PROJECT: AOC-2

INSPECTOR: Mark Mumby

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14						
		Ch-Clay AA					
	15						
	16						
	17	Caliche, lt gy (2.5Y 7/2) Crumbly to soft, vmoist wet, vcalc, common indib gypsum crystals, occ vfgr sand w/ sand content incr rapidly by 18.75'					
	18						
	19	Clayey SC^Sand, color AA, again grading to a light brn gy (2.5Y 6/2) @ approx 21.0' saturated, sands are v fgr in a clay mtx (gyp)? f diff to drill, ~~calc~~.					
	20						
	21						
	22						
		T.D. 23.0'					

HTW DRILLING LOG

HOLE NO. SB03
AOC2-~~DP03~~ MM

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 3 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: ~~Justin Tucker~~ M.E. Mumby	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/20/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: ~~N/A~~ 9.61 ft 6 Hours after Completion
14. TOTAL DEPTH OF HOLE: 20.0' Well Completed @ 18.0'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed As:	X MEM	Temp Well		Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Cl-Clay lt brn (7.5YR 6/4) moist, soft, sl calc to v calc in some zones (inf bb caliche), occ vfgr sand, occ small roots 1-2 cm.					
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. AOC2-DP03

PROJECT AOC-2

INSPECTOR Mark Mumby

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	SC-Clayey Sand: lt rd brn (5YR 6/4), v moist, vfgr sand (~~eolian~~) (eolian?), in a clay mtx consisting prim of gypsum?, incr clay content below 7.5 ft.					
	6						
	7						
	8	CL-Clay red (2.5YR 4/6) soft to firm, moist, f high plasticity (fat) cbnt lntbd gyp w/ occ caliche grades to a sandy clay from 10-12', wet in this zone, grades back to a clay below 12.0', still wet.					
	9						
	10						
	11						
	12						
	13						
	14						

PROJECT AOC-2

HOLE NO. AOC2-DP03

HTW DRILLING LOG

HOLE NO AOC2-DP03

PROJECT AOC-2

INSPECTOR Mark Mumby

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14	Cl - Clay AA.					
	15						
	16	Sp- Sand strong brn (7.5YR 5/8), wet, pem saturated by 18.0', v fgr sbrd, u sorted sand in a fdn mtx, flowing below 18.0. Cannot get sampler below 18.0', hole collapses. Ran sampler to 20.0' twice had to open @ 18.0' both times.					
	17						
	18						
	19						
	20	T.D. 20.0'					
	21						
	22						

HTW DRILLING LOG

HOLE NO. SB04 AOC2-~~DP04~~

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 3 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: ~~Justin Tucker~~ M.E. Mumby	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/24/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A 9.00' Approx 6.0 Hours after completion
14. TOTAL DEPTH OF HOLE: 20.0' Temp Well Completed @ 20.0'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed as:	X	Temp Well		Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Cl-Clay lt brn (7.5YR6/4) moist, crumbly & soft, Calc due to inbd caliche occ v fgr sand, common small roots due to loc right in middle of heavily vegetated area.					
	1						
	2						
	3						
	4						
	5						

PROJECT: AOC-2

HOLE NO: AOC2-DP04

HTW DRILLING LOG

HOLE NO. SB04
AOC2-~~DP04~~

PROJECT
AOC-2

INSPECTOR
Mark Mumby

SHEET 2
OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	SC-Clayey Sand: lt rd brn (5YR 6/4) v moist, sand is vfgr (eolian) in a clay mtx consisting of (gyp caliche?) v calc in some zones, incr clay content below 7.0'					
	6						
	7						
	8	Ch-Clay red (2.5YR 4/6) soft-m firm, moist becoming wet by approx 10-11.0' grades to a sandy clay/clayey sand from 11-12.0' saturated in this zone, grades back to a clay below 12.0' abnt intb gyp & calc carb. Calcin some zones					
	9						
	10						
	11	Sandy Clay/Clayey Sand zone					
	12	Ch Clay AA					
	13						
	14						

HTW DRILLING LOG

HOLE NO. SB04 / AOC2-~~DP04~~

PROJECT: AOC-2

INSPECTOR: Mark Mumby

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14	Clay - red AA.					
	15						
	16	Caliche - Hgy (2.5Y 7/2) Crumbly - soft, wet in a majority of int, v moist in some zones, scattered int bd, gyp crystals, incr sand and moist content below 17.5'					
	17						
	18	SC - Clayey Sand color AA, saturated, v calc v fgr sand in a clay (gyp caliche) mix, becomes f dense @ 19.0' f diff drlg.					
	19						
	20	T.D. 20.0'					
	21						
	22						

HTW DRILLING LOG

HOLE NO. SB05
AOC2-DP05

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 3 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: ~~Justin Tucker~~ M.E. Mumby	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/24/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A 9.74' BGS Approx 18 Hours After Comp.
14. TOTAL DEPTH OF HOLE: 20.0' Well Completed to 20.0'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed As:	X	Temp Well		Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Ch. Clay lt brn (7.5YR 6/4) moist, soft, calc, occ - scattered v fgr sand.					
	1						
	2						
	3						
	4	Caliche v pale brn (10YR 7/3) m firm-firm, moist, occ v fgr sand.					
	5						

HTW DRILLING LOG

HOLE NO. SB05
AOC2-~~DP05~~

PROJECT: AOC-2
INSPECTOR: Mark Mumby
SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	Caliche - AA					
	6	Sc Clayey Sand ~~Lt rd~~ lt rd brn (5YR 6/4) v moist, vfgr sand (eolian?) in a clay mtx, (gyp caliche) v calc in some zones, ~~strgs~~ no noticeable incr in clay content in entire int.					
	7						
	8						
	9	Caliche - lt rd brn (5YR 6/4) v moist becmg wet below 10.5', some int bd red clay.					
	10						
	11	Ch-Clay, red (2.5YR 4/6) soft-m firm, wet, f high plasticity (fat) abnt int bd gyp & caliche, grades to a sandy clay from 13-14.0', saturated in this zone grades back to a clay below 14.0'					
	12						
	13						
	14						

HTW DRILLING LOG

HOLE NO. 3/005
AOC2-~~DP05~~

PROJECT
AOC-2

INSPECTOR
Mark Mumby

SHEET 3
OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14	CL-Clay AA.					
	15	Caliche-Hag (2.5Y 7/2) soft, wet, scattered-occ intb gyp crystals, incr sand content w depth					
	16						
	17						
	18	SC Clayey Sand, color AA, v fgr sand in a clay (gyp caliche?) mdx, ~~saturated~~ saturated, soft all the way to 20.0'					
	19						
	20	T.D. 20.0'					
	21						
	22						

HTW DRILLING LOG

HOLE NO. SB06
AOC2-~~DP06~~

1. COMPANY NAME: BHATE	2. DRILLING CONTRACTOR: BHATE
SHEET 1 OF 3 SHEETS	
3. PROJECT: AOC-2	4. LOCATION: Holloman AFB, NM AOC-2
5. NAME OF DRILLER: Justin Tucker	6. MANUFACTURER'S DESIGNATION OF DRILL: Direct Push Technology
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 48 INCH MACROCORE SAMPLER	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 18-May-2004 / 11. DATE COMPLETED: 5/24/04
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A 9.99' Approx 16.0' Aftr Completion
14. TOTAL DEPTH OF HOLE: 18.0' Well completed @ 18.0'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
None			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	EnCore	Filtered	TPH	SVOCS	TDS	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Soil Boring Completed 18'	X	Temp Well		Mark Mumby

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	CL- Clay lt brn (7.5YR 6/4) moist, soft, sl-v calc, (intbd caliche), occ vfgr sand. def incr in sand content below 4.5'					
	1						
	2						
	3						
	4						
	5						

PROJECT: AOC-2

HOLE NO: AOC2-DP06

HTW DRILLING LOG

HOLE NO. SB06
AOC2-~~DP06~~

PROJECT: AOC-2

INSPECTOR: Mark Mumby

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	Cl- Clay AA, becmg sandy					
	6	SC Clayey Sand; lt rd brn, v moist, v fgr sand (eolian) in a clay mtx consisting of gyp/caliche?					
	7						
	8	SC Clayey Sand, pred AA, becomes wet @ Approx 7.5' color changes to a reddish yellow (7.5YR 6/6) right @ the water table, saturated below 7.5'					
	9						
	10						
	11						
	12						
	13						
	14						

HTW DRILLING LOG

HOLE NO. ~~5806~~ AOC2-~~DP06~~

PROJECT: AOC-2

INSPECTOR: Mark Mumby

SHEET ___ OF ___ SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	14	SC Clayey Sand 1A saturated.					
	15	Caliche lt brn gy (2.5Y 6/2) soft, wet, common intbd gyp crystals, sl sandy.					
	16						
	17						
	18	T.D. 18.0'					
	19						
	20						
	21						
	22						

APPENDIX C

HEADSPACE ANALYSES LOGS

BHATE

HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB01 Date Sampled: 5-20-04 Date Analyzed: 5-20-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB01	1.0	GRAB	PID 1.77 FID 0.10	NA	4.25	0.11	72°
SB01	2.0	GRAB	PID 1.77 FID 0.10	NA	5.31	0.11	72°
SB01	3.0	GRAB	PID 1.77 FID 0.10	NA	5.32	0.12	72°
SB01	4.0	GRAB	PID 1.77 FID 0.10	NA	11.58	0.27	72°
SB01	5.0	GRAB	PID 1.77 FID 0.10	NA	6.61	0.17	72°
SB01	6.0	GRAB	PID 1.77 FID 0.10	NA	5.13	0.22	72°
SB01	7.0	GRAB	PID 1.77 FID 0.10	NA	5.11	0.14	72°
SB01	8.0	GRAB	PID 1.77 FID 0.10	NA	4.08	0.17	72°
SB01	9.0	GRAB	PID 1.77 FID 0.10	NA	4.50	0.14	72°
SB01	10.0	GRAB	PID 1.77 FID 0.10	NA	3.15	0.13	72°
SB01	11.0	GRAB	PID 1.77 FID 0.10	NA	3.76	0.14	72°
SB01	12.0	GRAB	PID 1.77 FID 0.10	NA	NR	NR	72°
SB01	13.0	GRAB	PID 1.77 FID 0.10	NA	3.15	0.14	72°
SB01	14.0	GRAB	PID 1.77 FID 0.10	NA	3.62	0.15	72°
SB01	15.0	GRAB	PID 1.77 FID 0.10	NA	3.71	0.11	72°
SB01	16.0	GRAB	PID 1.77 FID 0.10	NA	3.21	0.13	72°
SB01	17.0	GRAB	PID 1.77 FID 0.10	NA	4.11	0.21	72°
SB01	18.0	GRAB	PID 1.77 FID 0.10	NA	4.20	0.18	72°
SB01	19.0	GRAB	PID 1.77 FID 0.10	NA	3.34	0.13	72°
SB01	20.0	GRAB	PID 1.77 FID 0.10	NA	4.73	0.15	72°
SB01	21.0	GRAB	PID 1.77 FID 0.10	NA	7.37	0.21	72°
SB01	22.0	GRAB	PID 1.77 FID 0.10	NA	5.67	0.14	72°

SB01	23.0	GRAB	PID 1.77 FID 0.10	NA	3.59	0.13	72°

NOTES:

1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
NA = Not Applicable
NMT = No Measurement Taken
NIR = No Instrument Response

BHATE

HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB02 Date Sampled: 5-21-04 Date Analyzed: 5-21-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB02	1.0	GRAB	PID 0.47 FID 0.06	NA	0.86	0.09	72°
SB02	2.0	GRAB	PID 0.47 FID 0.06	NA	0.99	0.07	72°
SB02	3.0	GRAB	PID 0.47 FID 0.06	NA	1.02	0.07	72°
SB02	4.0	GRAB	PID 0.47 FID 0.06	NA	1.25	0.08	72°
SB02	5.0	GRAB	PID 0.47 FID 0.06	NA	1.19	0.10	72°
SB02	6.0	GRAB	PID 0.47 FID 0.06	NA	1.27	0.08	72°
SB02	7.0	GRAB	PID 0.47 FID 0.06	NA	5.81	0.11	72°
SB02	8.0	GRAB	PID 0.47 FID 0.06	NA	9.68	0.12	72°
SB02	9.0	GRAB	PID 0.47 FID 0.06	NA	2.88	0.10	72°
SB02	10.0	GRAB	PID 0.47 FID 0.06	NA	1.30	0.08	72°
SB02	11.0	GRAB	PID 0.47 FID 0.06	NA	1.54	0.09	72°
SB02	12.0	GRAB	PID 0.47 FID 0.06	NA	2.53	0.12	72°
SB02	13.0	GRAB	PID 0.47 FID 0.06	NA	2.35	0.11	72°
SB02	14.0	GRAB	PID 0.47 FID 0.06	NA	4.69	0.13	72°
SB02	15.0	GRAB	PID 0.47 FID 0.06	NA	2.96	0.11	72°
SB02	16.0	GRAB	PID 0.47 FID 0.06	NA	2.28	0.12	72°
SB02	17.0	GRAB	PID 0.47 FID 0.06	NA	3.15	0.11	72°
SB02	18.0	GRAB	PID 0.47 FID 0.06	NA	2.34	0.11	72°
SB02	19.0	GRAB	PID 0.47 FID 0.06	NA	2.49	0.10	72°
SB02	20.0	GRAB	PID 0.47 FID 0.06	NA	5.29	0.12	72°
SB02	21.0	GRAB	PID 0.47 FID 0.06	NA	2.64	0.11	72°
SB02	22.0	GRAB	PID 0.47 FID 0.06	NA	2.99	0.11	72°

SB02	23.0	GRAB	PID 0.47 FID 0.06	NA	2.96	0.11	72°

NOTES:

1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
NA = Not Applicable
NMT = No Measurement Taken
NIR = No Instrument Response

BHATE

HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB03 Date Sampled: 5-21-04 Date Analyzed: 5-21-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB03	1.0	GRAB	PID 1.94 FID 0.11	NA	3.13	0.10	72°
SB03	2.0	GRAB	PID 1.94 FID 0.11	NA	3.81	0.12	72°
SB03	3.0	GRAB	PID 1.94 FID 0.11	NA	4.03	0.13	72°
SB03	4.0	GRAB	PID 1.94 FID 0.11	NA	4.01	0.11	72°
SB03	5.0	GRAB	PID 1.94 FID 0.11	NA	4.80	0.12	72°
SB03	6.0	GRAB	PID 1.94 FID 0.11	NA	3.53	0.14	72°
SB03	7.0	GRAB	PID 1.94 FID 0.11	NA	4.37	0.16	72°
SB03	8.0	GRAB	PID 1.94 FID 0.11	NA	3.63	0.12	72°
SB03	9.0	GRAB	PID 1.94 FID 0.11	NA	4.29	0.19	72°
SB03	10.0	GRAB	PID 1.94 FID 0.11	NA	3.61	0.13	72°
SB03	11.0	GRAB	PID 1.94 FID 0.11	NA	4.09	0.13	72°
SB03	12.0	GRAB	PID 1.94 FID 0.11	NA	4.83	0.16	72°
SB03	13.0	GRAB	PID 1.94 FID 0.11	NA	4.03	0.14	72°
SB03	14.0	GRAB	PID 1.94 FID 0.11	NA	3.79	0.12	72°
SB03	15.0	GRAB	PID 1.94 FID 0.11	NA	4.98	0.14	72°
SB03	16.0	GRAB	PID 1.94 FID 0.11	NA	3.92	0.14	72°
SB03	17.0	GRAB	PID 1.94 FID 0.11	NA	4.33	0.13	72°
SB03	18.0	GRAB	PID 1.94 FID 0.11	NA	5.40	0.13	72°
SB03	19.0	GRAB	PID 1.94 FID 0.11	NA	4.71	0.12	72°
SB03	20.0	GRAB	PID 1.94 FID 0.11	NA	3.74	0.13	72°

NOTES: 1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

NA = Not Applicable
NMT = No Measurement Taken
NIR = No Instrument Response

BHATE

HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB04 Date Sampled: 5-24-04 Date Analyzed: 5-24-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB04	1.0	GRAB	PID 1.25 FID 3.52	NA	1.33	3.51	72°
SB04	2.0	GRAB	PID 1.25 FID 3.52	NA	1.88	3.69	72°
SB04	3.0	GRAB	PID 1.25 FID 3.52	NA	2.02	3.84	72°
SB04	4.0	GRAB	PID 1.25 FID 3.52	NA	1.66	3.70	72°
SB04	5.0	GRAB	PID 1.25 FID 3.52	NA	1.71	3.80	72°
SB04	6.0	GRAB	PID 1.25 FID 3.52	NA	2.51	3.59	72°
SB04	7.0	GRAB	PID 1.25 FID 3.52	NA	2.46	3.6	72°
SB04	8.0	GRAB	PID 1.25 FID 3.52	NA	2.20	3.70	72°
SB04	9.0	GRAB	PID 1.25 FID 3.52	NA	2.60	3.89	72°
SB04	10.0	GRAB	PID 1.25 FID 3.52	NA	2.60	3.75	72°
SB04	11.0	GRAB	PID 1.25 FID 3.52	NA	2.57	3.61	72°
SB04	12.0	GRAB	PID 1.25 FID 3.52	NA	1.84	3.70	72°
SB04	13.0	GRAB	PID 1.25 FID 3.52	NA	2.88	3.95	72°
SB04	14.0	GRAB	PID 1.25 FID 3.52	NA	2.49	3.97	72°
SB04	15.0	GRAB	PID 1.25 FID 3.52	NA	2.35	3.62	72°
SB04	16.0	GRAB	PID 1.25 FID 3.52	NA	4.31	4.19	72°
SB04	17.0	GRAB	PID 1.25 FID 3.52	NA	2.99	4.05	72°
SB04	18.0	GRAB	PID 1.25 FID 3.52	NA	2.42	3.30	72°
SB04	19.0	GRAB	PID 1.25 FID 3.52	NA	2.38	3.31	72°
SB04	20.0	GRAB	PID 1.25 FID 3.52	NA	3.32	4.34	72°

NOTES: 1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

NA = Not Applicable
NMT = No Measurement Taken
NIR = No Instrument Response

BHATE

HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB05 Date Sampled: 5-25-04 Date Analyzed: 5-25-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB05	1.0	GRAB	PID 0.07 FID 3.96	NA	0.62	5.79	72°
SB05	2.0	GRAB	PID 0.07 FID 3.96	NA	0.60	6.09	72°
SB05	3.0	GRAB	PID 0.07 FID 3.96	NA	0.83	6.21	72°
SB05	4.0	GRAB	PID 0.07 FID 3.96	NA	1.13	6.76	72°
SB05	5.0	GRAB	PID 0.07 FID 3.96	NA	1.03	9.73	72°
SB05	6.0	GRAB	PID 0.07 FID 3.96	NA	1.06	10.33	72°
SB05	7.0	GRAB	PID 0.07 FID 3.96	NA	1.51	10.26	72°
SB05	8.0	GRAB	PID 0.07 FID 3.96	NA	1.69	11.07	72°
SB05	9.0	GRAB	PID 0.07 FID 3.96	NA	1.67	21.39	72°
SB05	10.0	GRAB	PID 0.07 FID 3.96	NA	2.24	23.62	72°
SB05	11.0	GRAB	PID 0.07 FID 3.96	NA	2.19	25.64	72°
SB05	12.0	GRAB	PID 0.07 FID 3.96	NA	2.68	23.35	72°
SB05	13.0	GRAB	PID 0.07 FID 3.96	NA	3.32	7.76	72°
SB05	14.0	GRAB	PID 0.07 FID 3.96	NA	3.44	5.53	72°
SB05	15.0	GRAB	PID 0.07 FID 3.96	NA	3.74	6.91	72°
SB05	16.0	GRAB	PID 0.07 FID 3.96	NA	3.32	9.13	72°
SB05	17.0	GRAB	PID 0.07 FID 3.96	NA	2.98	4.72	72°
SB05	18.0	GRAB	PID 0.07 FID 3.96	NA	2.87	8.35	72°
SB05	19.0	GRAB	PID 0.07 FID 3.96	NA	7.43	5.37	72°
SB05	20.0	GRAB	PID 0.07 FID 3.96	NA	5.26	6.92	72°

NOTES: 1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

NA = Not Applicable
NMT = No Measurement Taken
NIR = No Instrument Response

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HEADSPACE ANALYSES LOG

Project Number/Name: 9030024

Location: AOC2-SB06 Date Sampled: 5-25-04 Date Analyzed: 5-25-04

Analyst: G. Peters Instrument Used: TVA 1000

SAMPLE NUMBER	SAMPLE DEPTH (FT)	SAMPLE TYPE	BACKGROUND READING	WITHOUT CARBON FILTER	SAMPLE READING (PPM)[1]		AMBIENT AIR TEMP (°F)
					PID	FID	
SB06	1.0	GRAB	PID 2.99 FID 8.84	NA	2.97	6.03	72°
SB06	2.0	GRAB	PID 2.99 FID 8.84	NA	2.94	5.25	72°
SB06	3.0	GRAB	PID 2.99 FID 8.84	NA	2.93	4.99	72°
SB06	4.0	GRAB	PID 2.99 FID 8.84	NA	2.63	5.56	72°
SB06	5.0	GRAB	PID 2.99 FID 8.84	NA	2.76	5.00	72°
SB06	6.0	GRAB	PID 2.99 FID 8.84	NA	3.92	6.38	72°
SB06	7.0	GRAB	PID 2.99 FID 8.84	NA	2.96	5.30	72°
SB06	8.0	GRAB	PID 2.99 FID 8.84	NA	3.52	6.05	72°
SB06	9.0	GRAB	PID 2.99 FID 8.84	NA	5.13	5.63	72°
SB06	10.0	GRAB	PID 2.99 FID 8.84	NA	3.59	6.68	72°
SB06	11.0	GRAB	PID 2.99 FID 8.84	NA	3.46	7.91	72°
SB06	12.0	GRAB	PID 2.99 FID 8.84	NA	3.50	7.65	72°
SB06	13.0	GRAB	PID 2.99 FID 8.84	NA	3.62	6.70	72°
SB06	14.0	GRAB	PID 2.99 FID 8.84	NA	3.09	7.42	72°
SB06	15.0	GRAB	PID 2.99 FID 8.84	NA	2.83	7.51	72°
SB06	16.0	GRAB	PID 2.99 FID 8.84	NA	3.14	6.83	72°
SB06	17.0	GRAB	PID 2.99 FID 8.84	NA	3.20	7.57	72°

NOTES: 1PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
NA = Not Applicable

NMT = No Measurement Taken
NIR = No Instrument Response

APPENDIX D

MONITORING WELL SAMPLE COLLECTION FORMS

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW01~~ TW01	Date: 5/19/04
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Murnby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D. 1/8" I.D.	Other Equipment/ID#:	PPE Level: (X/D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 10.05'	Casing: Type ~~III~~ Sch 80 PVC Diam. (in) 1.00	Weather: Clear, Hot
	(B) Total Well Depth (ft BTOC): 19.0'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 9'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5/20/04	0830	11.05'	2.5L	.25GPM		Not	Taken				Fairly Clear, No odor
~~5/21/04~~	~~0816~~	~~AT~~	~~2.0L~~	~~.25GPM~~	~~19.44~~	~~7.24~~	~~20~~	~~29.3%~~		~~146.3~~	~~Fairly Clear, No odor~~

meet 6/21/04

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCL	N	8260A	VOCs
					2	1 Liter	Glass Amber	-	N	8270C	SVOCs
					1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
					2	1 Liter	Glass Amber	-	N	8081A	Pesticides
					3	1 Liter	Glass Amber	-	N	8330	Explosives
					3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
Conversions	Stabilization Criteria				1	500 ml	Plastic	-	N	300.1	Chloride
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2	-	500 ml	Plastic	-	N	300.1	Sulfate
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10	1	500 ml	Plastic	NaOH	N	9030B	Sulfide
	Cond	+/- 25	ORP	+/- 10	1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-MW01	Date: 5/19/04

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW01~~ Temp Well 02	Date: 5/24/04
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Mumby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D. 1/6" I.D.	Other Equipment/ID#:	PPE Level: X/D C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 12.47'	Casing: Type Sch 80 PVC Diam. (in) 1.00	Weather: Clear, Hot, Windy
	(B) Total Well Depth (ft BTOC): 23.0'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 10.53'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5/24/04	14:30	Not Taken	8 liters	<.25 GPM		Not Taken					Fairly Clear After Sediment
6/21/04	0816	Not Taken	2 gal.	<.25 GPM	19.44	7.24	20	29.39		NS.	~~Removed~~ Fairly Clear

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCL	N	8260A	VOCs
					2	1 Liter	Glass Amber	-	N	8270C	SVOCs
					1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
					2	1 Liter	Glass Amber	-	N	8081A	Pesticides
					3	1 Liter	Glass Amber	-	N	8330	Explosives
					3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
Conversions	**Stabilization Criteria**				1	500 ml	Plastic	-	N	300.1	Chloride
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2	-	500 ml	Plastic	-	N	300.1	Sulfate
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10	1	500 ml	Plastic	NaOH	N	9030B	Sulfide
	Cond	+/- 25	ORP	+/- 10	1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW01~~ TW02	Date: 5/24/04

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW04~~ TW03	Date:
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Mumby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D. 1/8" I.D.	Other Equipment/ID#:	PPE Level: X/D C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 11.36'	Casing: Type Sch 80 PVC Diam. (in) 1.00	Weather:
	(B) Total Well Depth (ft BTOC): 18.00'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 6.64'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
~~5/25/04~~											
5/21/04	12:30	11.36									
5/25/04	0915	Not Taken	Purging to Clean			Not Taken					Cleaned up v nice. Water
			10-12 L	<.25 GPM							fairly clean.
6/21/04	0850	Not Taken	20 L	<.25 GPM	20.89	7.30	17.0	27.99%		152.9	Clear water. looks Good.

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCL	N	8260A	VOCs
					2	1 Liter	Glass Amber	-	N	8270C	SVOCs
					1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
					2	1 Liter	Glass Amber	-	N	8081A	Pesticides
					3	1 Liter	Glass Amber	-	N	8330	Explosives
					3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
Conversions	**Stabilization Criteria**				1	500 ml	Plastic	-	N	300.1	Chloride
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2	-	500 ml	Plastic	-	N	300.1	Sulfate
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10	1	500 ml	Plastic	NaOH	N	9030B	Sulfide
	Cond	+/- 25	ORP	+/- 10	1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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LOCATION	Site: Holloman AFB, NM	Location ID: ~~AOC2-MW04~~ TW03	Date: 5/25/04

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW02~~ TW04	Date: 5/24/04
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Mumby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D 1/8" I.D.	Other Equipment/ID#:	PPE Level: (X/D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 11.0'	Casing: Type Sch 80 PVC Diam. (in) 1.00	Weather: Clear Hot, Windy
	(B) Total Well Depth (ft BTOC): 20.0'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 9.0'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO										
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5/24/04	15:15	11.00'	8 Liters	<.25GPM		Not	Taken				Sand Cleaned out, Fairly
6/21/04	10:25	Not Taken	20 L	<.25GPM	20.57	7.29	19.94	33.19a		131.2	Clear, Milky. / Clear on 6/21

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCL	N	8260A	VOCs
					2	1 Liter	Glass Amber	-	N	8270C	SVOCs
					1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
					2	1 Liter	Glass Amber	-	N	8081A	Pesticides
					3	1 Liter	Glass Amber	-	N	8330	Explosives
					3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
Conversions	**Stabilization Criteria**				1	500 ml	Plastic	-	N	300.1	Chloride
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2	-	500 ml	Plastic	-	N	300.1	Sulfate
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10	1	500 ml	Plastic	NaOH	N	9030B	Sulfide
	Cond	+/- 25	ORP	+/- 10	1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW02~~ TW04	Date: 5/24/04

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: ~~AOC2-MW03~~ TW05	Date: 5/25/04
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Mumby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D 1/8" I.D.	Other Equipment/ID#:	PPE Level: X/D C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 10.24'	Casing: Type Sch 80 PVC Diam. (in) 1.00	Weather:
	(B) Total Well Depth (ft BTOC): 20.0'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 9.76'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5/25/04	0800	10.24	12.15 L	<.25GPM	Not Taken						Cleaned up fairly well
6/21/04	1220	Not Taken	20 L	<.25GPM	22.34	7.37	1943	27.99%		86.6	Milky as in TW04 → Clean Water

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCL	N	8260A	VOCs
					2	1 Liter	Glass Amber	-	N	8270C	SVOCs
					1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
					2	1 Liter	Glass Amber	-	N	8081A	Pesticides
					3	1 Liter	Glass Amber	-	N	8330	Explosives
					3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
Conversions	**Stabilization Criteria**				1	500 ml	Plastic	-	N	300.1	Chloride
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2	-	500 ml	Plastic	-	N	300.1	Sulfate
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10	1	500 ml	Plastic	NaOH	N	9030B	Sulfide
	Cond	+/- 25	ORP	+/- 10	1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW03~~ TW05	Date: 5/25/04

MONITORING WELL SAMPLE COLLECTION FORM

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LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW05~~ TW06	Date: 5/25/04
	Project Name: AOC-2	Project No./Phase: 9030024.01.02.04	Recorded By: M. Mumby & J. Tucker
EQUIPMENT	Pump Mod/ID#: Peristaltic	Water Quality Meter/ID#: MOD 600 QS/03D0291	PID Mod/ID#: TVA 1000/72044-370
	Water Level Marker Mod/ID: HERON/09601	Other Equipment/ID#:	Decon Method:
	Tubing Type/Diameter (in): 1/4" O.D 1/8" I.D.	Other Equipment/ID#:	PPE Level: X/D C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 11.99'	Casing: Type Sch 80 PVC Diam. (in) 1.00	Weather: Cloudy, Cool
	(B) Total Well Depth (ft BTOC): 18.0'	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 6.01'	Screen Length (lin ft): 5.00	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Sch 80 PVC Size: 0.02	Well Opening PID (ppm):

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (gal)	Pumping Rate (gpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5/25/04	0915	11.99'	13 L	<.25 GPM	Not	Taken					Not Pumping Any Sediment
6/21/04											Clarity is quite milky
											Will provide a decent sample
6/21/04	13:20	Not Taken	20 L	<.25GPM	24.37	7.23	23.44	29.2%		79.7	Milky

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCL	N	8260A	VOCs
2	1 Liter	Glass Amber	-	N	8270C	SVOCs
1	250 ml	Plastic	HNO3	N	6010B/7470A	TAL Metals
2	1 Liter	Glass Amber	-	N	8081A	Pesticides
3	1 Liter	Glass Amber	-	N	8330	Explosives
3	40 ml	VOAs	HCL	N	RSK-175	Methane, Ethane, Ethene
1	500 ml	Plastic	-	N	300.1	Chloride
-	500 ml	Plastic	-	N	300.1	Sulfate
1	500 ml	Plastic	NaOH	N	9030B	Sulfide
1	250 ml	Plastic	-	N	300.1	Nitrate/Nitrite

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Page _____ of _____

LOCATION	Site: Holloman AFB, NM	Location ID: AOC2-~~MW05~~ TW06	Date: 5/25/04

1_multipart_xF8FF_2_AOC-2[1].RPT
AOC-2.DAT
-- Data Report --

From 09/12/05 11:29 to 09/13/05 10:15
Number of samples: 36

DateTime M/D/Y	Temp C	SpCond mS/cm	Cond mS/cm	TDS g/L	DO % %	DO Conc mg/L	Charge	pH	pHmV mV	ORP mV	Site
09/12/05 11:29	22.09	12.670	11.970	8.236	38.1	3.19	46	7.19	-70.4	-181	6
09/12/05 11:41	22.24	25.980	24.610	16.890	38.0	3.02	45	6.96	-59.1	-160	6
09/12/05 11:54	22.30	25.680	24.360	16.690	51.9	4.12	46	6.77	-50.6	-136	6
09/12/05 12:00	22.25	25.430	24.090	16.530	50.1	3.99	46	6.72	-47.9	-104	6
09/12/05 12:07	22.17	25.410	24.040	16.520	52.9	4.21	46	6.67	-45.7	-78	6
09/12/05 12:20	22.15	25.440	24.050	16.530	57.4	4.57	46	6.66	-45.0	-60	6
09/12/05 12:28	20.04	24.220	21.930	15.740	42.9	3.57	44	6.93	-58.1	-39	2
09/12/05 12:34	19.32	24.020	21.410	15.610	47.7	4.03	44	6.85	-54.0	-26	2
09/12/05 12:40	19.06	23.980	21.260	15.590	48.9	4.16	44	6.79	-51.6	14	2
09/12/05 12:47	19.04	23.910	21.190	15.540	57.1	4.86	45	6.75	-49.6	37	2
09/12/05 12:53	19.02	23.910	21.180	15.540	54.5	4.64	44	6.74	-48.9	51	2
09/12/05 12:58	19.06	23.900	21.190	15.530	53.5	4.55	44	6.72	-48.2	62	2
09/12/05 13:03	20.01	35.560	32.170	23.110	37.7	3.00	43	6.33	-29.8	83	1
09/12/05 13:09	20.00	35.700	32.290	23.210	43.1	3.43	43	6.23	-25.2	78	1
09/12/05 13:20	20.40	36.290	33.100	23.590	52.3	4.12	44	6.17	-22.1	73	1
09/12/05 13:31	20.40	37.900	34.570	24.640	53.7	4.20	45	6.18	-22.9	75	1
09/12/05 13:42	20.35	38.990	35.530	25.340	61.4	4.79	45	6.18	-22.7	79	1
09/12/05 13:50	20.35	39.070	35.590	25.390	62.6	4.88	45	6.20	-23.6	80	1
09/13/05 07:10	20.33	20.970	19.100	13.630	42.7	3.58	43	6.76	-50.1	-231	3
09/13/05 07:22	20.21	19.650	17.850	12.770	41.7	3.53	43	6.72	-48.3	-199	3
09/13/05 07:32	20.09	19.460	17.630	12.650	39.3	3.34	42	6.72	-48.1	-164	3
09/13/05 07:44	20.12	19.450	17.640	12.640	40.4	3.42	42	6.72	-48.1	-139	3
09/13/05 07:54	20.10	19.450	17.630	12.640	39.7	3.36	42	6.71	-47.8	-123	3
09/13/05 08:05	20.19	19.450	17.660	12.640	36.1	3.06	42	6.71	-47.7	-105	3
09/13/05 08:12	20.35	21.260	19.370	13.820	38.7	3.24	41	6.78	-50.8	-175	5
09/13/05 08:18	20.67	21.210	19.460	13.790	40.8	3.39	42	6.75	-49.5	-122	5
09/13/05 08:24	20.50	21.250	19.420	13.810	42.2	3.52	42	6.73	-48.7	-106	5
09/13/05 08:29	20.58	21.230	19.440	13.800	41.8	3.49	42	6.73	-48.4	-106	5
09/13/05 08:34	20.61	21.190	19.410	13.770	46.5	3.88	42	6.72	-48.1	-72	5
09/13/05 08:40	20.49	21.240	19.410	13.810	40.7	3.40	41	6.72	-48.2	-33	5
09/13/05 09:03	20.14	22.650	20.550	14.720	42.1	3.52	41	6.87	-55.3	64	4
09/13/05 09:15	20.01	22.760	20.590	14.790	39.6	3.32	41	6.83	-53.1	65	4
09/13/05 09:31	19.81	22.820	20.550	14.830	40.8	3.43	41	6.79	-51.2	54	4
09/13/05 09:46	19.35	22.880	20.410	14.870	43.1	3.66	41	6.74	-49.2	-123	4
09/13/05 10:01	19.30	22.890	20.400	14.880	43.6	3.70	41	6.73	-48.5	-113	4
09/13/05 10:15	19.56	22.880	20.500	14.870	47.4	4.01	42	6.73	-48.8	-74	4

APPENDIX E

SURVEY DATA

Points

Project : AOC2 (Investigation)

User name	Dave	**Date & Time**	1:51:39 PM 9/29/2004
Coordinate System	US State Plane 1983	**Zone**	New Mexico Central 3002
Project Datum	NAD 1983 (Conus)		
Vertical Datum		**Geoid Model**	GEOID03 (Conus)
Coordinate Units	US survey feet		
Distance Units	US survey feet		
Height Units	US survey feet		

Point listing

Name	Northing	Easting	Elevation	Feature Code
TW05	674740.811	1683595.018	4066.937	EAST
TW02	674770.238	1683547.567	4066.984	NORTH
TW04	674726.886	1683558.301	4065.810	CNTR
TW01	674726.101	1683500.266	4066.645	WEST
TW03	674689.133	1683560.325	4066.358	SOUTH
TW06	674628.61	1683484.021	4066.444	F. SOUTH

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APPENDIX F

ANALYTICAL DATA FORM I PACKAGES

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Peltry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129829
REPORTED 06/01/2004
RECEIVED 05/22/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523066	AOC2-SB03-3
523067	AOC2-SB03-9
523068	Trip Blanks
523069	Laboratory Method Blank-S
523097	Laboratory Method Blank-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523066 **Client Sample ID:** AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.12	1	1.0	0.62	mg/Kg	05/26/04 KN
6010B	Barium	22.8	1	1.0	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.5	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	1.99	1	1.0	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.5	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.0	0.55	mg/Kg	05/26/04 KN
6010B	Silver	0.702	1	0.5	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523066 **Client Sample ID**: AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523066 **Client Sample ID:** AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	64	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	49	%	30 - 115
8270C	2-Fluorophenol (sur)	64	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	55	%	23 - 120
8270C	Phenol-d5 (sur)	67	%	24 - 113
8270C	Terphenyl-d14 (sur)	81	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523066 **Client Sample ID:** AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523066 **Client Sample ID:** AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates						Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	97				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	140 S				%	70 - 135
8260B	Surr3 - Toluene-d8	101				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	106				%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/25/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/25/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/25/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523066 **Client Sample ID:** AOC2-SB03-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/25/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/25/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/25/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/25/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	76	%	50 - 145
8082	DCB(Sur)	108	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/25/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/25/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/25/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID:** AOC2-SB03-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	3.45	1	1.0	0.62	mg/Kg	05/26/04 KN
6010B	Barium	17.6	1	1.0	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	0.063 J	1	0.5	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	3.03	1	1.0	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.5	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.0	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.5	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID:** AOC2-SB03-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID** AOC2-SB03-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	61	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	46	%	30 - 115
8270C	2-Fluorophenol (sur)	61	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	51	%	23 - 120
8270C	Phenol-d5 (sur)	66	%	24 - 113
8270C	Terphenyl-d14 (sur)	89	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID:** AOC2-SB03-9

Matrix: SOLID

te Sampled: 05/21/2004
ie Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID**: AOC2-SB03-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	94	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	126	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	105	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/26/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/26/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/26/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523067 **Client Sample ID:** AOC2-SB03-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 13:45

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/26/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/26/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/26/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/26/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	76	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523068 **Client Sample ID:** Trip Blanks

Matrix: WATER

Date Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523068 **Client Sample ID**: Trip Blanks

Matrix: WATER

Date Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523068 **Client Sample ID**: Trip Blanks

Matrix: WATER

Date Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	114	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	125	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	115	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	ND	1	1.00	0.62	mg/Kg	05/26/04 KN
6010B	Barium	ND	1	1.00	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.50	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	ND	1	1.00	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.50	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.00	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.50	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID:** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

= Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	56	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	40	%	30 - 115
8270C	2-Fluorophenol (sur)	54	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	50	%	23 - 120
8270C	Phenol-d5 (sur)	56	%	24 - 113
8270C	Terphenyl-d14 (sur)	69	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	99	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	112	%	70 - 135
8260B	Surr3 - Toluene-d8	98	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/25/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/25/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/25/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523069 **Client Sample ID** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/25/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/25/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/25/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/25/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	72	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/25/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/25/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/25/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523097 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523097 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523097 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	116	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	112	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129661-325

Analysis Date: May 26, 2004 2:32 AM

Applies to: LR 129834, 129835, 129829, 129884, 129541, 129656, 129657, 129658, 129659, 129660, LR 129661, 129662, 129663, 129667, 129773

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	63.67	128	127	0	22	59-172
MTBE	ND	50	51.59	48.84	103	98	5	24	62-137
Benzene	ND	50	50.73	49.75	101	100	2	24	62-137
Trichloroethene	ND	50	50.75	54.34	102	109	7	21	66-142
Toluene	ND	50	48.34	50.17	97	100	4	21	59-139
Chlorobenzene	ND	50	48.42	49.55	97	99	2	21	60-133

QC Sample: LCS 2:50 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	128	59-172
MTBE	ND	50	46.75	94	62-137
Benzene	ND	50	49.08	98	62-137
Trichloroethene	ND	50	54.72	109	66-142
Toluene	ND	50	50.74	101	59-139
Chlorobenzene	ND	50	50.31	101	60-133

QC Sample: LCS 3:37 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	56.48	113	59-172
MTBE	ND	50	49.15	98	62-137
Benzene	ND	50	48.79	98	62-137
loroethene	ND	50	52.79	106	66-142
luene	ND	50	48.84	98	59-139
Chlorobenzene	ND	50	48.23	96	60-133

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129667-331

Analysis Date: May 26, 2004 8:00 AM

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	57.69	50.64	115	101	13	22	59-172
MTBE	ND	50	52.03	52.54	104	105	1	24	62-137
Benzene	ND	50	50.24	48.91	100	98	3	24	62-137
Trichloroethene	ND	50	53.12	55.74	106	111	5	21	66-142
Toluene	ND	50	46.68	48.49	93	97	4	21	59-139
Chlorobenzene	ND	50	46.30	48.28	93	97	4	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	MS	MSD	LCS
DBFM	112	110	112	112	111	115	115	110
1,2-DCA	116	112	111	107	102	114	112	106
Tol-d8	104	105	98	100	102	95	99	100
p-BFB	112	112	105	105	108	104	106	109

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129829-523066 QC# 052404SO3

Matrix: SOLID

Prep. Date: May 24, 2004

Analysis Date: May 26, 2004

ID#'s in Batch: LR 129824, 129829, 129835, 129834, 129654

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6010	4.12		94	96	105	98	107	9
Se	6010	1.00	U	94	85	93	90	99	9
Tl	6010	1.00	U	94	86	94	91	100	9
Pb	6010	0.50	U	94	88	96	94	102	9
Sb	6010	3.00	U	94	85	95	90	101	11
Ba	6010	22.80		94	115	124	98	108	8
Be	6010	0.50	U	94	93	97	99	103	4
Cd	6010	0.50	U	94	90	98	96	104	9
Cr	6010	1.99		94	90	96	94	100	6
Co	6010	0.50	U	94	87	98	93	104	12
Cu	6010	1.31		94	105	110	110	116	5
Mo	6010	1.62		94	99	108	104	113	9
Ni	6010	1.93		94	88	97	92	101	10
Ag	6010	0.70		47	42	41	88	86	2
V	6010	4.59		94	99	106	100	107	7
Zn	6010	4.65		94	91	99	92	100	8

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

							Method Blank	
Element	**Method**	**Result**	**TRUE**	**%Rec**	**L.Limit**	**H.Limit**	**MB**	**ND**
Ag	6010	101	100	101	80%	120%	0.50	U
As	6010	165	200	83	80%	120%	1.00	U
Ba	6010	191	200	96	80%	120%	1.00	U
Be	6010	207	200	104	80%	120%	0.50	U
Cd	6010	202	200	101	80%	120%	0.50	U
Co	6010	201	200	101	80%	120%	0.50	U
Cr	6010	197	200	99	80%	120%	1.00	U
Cu	6010	192	200	96	80%	120%	1.00	U
Mo	6010	200	200	100	80%	120%	1.00	U
Ni	6010	198	200	99	80%	120%	1.50	U
Pb	6010	186	200	93	80%	120%	0.50	U
Sb	6010	202	200	101	80%	120%	3.00	U
Se	6010	199	200	100	80%	120%	1.00	U
Tl	6010	194	200	97	80%	120%	1.00	U
V	6010	200	200	100	80%	120%	1.00	U
Zn	6010	201	200	101	80%	120%	5.00	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129829-523066

Matrix: SOIL

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129829, 129834, 129835, 129824, 129691, 129654

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.75	0.83	0.80	111	107	4

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.92	0.79	116	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : EPA 8270/625

p. Method : 3545

QC Sample: MS/MSD 129497-719

Matrix: SOLID

Date Extracted : May 24, 2004

Date Analyzed : May 26, 2004

Applies to: LR 129829, 129834, 129835, 129774, 129824

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	34	32	68	64	6	42	6-117
2-Chorophenol	ND	50	32	31	64	62	3	35	28-100
1,4-Dichlorobenzene	ND	50	33	32	66	64	3	36	39-92
n-Nitroso-di-n-propylamine	ND	50	39	34	78	68	14	42	5-149
1,2,4-Trichlorobenzene	ND	50	31	31	62	62	0	41	41-97
4-Chloro-3-methylphenol	ND	50	36	31	72	62	15	37	26-117
aphthene	ND	50	36	36	72	72	0	41	46-113
4-Nitrophenol	ND	50	32	32	64	64	0	73	53-143
2,4-Dinitrotoluene	ND	50	42	41	84	82	2	43	82-125
Pentachlorophenol	ND	50	36	36	72	72	0	52	25-187
Pyrene	ND	50	49	48	98	96	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	29	58	17-99
2-Clorophenol	ND	50	29	58	28-88
1,4-Dichlorobenzene	ND	50	29	58	33-89
n-Nitroso-di-n-propylamine	ND	50	30	60	9-130
1,2,4-Trichlorobenzene	ND	50	27	54	25-92
4-Cloro-3-methylphenol	ND	50	31	62	27-96
Acenaphthene	ND	50	30	60	31-101
4-Nitrophenol	ND	50	27	54	8-123
2,4-Dinitrotoluene	ND	50	38	76	27-139
chlorophenol	ND	50	27	54	0-151
Pyrene	ND	50	44	88	34-127

Method Blank = All ND

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129829-523006

Matrix: SOLID

Analysis Date: 5/29/04

Batch Date: 5/24/04 (herb 052404s)

Applies to: LR 129654, LR 129697, LR 129829, LR 129834 and LR 129835

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC
			MS	MSD	MS	MSD		RPD
2,4-D	ND	0.200	0.179	0.143	89	72	22	35
,5-TP (Silvex)	ND	0.200	0.180	0.173	90	86	4	35

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.163	82	55-140
2,4,5-TP (Silvex)	0.200	0.183	92	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

Limits
% Rec
45-145
50-140

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129829-523066

Matrix: SOLID

Analysis Date: 5/26/04

Batch Date: 5/25/04 (pcb 052504s)

Applies to: LR 129829, LR 129834, LR 129835, LR 129866, LR 129884 and LR 129898

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.530	0.504	106	101	5	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
`D = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.483	97	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129835, 129834, 129829, 129871, 129884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	29.0	31.1	116	124	7

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

REPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.1	25	76	70%	130%
LCSD	ND	19.4	25	78	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	121
MSD	159
Method Blank	107
LCS	125
LCSD	127

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Soil Samples

Analysis Date: May 23, 2004 6:50 AM

Applies to: LR 129835, 129829

Reporting Units = ug/Kg

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	56.83	55.21	114	110	3	22	59-172
MTBE	ND	50	52.56	63.68	105	127	19	24	62-137
Benzene	ND	50	54.45	56.11	109	112	3	24	62-137
Trichloroethene	ND	50	51.88	51.03	104	102	2	21	66-142
Toluene	ND	50	51.55	52.15	103	104	1	21	59-139
Chlorobenzene	ND	50	51.62	53.21	103	106	3	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	LCS	LCSD
DBFM	92	110	98
1,2-DCA	122	109	110
Tol-d8	105	100	98
p-BFB	109	106	101

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

129829

Page 1 of 1

Project Number: 9050024

Chain of Custody Number [1]: 52120043

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (30 Character Max)	ERPIMS LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B 7471A	HEIDS 8151B	PCB 8082			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-SB03-3	AOC2	21052004	1330	3' - 3'	N	1	SO	6	/	/	/	/	/	/					3
AOC2-SB03-9	AOC2	21052004	1345	9' - 9'	N	1	SO	6	/	/	/	/	/	/					3
TRIP BLANKS				-				2	/										3
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: FED EX # 845705831926
PLEASE FAX RESULTS TO 505-679-2148
PLEASE EMAIL PDF FILE TO HOLLSMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	5-21-2004	1600	1. [signature]	5/22/04	10:30
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FEDEX Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-a) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples. MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129834
REPORTED 06/01/2004
RECEIVED 05/22/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523085	AOC2-SB02-3
523086	AOC2-SB02-9
523087	Trip Blanks
523088	Laboratory Method Blank-S
523089	Laboratory Method Blank-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523085 **Client Sample ID** AOC2-SB02-3

Matrix: SOLID

te Sampled: 05/21/2004
ıe Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	0.61 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	23.6	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	5.42	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.77 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523085 **Client Sample ID:** AOC2-SB02-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523085 **Client Sample ID** AOC2-SB02-3

Matrix: SOLID

te Sampled: 05/21/2004
ie Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	55	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	43	%	30 - 115
8270C	2-Fluorophenol (sur)	55	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	47	%	23 - 120
8270C	Phenol-d5 (sur)	57	%	24 - 113
8270C	Terphenyl-d14 (sur)	80	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523085 **Client Sample ID:** AOC2-SB02-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523085 **Client Sample ID:** AOC2-SB02-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	91	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	125	%	70 - 135
8260B	Surr3 - Toluene-d8	101	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	104	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/26/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/26/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/26/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523085 **Client Sample ID:** AOC2-SB02-3

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/26/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/26/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/26/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/26/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	75	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID:** AOC2-SB02-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	0.78 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	13.6	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	1.24 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	0.53 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID:** AOC2-SB02-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID:** AOC2-SB02-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	60	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	48	%	30 - 115
8270C	2-Fluorophenol (sur)	63	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	56	%	23 - 120
8270C	Phenol-d5 (sur)	65	%	24 - 113
8270C	Terphenyl-d14 (sur)	79	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID** AOC2-SB02-9

Matrix: SOLID

te Sampled: 05/21/2004
ne Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID:** AOC2-SB02-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	97	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	128	%	70 - 135
8260B	Surr3 - Toluene-d8	100	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	107	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/26/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/26/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/26/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523086 **Client Sample ID**: AOC2-SB02-9

Matrix: SOLID

Date Sampled: 05/21/2004
Time Sampled: 12:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/26/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/26/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/26/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/26/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	78	%	50 - 145
8082	DCB(Sur)	114	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523087 **Client Sample ID**: Trip Blanks

Matrix: WATER

te Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523087 **Client Sample ID**: Trip Blanks

Matrix: WATER

te Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523087 **Client Sample ID:** Trip Blanks

Matrix: WATER

te Sampled: 05/21/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	113	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	120	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	116	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID:** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	56	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	40	%	30 - 115
8270C	2-Fluorophenol (sur)	54	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	50	%	23 - 120
8270C	Phenol-d5 (sur)	56	%	24 - 113
8270C	Terphenyl-d14 (sur)	69	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID:** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	99	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	112	%	70 - 135
8260B	Surr3 - Toluene-d8	98	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/25/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/25/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/25/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523088 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/25/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/25/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/25/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/25/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	72	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/25/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/25/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/25/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523089 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523089 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523089 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	116	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	112	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129955-523717 QC# 052704SO10

Matrix: SOLID

Prep. Date: May 27, 2004

Analysis Date: May 28, 2004

Lab ID#'s in Batch: LR 129866, 129837, 129954, 129955, 129960, 129576, 129834

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6020	1.84		92.6	96.7	99.4	102	105	3
Ba	6020	19.20		92.6	115.0	118.0	103	107	3
Cd	6020	0.50	U	92.6	97.3	100.0	105	108	3
Cr	6020	2.34		92.6	102.0	98.9	108	104	3
Pb	6020	1.30		92.6	102.0	106.0	109	113	4
Se	6020	0.50	U	92.6	97.6	99.5	105	107	2
Ag	* 6020	0.50	U	46.3	30.8	36.3	67	78	16

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
As	6020	183	200	92	80%	120%	0.5	U
Ba	6020	192	200	96	80%	120%	0.5	U
Cd	6020	200	200	100	80%	120%	0.5	U
Cr	6020	202	200	101	80%	120%	0.5	U
Pb	6020	209	200	105	80%	120%	0.5	U
Se	6020	200	200	100	80%	120%	0.5	U
Ag	6020	101	100	101	80%	120%	0.5	U

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129829-523066

Matrix: SOIL

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129829, 129834, 129835, 129824, 129691, 129654

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.75	0.83	0.80	111	107	4

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.92	0.79	116	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270/625

Prep. Method : 3545

QC Sample: MS/MSD 129497-719

Matrix: SOLID

Date Extracted : May 24, 2004

Date Analyzed : May 26, 2004

Applies to: LR 129829, 129834, 129835, 129774, 129824

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	34	32	68	64	6	42	6-117
2-Chorophenol	ND	50	32	31	64	62	3	35	28-100
1,4-Dichlorobenzene	ND	50	33	32	66	64	3	36	39-92
n-Nitroso-di-n-propylamine	ND	50	39	34	78	68	14	42	5-149
1,2,4-Trichlorobenzene	ND	50	31	31	62	62	0	41	41-97
4-Chloro-3-methylphenol	ND	50	36	31	72	62	15	37	26-117
Acenaphthene	ND	50	36	36	72	72	0	41	46-113
4-Nitrophenol	ND	50	32	32	64	64	0	73	53-143
2,4-Dinitrotoluene	ND	50	42	41	84	82	2	43	82-125
Pentachlorophenol	ND	50	36	36	72	72	0	52	25-187
Pyrene	ND	50	49	48	98	96	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	29	58	17-99
2-Clorophenol	ND	50	29	58	28-88
1,4-Dichlorobenzene	ND	50	29	58	33-89
n-Nitroso-di-n-propylamine	ND	50	30	60	9-130
1,2,4-Trichlorobenzene	ND	50	27	54	25-92
4-Cloro-3-methylphenol	ND	50	31	62	27-96
Acenaphthene	ND	50	30	60	31-101
4-Nitrophenol	ND	50	27	54	8-123
2,4-Dinitrotoluene	ND	50	38	76	27-139
Pentachlorophenol	ND	50	27	54	0-151
Pyrene	ND	50	44	88	34-127

Method Blank = All ND

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129661-325

Analysis Date: May 26, 2004 2:32 AM

Applies to: LR 129834, 129835, 129829, 129884, 129541, 129656, 129657, 129658, 129659, 129660, LR 129661, 129662, 129663, 129667, 129773

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	63.67	128	127	0	22	59-172
MTBE	ND	50	51.59	48.84	103	98	5	24	62-137
Benzene	ND	50	50.73	49.75	101	100	2	24	62-137
Trichloroethene	ND	50	50.75	54.34	102	109	7	21	66-142
Toluene	ND	50	48.34	50.17	97	100	4	21	59-139
Chlorobenzene	ND	50	48.42	49.55	97	99	2	21	60-133

QC Sample: LCS 2:50 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	128	59-172
MTBE	ND	50	46.75	94	62-137
Benzene	ND	50	49.08	98	62-137
Trichloroethene	ND	50	54.72	109	66-142
Toluene	ND	50	50.74	101	59-139
Chlorobenzene	ND	50	50.31	101	60-133

QC Sample: LCS 3:37 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	56.48	113	59-172
MTBE	ND	50	49.15	98	62-137
Benzene	ND	50	48.79	98	62-137
loroethene	ND	50	52.79	106	66-142
luene	ND	50	48.84	98	59-139
Chlorobenzene	ND	50	48.23	96	60-133

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129667-331

Analysis Date: May 26, 2004 8:00 AM

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	57.69	50.64	115	101	13	22	59-172
MTBE	ND	50	52.03	52.54	104	105	1	24	62-137
Benzene	ND	50	50.24	48.91	100	98	3	24	62-137
Trichloroethene	ND	50	53.12	55.74	106	111	5	21	66-142
Toluene	ND	50	46.68	48.49	93	97	4	21	59-139
Chlorobenzene	ND	50	46.30	48.28	93	97	4	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	MS	MSD	LCS
DBFM	112	110	112	112	111	115	115	110
1,2-DCA	116	112	111	107	102	114	112	106
Tol-d8	104	105	98	100	102	95	99	100
p-BFB	112	112	105	105	108	104	106	109

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Soil Samples

Analysis Date: May 23, 2004 6:50 AM

Applies to: LR 129835, 129829, 129834

Reporting Units = ug/Kg

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	56.83	55.21	114	110	3	22	59-172
MTBE	ND	50	52.56	63.68	105	127	19	24	62-137
Benzene	ND	50	54.45	56.11	109	112	3	24	62-137
Trichloroethene	ND	50	51.88	51.03	104	102	2	21	66-142
Toluene	ND	50	51.55	52.15	103	104	1	21	59-139
Chlorobenzene	ND	50	51.62	53.21	103	106	3	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	LCS	LCSD
DBFM	92	110	98
1,2-DCA	122	109	110
Tol-d8	105	100	98
p-BFB	109	106	101

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129829-523006

Matrix: SOLID

Analysis Date: 5/29/04

Batch Date: 5/24/04 (herb 052404s)

Applies to: LR 129654, LR 129697, LR 129829, LR 129834 and LR 129835

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC
			MS	MSD	MS	MSD		RPD
2,4-D	ND	0.200	0.179	0.143	89	72	22	35
,5-TP (Silvex)	ND	0.200	0.180	0.173	90	86	4	35

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.163	82	55-140
2,4,5-TP (Silvex)	0.200	0.183	92	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

Limits
% Rec
45-145
0-140

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129829-523066

Matrix: SOLID

Analysis Date: 5/26/04

Batch Date: 5/25/04 (pcb 052504s)

Applies to: LR 129829, LR 129834, LR 129835, LR 129866, LR 129884 and LR 129898

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.530	0.504	106	101	5	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.483	97	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129835, 129834, 129829, 129871, 129884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	29.0	31.1	116	124	7

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.1	25	76	70%	130%
LCSD	ND	19.4	25	78	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	121
MSD	159
Method Blank	107
LCS	125
LCSD	127

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129829-523066 QC# 052404SO3

Matrix: SOLID

Prep. Date: May 24, 2004

Analysis Date: May 26, 2004

ID#'s in Batch: LR 129824, 129829, 129835, 129834, 129654

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6010	4.12		94	96	105	98	107	9
Se	6010	1.00	U	94	85	93	90	99	9
Tl	6010	1.00	U	94	86	94	91	100	9
Pb	6010	0.50	U	94	88	96	94	102	9
Sb	6010	3.00	U	94	85	95	90	101	11
Ba	6010	22.80		94	115	124	98	108	8
Be	6010	0.50	U	94	93	97	99	103	4
Cd	6010	0.50	U	94	90	98	96	104	9
Cr	6010	1.99		94	90	96	94	100	6
Co	6010	0.50	U	94	87	98	93	104	12
Cu	6010	1.31		94	105	110	110	116	5
Mo	6010	1.62		94	99	108	104	113	9
Ni	6010	1.93		94	88	97	92	101	10
Ag	6010	0.70		47	42	41	88	86	2
V	6010	4.59		94	99	106	100	107	7
Zn	6010	4.65		94	91	99	92	100	8

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	6010	101	100	101	80%	120%	0.50	U
As	6010	165	200	83	80%	120%	1.00	U
Ba	6010	191	200	96	80%	120%	1.00	U
Be	6010	207	200	104	80%	120%	0.50	U
Cd	6010	202	200	101	80%	120%	0.50	U
Co	6010	201	200	101	80%	120%	0.50	U
Cr	6010	197	200	99	80%	120%	1.00	U
Cu	6010	192	200	96	80%	120%	1.00	U
Mo	6010	200	200	100	80%	120%	1.00	U
Ni	6010	198	200	99	80%	120%	1.50	U
Pb	6010	186	200	93	80%	120%	0.50	U
Sb	6010	202	200	101	80%	120%	3.00	U
e	6010	199	200	100	80%	120%	1.00	U
Tl	6010	194	200	97	80%	120%	1.00	U
V	6010	200	200	100	80%	120%	1.00	U
Zn	6010	201	200	101	80%	120%	5.00	U

*Notes : RESULT = Sample Result: TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

BHATE

Environmental Engineers and Scientists

Project Number: 3050024

Chain of Custody and Analytical Request

129834

Chain of Custody Number [1]: 52120042

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (20 Character Max)	ERPIMS LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B 7471A	HERBICIDES 8151A	PCB 8082			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-SB02-3	AOC2	21052004	1210	3' - 3'	N	1	SO	6	/	/	/	/	/	/					2
AOC2-SB02-9	AOC2	21052004	1220	9' - 9'	N	1	SO	6	/	/	/	/	/	/					2
TRIP BLANKS								2	/										2

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: FEDEX.# 845705831915
PLEASE FAX RESULTS TO 505-679-2148
PLEASE EMAIL PDF FILE TO HELLMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	5-21-04	1600	1. [signature]	5/22/04	10:50
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: FEDEX. Airbill Number:

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SB = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129835
REPORTED 06/01/2004
RECEIVED 05/22/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523090	AOC2-SB01-3 3'-3
523091	AOC2-SB01-9 9'-9'
523092	Trip Blanks
523093	Laboratory Method Blank-S
523094	Laboratory Method Blank-W
523104	AOC2-SB01-3 2'-4'
523105	

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523090 **Client Sample ID** AOC2-SB01-3 3'-3

Matrix: SOLID

ate Sampled: 05/20/2004
e Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523090 **Client Sample ID** AOC2-SB01-3 3'-3

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523090 **Client Sample ID:** AOC2-SB01-3 3'-3

Matrix: SOLID

ate Sampled: 05/20/2004
ie Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	95	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	132	%	70 - 135
8260B	Surr3 - Toluene-d8	101	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	103	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523091 **Client Sample ID:** AOC2-SB01-9 9'-9'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523091 **Client Sample ID**: AOC2-SB01-9 9'-9'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523091 **Client Sample ID**: AOC2-SB01-9 9'-9'

Matrix: SOLID

Date Sampled: 05/20/2004
ıe Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	95	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	131	%	70 - 135
8260B	Surr3 - Toluene-d8	100	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	104	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523092 **Client Sample ID** Trip Blanks

Matrix: WATER

ate Sampled: 05/20/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523092 **Client Sample ID**: Trip Blanks

Matrix: WATER

Date Sampled: 05/20/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523092 **Client Sample ID:** Trip Blanks

Matrix: WATER

Date Sampled: 05/20/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	120	%	70 - 135
8260B	Surr3 - Toluene-d8	101	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	113	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	ND	1	1.00	0.62	mg/Kg	05/26/04 KN
6010B	Barium	ND	1	1.00	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.50	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	ND	1	1.00	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.50	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.00	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.50	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	56				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	40				%	30 - 115
8270C	2-Fluorophenol (sur)	54				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	50				%	23 - 120
8270C	Phenol-d5 (sur)	56				%	24 - 113
8270C	Terphenyl-d14 (sur)	69				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/23/04 DP
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/23/04 DP
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/23/04 DP
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/23/04 DP
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/23/04 DP
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/23/04 DP
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/23/04 DP
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/23/04 DP
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/23/04 DP
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/23/04 DP
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/23/04 DP
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/23/04 DP
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/23/04 DP
8260B	Acrolein	ND	1	200	172	ug/Kg	05/23/04 DP
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/23/04 DP
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/23/04 DP
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/23/04 DP
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/23/04 DP
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/23/04 DP
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/23/04 DP
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/23/04 DP
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/23/04 DP
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/23/04 DP
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/23/04 DP
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/23/04 DP
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/23/04 DP
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/23/04 DP
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/23/04 DP
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/23/04 DP
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/23/04 DP
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/23/04 DP
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/23/04 DP
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/23/04 DP
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/23/04 DP
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/23/04 DP
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/23/04 DP
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/23/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/23/04 DP
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/23/04 DP
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/23/04 DP
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/23/04 DP
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/23/04 DP
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/23/04 DP
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/23/04 DP
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/23/04 DP
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/23/04 DP
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/23/04 DP
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/23/04 DP
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/23/04 DP
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/23/04 DP
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/23/04 DP
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/23/04 DP
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/23/04 DP
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/23/04 DP
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/23/04 DP

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	99	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	112	%	70 - 135
8260B	Surr3 - Toluene-d8	98	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/26/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/26/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/26/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523093 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/26/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/26/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/26/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/26/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	78	%	50 - 145
8082	DCB(Sur)	109	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/25/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/25/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/25/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523094 **Client Sample ID:** Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523094 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523094 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	116	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	112	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523104 **Client Sample ID**: AOC2-SB01-3 2'-4'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	3.52	1	1.00	0.62	mg/Kg	05/26/04 KN
6010B	Barium	13.6	1	1.00	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.50	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	1.44	1	1.00	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.50	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.00	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.50	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523104 **Client Sample ID** AOC2-SB01-3 2'-4'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523104 **Client Sample ID:** AOC2-SB01-3 2'-4'

Matrix: SOLID

ate Sampled: 05/20/2004
ie Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	57	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	35	%	30 - 115
8270C	2-Fluorophenol (sur)	52	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	54	%	23 - 120
8270C	Phenol-d5 (sur)	55	%	24 - 113
8270C	Terphenyl-d14 (sur)	81	%	18 - 137

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/26/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/26/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/26/04 RB
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/26/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/26/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/26/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/26/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	79	%	50 - 145
8082	DCB(Sur)	106	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523104 **Client Sample ID:** AOC2-SB01-3 2'-4'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523105 **Client Sample ID:** AOC2-SB01-9 8'-10'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	3.22	1	1.00	0.62	mg/Kg	05/26/04 KN
6010B	Barium	30.1	1	1.00	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.50	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	4.13	1	1.00	0.14	mg/Kg	05/26/04 KN
6010B	Lead	0.64	1	0.50	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.00	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.50	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/25/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/26/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/26/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/26/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523105 **Client Sample ID** AOC2-SB01-9 8'-10'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/26/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/26/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/26/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/26/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/26/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/26/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/26/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/26/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523105 **Client Sample ID** AOC2-SB01-9 8'-10'

Matrix: SOLID

ate Sampled: 05/20/2004
ie Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/26/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/26/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	59	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	38	%	30 - 115
8270C	2-Fluorophenol (sur)	64	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	61	%	23 - 120
8270C	Phenol-d5 (sur)	64	%	24 - 113
8270C	Terphenyl-d14 (sur)	82	%	18 - 137

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/29/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/29/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/29/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/29/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/29/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/29/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/29/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/29/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/29/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/29/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/25/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/25/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/25/04 RB
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/25/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/25/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/25/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/25/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	72	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523105 **Client Sample ID:** AOC2-SB01-9 8'-10'

Matrix: SOLID

Date Sampled: 05/20/2004
Time Sampled: 16:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM

'lethod : EPA 8270/625

.p. Method : 3545

QC Sample: MS/MSD 129497-719

Matrix: SOLID

Date Extracted : May 24, 2004

Date Analyzed : May 26, 2004

Applies to: LR 129829, 129834, 129835, 129774, 129824

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	34	32	68	64	6	42	6-117
2-Chorophenol	ND	50	32	31	64	62	3	35	28-100
1,4-Dichlorobenzene	ND	50	33	32	66	64	3	36	39-92
n-Nitroso-di-n-propylamine	ND	50	39	34	78	68	14	42	5-149
1,2,4-Trichlorobenzene	ND	50	31	31	62	62	0	41	41-97
4-Chloro-3-methylphenol	ND	50	36	31	72	62	15	37	26-117
;aphthene	ND	50	36	36	72	72	0	41	46-113
4-Nitrophenol	ND	50	32	32	64	64	0	73	53-143
2,4-Dinitrotoluene	ND	50	42	41	84	82	2	43	82-125
Pentachlorophenol	ND	50	36	36	72	72	0	52	25-187
Pyrene	ND	50	49	48	98	96	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	29	58	17-99
2-Clorophenol	ND	50	29	58	28-88
1,4-Dichlorobenzene	ND	50	29	58	33-89
n-Nitroso-di-n-propylamine	ND	50	30	60	9-130
1,2,4-Trichlorobenzene	ND	50	27	54	25-92
4-Cloro-3-methylphenol	ND	50	31	62	27-96
Acenaphthene	ND	50	30	60	31-101
4-Nitrophenol	ND	50	27	54	8-123
2,4-Dinitrotoluene	ND	50	38	76	27-139
chlorophenol	ND	50	27	54	0-151
'yrene	ND	50	44	88	34-127

Method Blank = All ND
6/4/2004

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129661-325

Analysis Date: May 26, 2004 2:32 AM

Applies to: LR 129834, 129835, 129829, 129884, 129541, 129656, 129657, 129658, 129659, 129660, LR 129661, 129662, 129663, 129667, 129773

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	63.67	128	127	0	22	59-172
MTBE	ND	50	51.59	48.84	103	98	5	24	62-137
Benzene	ND	50	50.73	49.75	101	100	2	24	62-137
Trichloroethene	ND	50	50.75	54.34	102	109	7	21	66-142
Toluene	ND	50	48.34	50.17	97	100	4	21	59-139
Chlorobenzene	ND	50	48.42	49.55	97	99	2	21	60-133

QC Sample: LCS 2:50 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	128	59-172
MTBE	ND	50	46.75	94	62-137
Benzene	ND	50	49.08	98	62-137
Trichloroethene	ND	50	54.72	109	66-142
Toluene	ND	50	50.74	101	59-139
Chlorobenzene	ND	50	50.31	101	60-133

QC Sample: LCS 3:37 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	56.48	113	59-172
MTBE	ND	50	49.15	98	62-137
Benzene	ND	50	48.79	98	62-137
[illegible]hloroethene	ND	50	52.79	106	66-142
[illegible]uene	ND	50	48.84	98	59-139
Chlorobenzene	ND	50	48.23	96	60-133

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129667-331

Analysis Date: May 26, 2004 8:00 AM

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	57.69	50.64	115	101	13	22	59-172
MTBE	ND	50	52.03	52.54	104	105	1	24	62-137
Benzene	ND	50	50.24	48.91	100	98	3	24	62-137
Trichloroethene	ND	50	53.12	55.74	106	111	5	21	66-142
Toluene	ND	50	46.68	48.49	93	97	4	21	59-139
Chlorobenzene	ND	50	46.30	48.28	93	97	4	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	MS	MSD	LCS
DBFM	112	110	112	112	111	115	115	110
1,2-DCA	116	112	111	107	102	114	112	106
Tol-d8	104	105	98	100	102	95	99	100
p-BFB	112	112	105	105	108	104	106	109

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

)C Sample: LCS/LCSD - Soil Samples

. ıalysis Date: May 23, 2004 6:50 AM

Applies to: LR 129835, 129829, 129834

Reporting Units = ug/Kg

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	56.83	55.21	114	110	3	22	59-172
MTBE	ND	50	52.56	63.68	105	127	19	24	62-137
Benzene	ND	50	54.45	56.11	109	112	3	24	62-137
Trichloroethene	ND	50	51.88	51.03	104	102	2	21	66-142
Toluene	ND	50	51.55	52.15	103	104	1	21	59-139
Chlorobenzene	ND	50	51.62	53.21	103	106	3	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	LCS	LCSD
DBFM	92	110	98
1,2-DCA	122	109	110
Tol-d8	105	100	98
p-BFB	109	106	101

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129835

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129835, 129834, 129829, 129871, 129884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	29.0	31.1	116	124	7

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.1	25	76	70%	130%
LCSD	ND	19.4	25	78	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	121
MSD	159
Method Blank	107
LCS	125
LCSD	127

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129829-523066

Matrix: SOIL

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129829, 129834, 129835, 129824, 129691, 129654

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.75	0.83	0.80	111	107	4

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.92	0.79	116	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129829-523006

Matrix: SOLID

Analysis Date: 5/29/04

Batch Date: 5/24/04 (herb 052404s)

Applies to: LR 129654, LR 129697, LR 129829, LR 129834 and LR 129835

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC
			MS	MSD	MS	MSD		RPD
2,4-D	ND	0.200	0.179	0.143	89	72	22	35
,5-TP (Silvex)	ND	0.200	0.180	0.173	90	86	4	35

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.163	82	55-140
2,4,5-TP (Silvex)	0.200	0.183	92	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

Limits
% Rec
45-145
0-140

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129829-523066

Matrix: SOLID

Analysis Date: 5/26/04

Batch Date: 5/25/04 (pcb 052504s)

Applies to: LR 129829, LR 129834, LR 129835, LR 129866, LR 129884 and LR 129898

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.530	0.504	106	101	5	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.483	97	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129829-523066 QC# 052404SO3

Matrix: SOLID

Prep. Date: May 24, 2004

Analysis Date: May 26, 2004

ID#'s in Batch: LR 129824, 129829, 129835, 129834, 129654

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6010	4.12		94	96	105	98	107	9
Se	6010	1.00	U	94	85	93	90	99	9
Tl	6010	1.00	U	94	86	94	91	100	9
Pb	6010	0.50	U	94	88	96	94	102	9
Sb	6010	3.00	U	94	85	95	90	101	11
Ba	6010	22.80		94	115	124	98	108	8
Be	6010	0.50	U	94	93	97	99	103	4
Cd	6010	0.50	U	94	90	98	96	104	9
Cr	6010	1.99		94	90	96	94	100	6
Co	6010	0.50	U	94	87	98	93	104	12
Cu	6010	1.31		94	105	110	110	116	5
Mo	6010	1.62		94	99	108	104	113	9
Ni	6010	1.93		94	88	97	92	101	10
Ag	6010	0.70		47	42	41	88	86	2
V	6010	4.59		94	99	106	100	107	7
Zn	6010	4.65		94	91	99	92	100	8

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

							Method Blank	
Element	**Method**	**Result**	**TRUE**	**%Rec**	**L.Limit**	**H.Limit**	**MB**	**ND**
Ag	6010	101	100	101	80%	120%	0.50	U
As	6010	165	200	83	80%	120%	1.00	U
Ba	6010	191	200	96	80%	120%	1.00	U
Be	6010	207	200	104	80%	120%	0.50	U
Cd	6010	202	200	101	80%	120%	0.50	U
Co	6010	201	200	101	80%	120%	0.50	U
Cr	6010	197	200	99	80%	120%	1.00	U
Cu	6010	192	200	96	80%	120%	1.00	U
Mo	6010	200	200	100	80%	120%	1.00	U
Ni	6010	198	200	99	80%	120%	1.50	U
Pb	6010	186	200	93	80%	120%	0.50	U
Sb	6010	202	200	101	80%	120%	3.00	U
e	6010	199	200	100	80%	120%	1.00	U
Tl	6010	194	200	97	80%	120%	1.00	U
V	6010	200	200	100	80%	120%	1.00	U
Zn	6010	201	200	101	80%	120%	5.00	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: BHate Project: _____

Date Cooler Received: 5/22/04 Date Cooler Opened: 5/22/04

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 3.0° *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: [signature] Date: 5/22/04

BHATE

Environmental Engineers and Scientists

129835

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 52120041

LIMS Number:

Facility/Base I.D.: HOLMN.

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (20 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B/7471A	HERBICIDES 8151A	PCB 8082			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-SB01-3	AOC2	20052004	1600	3' - 3'	N	1	SO	3	/										1
AOC2-SB01-9			1610	9' - 9'	N	1	SO	3	/										1
TRIP BLANKS				0' - 0'				2	/										1
AOC2-SB01-3			1600	2' - 4'	N	1	SO	3		/	/	/	/	/					1
AOC2-SB01-9	AOC2	20052004	1610	8' - 10'	N	1	SO	3		/	/	/	/	/					1
								6											1

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: FEDEX# 845705831720
PLEASE FAX RESULTS TO 505-679-2148
PLEASE EMAIL PDF FILE TO HOLLOMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received By (signed)	Date	Time
1. GARRETT PETERS	5-21-2004	1600	1. [signature]	5/22/04	10:45
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129884
REPORTED 06/01/2004
RECEIVED 05/25/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523312	AOC2-SB04-3
523313	AOC2-SB04-9
523314	Trip Blanks
523315	Laboratory Method Blanks-S
523316	Laboratory Method Blanks-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523312 **Client Sample ID** AOC2-SB04-3

Matrix: SOLID

ıte Sampled: 05/24/2004
ıme Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.91	1	1.0	0.62	mg/Kg	05/26/04 KN
6010B	Barium	26.1	1	1.0	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.5	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	2.04	1	1.0	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.5	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.0	0.55	mg/Kg	05/26/04 KN
6010B	Silver	0.860	1	0.5	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/26/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523312 **Client Sample ID**: AOC2-SB04-3

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523312 **Client Sample ID:** AOC2-SB04-3

Matrix: SOLID

ıte Sampled: 05/24/2004
.ime Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	52	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	54	%	30 - 115
8270C	2-Fluorophenol (sur)	60	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	50	%	23 - 120
8270C	Phenol-d5 (sur)	61	%	24 - 113
8270C	Terphenyl-d14 (sur)	78	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523312 **Client Sample ID:** AOC2-SB04-3

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/25/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/25/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/25/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/25/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/25/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/25/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/25/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/25/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523312 **Client Sample ID:** AOC2-SB04-3

Matrix: SOLID

ıte Sampled: 05/24/2004
ıime Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/25/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	98	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
8260B	Surr3 - Toluene-d8	99	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	111	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/30/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/30/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/30/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/30/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/30/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/30/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/30/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/30/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/30/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/30/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523312 **Client Sample ID:** AOC2-SB04-3

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 12:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	70	%	50 - 145
8082	DCB(Sur)	117	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID:** AOC2-SB04-9

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	3.50	1	1.0	0.62	mg/Kg	05/26/04 KN
6010B	Barium	36.3	1	1.0	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.5	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	5.69	1	1.0	0.14	mg/Kg	05/26/04 KN
6010B	Lead	0.428 J	1	0.5	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.0	0.55	mg/Kg	05/26/04 KN
6010B	Silver	1.60	1	0.5	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/26/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID:** AOC2-SB04-9

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID:** AOC2-SB04-9

Matrix: SOLID

ate Sampled: 05/24/2004
ime Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	56	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	54	%	30 - 115
8270C	2-Fluorophenol (sur)	60	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	48	%	23 - 120
8270C	Phenol-d5 (sur)	59	%	24 - 113
8270C	Terphenyl-d14 (sur)	72	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID:** AOC2-SB04-9

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/25/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/25/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/25/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/25/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/25/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/25/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/25/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/25/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID:** AOC2-SB04-9

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/25/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	97	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114	%	70 - 135
8260B	Surr3 - Toluene-d8	97	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/30/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/30/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/30/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/30/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/30/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/30/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/30/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/30/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/30/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/30/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523313 **Client Sample ID**: AOC2-SB04-9

Matrix: SOLID

Date Sampled: 05/24/2004
Time Sampled: 13:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	76	%	50 - 145
8082	DCB(Sur)	111	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/26/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/26/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/26/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523314 **Client Sample ID**: Trip Blanks

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523314 **Client Sample ID:** Trip Blanks

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523314 **Client Sample ID**: Trip Blanks

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	114	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	117	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	113	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID**: Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	ND	1	1.00	0.62	mg/Kg	05/26/04 KN
6010B	Barium	ND	1	1.00	0.05	mg/Kg	05/26/04 KN
6010B	Cadmium	ND	1	0.50	0.06	mg/Kg	05/26/04 KN
6010B	Chromium	ND	1	1.00	0.14	mg/Kg	05/26/04 KN
6010B	Lead	ND	1	0.50	0.16	mg/Kg	05/26/04 KN
6010B	Selenium	ND	1	1.00	0.55	mg/Kg	05/26/04 KN
6010B	Silver	ND	1	0.50	0.12	mg/Kg	05/26/04 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/26/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID**: Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID**: Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	55	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	51	%	30 - 115
8270C	2-Fluorophenol (sur)	61	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	49	%	23 - 120
8270C	Phenol-d5 (sur)	67	%	24 - 113
8270C	Terphenyl-d14 (sur)	65	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID:** Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/25/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/25/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/25/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/25/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/25/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/25/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/25/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/25/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID:** Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/25/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/25/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/25/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/25/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	105	%	70 - 135
8260B	Surr3 - Toluene-d8	100	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	108	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	05/30/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	05/30/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	05/30/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	05/30/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	05/30/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	05/30/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	05/30/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	05/30/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	05/30/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	05/30/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/25/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/25/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/25/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523315 **Client Sample ID**: Laboratory Method Blanks-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/25/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/25/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/25/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/25/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	73	%	50 - 145
8082	DCB(Sur)	110	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/25/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/25/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/25/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523316 **Client Sample ID**: Laboratory Method Blanks-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/25/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/25/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/25/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/25/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/25/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/25/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/25/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/25/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/25/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/25/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/25/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/25/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/25/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/25/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/25/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/25/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/25/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/25/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/25/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523316 **Client Sample ID**: Laboratory Method Blanks-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/25/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/25/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/25/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/25/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/25/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/25/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/25/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/25/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/25/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/25/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/25/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/25/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/25/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/25/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/25/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/25/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/25/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/25/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/25/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/25/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/25/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/25/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/25/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/25/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/25/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/25/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/25/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523316 **Client Sample ID**: Laboratory Method Blanks-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/25/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/25/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/25/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/25/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/25/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/25/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	116	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	112	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129884-523312

Matrix: SOLID

Analysis Date: 5/30/04

Batch Date: 5/25/04 (herb 052504s)

Applies to: LR 129866 and LR 129884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	0.200	0.149	0.151	74	76	2	35	45-145
,4,5-TP (Silvex)	ND	0.200	0.192	0.194	96	97	1	35	50-140

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.141	71	55-140
2,4,5-TP (Silvex)	0.200	0.203	101	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129691-522462 QC# 052504SO2

Matrix: SOLID

Prep. Date: May 25, 2004

Analysis Date: May 26, 2004

ID#'s in Batch: LR 129696, 129697, 129691, 129824, 129858, 129884

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6010	3.17		96	97	94	98	95	3
Se	6010	1.00	U	96	92	90	96	94	2
Tl	6010	1.00	U	96	88	85	92	89	3
Pb	6010	8.90		96	103	101	98	96	2
Sb	6010	3.00	U	96	86	83	90	86	4
Ba	6010	120.00		96	228	227	113	111	0
Be	6010	0.86		96	93	92	96	95	1
Cd	6010	0.50	U	96	106	104	110	108	2
Cr	6010	12.30		96	112	108	104	100	4
Co	6010	6.80		96	100	100	97	97	0
Cu	6010	10.50		96	110	109	104	103	1
Mo	6010	2.00		96	103	100	105	102	3
Ni	6010	8.48		96	101	99	96	94	2
Ag	6010	0.50	U	48	53	52	110	108	2
V	6010	28.90		96	132	131	107	99	1
Zn	6010	75.90		96	176	172	104	100	2
Fe	6010	14,400.00		96	14,700	14,600	NC	NC	1

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

							Method Blank	
Element	**Method**	**Result**	**TRUE**	**%Rec**	**L.Limit**	**H.Limit**	**MB**	**ND**
Ag	6010	107	100	107	80%	120%	0.50	U
As	6010	163	200	82	80%	120%	1.00	U
Ba	6010	210	200	105	80%	120%	1.00	U
Be	6010	198	200	99	80%	120%	0.50	U
Cd	6010	221	200	111	80%	120%	0.50	U
Co	6010	213	200	107	80%	120%	0.50	U
Cr	6010	211	200	106	80%	120%	1.00	U
Cu	6010	200	200	100	80%	120%	1.00	U
Fe	6010	220	200	110	80%	120%	5.00	U
Mo	6010	216	200	108	80%	120%	1.00	U
Ni	6010	213	200	107	80%	120%	1.50	U
Pb	6010	211	200	106	80%	120%	0.50	U
Sb	6010	205	200	103	80%	120%	3.00	U
Se	6010	210	200	105	80%	120%	1.00	U
Tl	6010	202	200	101	80%	120%	1.00	U
V	6010	213	200	107	80%	120%	1.00	U
Zn	6010	215	200	108	80%	120%	5.00	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129884-523312

Matrix: SOIL

Prep. Date: May 26, 2004

Analysis Date: May 26, 2004

ID#'s in Batch: LR 129884, 129837

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.78	0.83	0.79	106	101	5

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.86	0.80	108	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : EPA 8270/625

Prep. Method : 3545

QC Sample: MS/MSD 129955-717

Matrix: SOLID

Date Extracted : May 26, 2004

Date Analyzed : May 27, 2004

Applies to: LR 129955, 129894, 129884, 129954

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	31	33	62	66	6	42	6-117
2-Chorophenol	ND	50	33	35	66	70	6	35	28-100
1,4-Dichlorobenzene	ND	50	33	35	66	70	6	36	39-92
n-Nitroso-di-n-propylamine	ND	50	31	38	62	76	20	42	5-149
1,2,4-Trichlorobenzene	ND	50	32	33	64	66	3	41	41-97
4-Chloro-3-methylphenol	ND	50	34	33	68	66	3	37	26-117
Acenaphthene	ND	50	36	37	72	74	3	41	46-113
4-Nitrophenol	ND	50	35	33	70	66	6	73	53-143
2,4-Dinitrotoluene	ND	50	43	41	86	82	5	43	82-125
Pentachlorophenol	ND	50	37	37	74	74	0	52	25-187
Pyrene	ND	50	41	40	82	80	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	30	60	17-99
2-Clorophenol	ND	50	31	62	28-88
1,4-Dichlorobenzene	ND	50	31	62	33-89
n-Nitroso-di-n-propylamine	ND	50	34	68	9-130
1,2,4-Trichlorobenzene	ND	50	29	58	25-92
4-Cloro-3-methylphenol	ND	50	30	60	27-96
Acenaphthene	ND	50	32	64	31-101
4-Nitrophenol	ND	50	26	52	8-123
2,4-Dinitrotoluene	ND	50	33	66	27-139
Pentachlorophenol	ND	50	22	44	0-151
Pyrene	ND	50	35	70	34-127

Method Blank = All ND

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

C Sample: LCS/LCSD - Soil Samples

Analysis Date: May 25, 2004 2:09 PM

Applies to: LR 129781, 129780, 129691, 129824, 129884, 129872, 129875

Reporting Units = ug/Kg

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.77	49.82	100	100	0	22	59-172
MTBE	ND	50	47.05	48.36	94	97	3	24	62-137
Benzene	ND	50	52.97	52.20	106	104	1	24	62-137
Trichloroethene	ND	50	54.65	56.01	109	112	2	21	66-142
Toluene	ND	50	52.88	54.58	106	109	3	21	59-139
Chlorobenzene	ND	50	54.24	54.69	108	109	1	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	LCS	LCSD
DBFM	96	95	97	99
1,2-DCA	105	108	100	99
Tol-d8	100	103	100	98
p-BFB	108	111	112	111

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

C Sample: MS / MSD - Water Samples 129661-325

Analysis Date: May 26, 2004 2:32 AM

Applies to: LR 129834, 129835, 129829, 129884, 129541, 129656, 129657, 129658, 129659, 129660, LR 129661, 129662, 129663, 129667, 129773

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	63.67	128	127	0	22	59-172
MTBE	ND	50	51.59	48.84	103	98	5	24	62-137
Benzene	ND	50	50.73	49.75	101	100	2	24	62-137
Trichloroethene	ND	50	50.75	54.34	102	109	7	21	66-142
Toluene	ND	50	48.34	50.17	97	100	4	21	59-139
Chlorobenzene	ND	50	48.42	49.55	97	99	2	21	60-133

QC Sample: LCS 2:50 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	63.95	128	59-172
MTBE	ND	50	46.75	94	62-137
Benzene	ND	50	49.08	98	62-137
Trichloroethene	ND	50	54.72	109	66-142
Toluene	ND	50	50.74	101	59-139
Chlorobenzene	ND	50	50.31	101	60-133

QC Sample: LCS 3:37 PM
Analysis Date: May 25, 2004

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	56.48	113	59-172
MTBE	ND	50	49.15	98	62-137
Benzene	ND	50	48.79	98	62-137
Trichloroethene	ND	50	52.79	106	66-142
Toluene	ND	50	48.84	98	59-139
Chlorobenzene	ND	50	48.23	96	60-133

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 129667-331

Analysis Date: May 26, 2004 8:00 AM

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	57.69	50.64	115	101	13	22	59-172
MTBE	ND	50	52.03	52.54	104	105	1	24	62-137
Benzene	ND	50	50.24	48.91	100	98	3	24	62-137
Trichloroethene	ND	50	53.12	55.74	106	111	5	21	66-142
Toluene	ND	50	46.68	48.49	93	97	4	21	59-139
Chlorobenzene	ND	50	46.30	48.28	93	97	4	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	MS	MSD	LCS
DBFM	112	110	112	112	111	115	115	110
1,2-DCA	116	112	111	107	102	114	112	106
Tol-d8	104	105	98	100	102	95	99	100
p-BFB	112	112	105	105	108	104	106	109

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129829-523066

Matrix: SOLID

Analysis Date: 5/26/04

Batch Date: 5/25/04 (pcb 052504s)

Applies to: LR 129829, LR 129834, LR 129835, LR 129866, LR 129884 and LR 129898

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.530	0.504	106	101	5	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.483	97	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 25, 2004

Analysis Date: May 25, 2004

ID#'s in Batch: LR 129835, 129834, 129829, 129871, 129884

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	29.0	31.1	116	124	7

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.1	25	76	70%	130%
LCSD	ND	19.4	25	78	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	121
MSD	159
Method Blank	107
LCS	125
LCSD	127

BHATE

Environmental Engineers and Scientists

129884

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: J030024

Chain of Custody Number [1]: 52424041

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (30 Character Max)	ERPIMS LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B 7471A	HERBICIDES 8151A	PCB 8082			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-SB04-3	AOC2	24-05-2004	1240	3' - 3'	N	1	SO	6	/	/	/	/	/	/					1
AOC2-SB04-9	AOC2	24-05-2004	1300	9' - 9'	N	1	SO	6	/	/	/	/	/	/					1
TRIP BLANKS				-				2	/										
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															

Sample Analysis Requested [5]

Quality Assurance Samples [6]

COMMENTS: FED EX # 8457058 3904
PLEASE ~~EMAIL~~ RESULTS TO 505-679-2148
PLEASE EMAIL PDF FILE TO HOLMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	5-24-2004	1400	1. [signature]	5/25	10:30
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX. Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-s) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129954
REPORTED 06/03/2004
RECEIVED 05/26/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523710	AOC2-SB05-3
523711	AOC2-SB05-3-a
523712	AOC2-SB05-9
523713	AOC2-SB05-9-a
523714	Trip Blank
523715	Laboratory Method Blank-S
525298	Laboratory Method Blank-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523710 **Client Sample ID**: AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
ıe Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.04 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	26.7	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	2.24 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.24 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523710 **Client Sample ID**: AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523710 **Client Sample ID**: AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
ıe Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	57	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	51	%	30 - 115
8270C	2-Fluorophenol (sur)	57	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	46	%	23 - 120
8270C	Phenol-d5 (sur)	58	%	24 - 113
8270C	Terphenyl-d14 (sur)	81	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523710 **Client Sample ID:** AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
ıe Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523710 **Client Sample ID:** AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	98	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
8260B	Surr3 - Toluene-d8	99	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	106	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/02/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/02/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/02/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/02/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/02/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/02/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/02/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/02/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/02/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/02/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523710 **Client Sample ID**: AOC2-SB05-3

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	73	%	50 - 145
8082	DCB(Sur)	97	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/28/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/28/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/28/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID**: AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.06 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	23.5	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	2.18 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.08 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID**: AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID:** AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	60				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	59				%	30 - 115
8270C	2-Fluorophenol (sur)	70				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	54				%	23 - 120
8270C	Phenol-d5 (sur)	67				%	24 - 113
8270C	Terphenyl-d14 (sur)	80				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID**: AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID:** AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	97	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	111	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/02/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/02/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/02/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/02/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/02/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/02/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/02/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/02/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/02/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/02/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523711 **Client Sample ID**: AOC2-SB05-3-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	51	%	50 - 145
8082	DCB(Sur)	97	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/28/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/28/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/28/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID**: AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.31 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	32.8	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	3.99 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.89 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID**: AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID**: AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	58	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	52	%	30 - 115
8270C	2-Fluorophenol (sur)	59	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	47	%	23 - 120
8270C	Phenol-d5 (sur)	59	%	24 - 113
8270C	Terphenyl-d14 (sur)	74	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID:** AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID**: AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	98	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	111	%	70 - 135
8260B	Surr3 - Toluene-d8	97	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	111	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/02/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/02/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/02/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/02/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/02/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/02/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/02/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/02/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/02/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/02/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523712 **Client Sample ID:** AOC2-SB05-9

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	64	%	50 - 145
8082	DCB(Sur)	96	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/28/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/28/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/28/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID:** AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.20 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	28.7	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	3.30 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.54 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID**: AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID**: AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	66	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	59	%	30 - 115
8270C	2-Fluorophenol (sur)	64	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	50	%	23 - 120
8270C	Phenol-d5 (sur)	62	%	24 - 113
8270C	Terphenyl-d14 (sur)	74	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID:** AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID:** AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	108	%	70 - 135
8260B	Surr3 - Toluene-d8	100	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	108	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/02/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/02/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/02/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/02/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/02/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/02/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/02/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/02/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/02/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/02/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523713 **Client Sample ID:** AOC2-SB05-9-a

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 11:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	56	%	50 - 145
8082	DCB(Sur)	97	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/28/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/28/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/28/04 AF

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523714 **Client Sample ID**: Trip Blank

Matrix: WATER

Date Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/28/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/28/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/28/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/28/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/28/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523714 **Client Sample ID**: Trip Blank

Matrix: WATER

Date Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/28/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/28/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523714 **Client Sample ID**: Trip Blank

Matrix: WATER

Date Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	115	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	106	%	70 - 135

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	55	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	51	%	30 - 115
8270C	2-Fluorophenol (sur)	61	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	49	%	23 - 120
8270C	Phenol-d5 (sur)	67	%	24 - 113
8270C	Terphenyl-d14 (sur)	65	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	95	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	106	%	70 - 135
8260B	Surr3 - Toluene-d8	101	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	110	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/01/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/01/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/01/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/01/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/01/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/01/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/01/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/01/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/01/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/01/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523715 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	66	%	50 - 145
8082	DCB(Sur)	101	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/27/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/27/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/27/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525298 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/28/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/28/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/28/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/28/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/28/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/28/04 AM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525298 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/28/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/28/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525298 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
⟶ Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129955-523717 QC# 052704SO10

Matrix: SOLID

Prep. Date: May 27, 2004

Analysis Date: May 28, 2004

Lab ID#'s in Batch: LR 129866, 129837, 129954, 129955, 129960, 129576, 129834

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6020	1.84		92.6	96.7	99.4	102	105	3
Ba	6020	19.20		92.6	115.0	118.0	103	107	3
Cd	6020	0.50	U	92.6	97.3	100.0	105	108	3
Cr	6020	2.34		92.6	102.0	98.9	108	104	3
Pb	6020	1.30		92.6	102.0	106.0	109	113	4
Se	6020	0.50	U	92.6	97.6	99.5	105	107	2
Ag	* 6020	0.50	U	46.3	30.8	36.3	67	78	16

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
As	6020	183	200	92	80%	120%	0.5	U
Ba	6020	192	200	96	80%	120%	0.5	U
Cd	6020	200	200	100	80%	120%	0.5	U
Cr	6020	202	200	101	80%	120%	0.5	U
Pb	6020	209	200	105	80%	120%	0.5	U
Se	6020	200	200	100	80%	120%	0.5	U
Ag	6020	101	100	101	80%	120%	0.5	U

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129955-523717

Matrix: SOIL

Prep. Date: May 27, 2004

Analysis Date: May 27, 2004

ID#'s in Batch: LR 129955, 129954

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.79	0.76	0.76	96	96	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.83	0.77	108	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : EPA 8270/625

Prep. Method : 3545

QC Sample: MS/MSD 129955-717

Matrix: SOLID

Date Extracted : May 26, 2004

Date Analyzed : May 27, 2004

Applies to: LR 129955, 129894, 129884, 129954

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	31	33	62	66	6	42	6-117
2-Chorophenol	ND	50	33	35	66	70	6	35	28-100
1,4-Dichlorobenzene	ND	50	33	35	66	70	6	36	39-92
n-Nitroso-di-n-propylamine	ND	50	31	38	62	76	20	42	5-149
1,2,4-Trichlorobenzene	ND	50	32	33	64	66	3	41	41-97
4-Chloro-3-methylphenol	ND	50	34	33	68	66	3	37	26-117
Acenaphthene	ND	50	36	37	72	74	3	41	46-113
4-Nitrophenol	ND	50	35	33	70	66	6	73	53-143
2,4-Dinitrotoluene	ND	50	43	41	86	82	5	43	82-125
Pentachlorophenol	ND	50	37	37	74	74	0	52	25-187
Pyrene	ND	50	41	40	82	80	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	30	60	17-99
2-Clorophenol	ND	50	31	62	28-88
1,4-Dichlorobenzene	ND	50	31	62	33-89
n-Nitroso-di-n-propylamine	ND	50	34	68	9-130
1,2,4-Trichlorobenzene	ND	50	29	58	25-92
4-Cloro-3-methylphenol	ND	50	30	60	27-96
Acenaphthene	ND	50	32	64	31-101
4-Nitrophenol	ND	50	26	52	8-123
2,4-Dinitrotoluene	ND	50	33	66	27-139
Pentachlorophenol	ND	50	22	44	0-151
Pyrene	ND	50	35	70	34-127

Method Blank = All ND

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: May 28, 2004 4:35 PM

Applies to: LR 129954, 129955, 130032, 129761, 129736, 129790, 129789

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	60.61	56.88	121	114	6	22	59-172
MTBE	ND	50	52.14	50.38	104	101	3	24	62-137
Benzene	ND	50	54.36	53.08	109	106	2	24	62-137
Trichloroethene	ND	50	50.45	52.10	101	104	3	21	66-142
Toluene	ND	50	51.89	53.29	104	107	3	21	59-139
Chlorobenzene	ND	50	52.73	53.67	105	107	2	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	LCS	LCSD
DBFM	96	91	101	99
1,2-DCA	114	115	105	102
Tol-d8	104	102	101	96
p-BFB	109	104	104	102

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Solid Samples 129955-717

Analysis Date: May 29, 2004 9:04 AM

Applies to: LR 130030, 130014, 129954, 129955, 130032

Reporting Units = ug/Kg

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	43.85	44.74	88	89	2	22	59-172
MTBE	ND	50	32.62	30.01	65	60	8	24	62-137
Benzene	ND	50	43.82	40.84	88	82	7	24	62-137
Trichloroethene	ND	50	45.34	44.21	91	88	3	21	66-142
Toluene	ND	50	43.40	41.89	87	84	4	21	59-139
Chlorobenzene	ND	50	41.15	38.71	82	77	6	21	60-133

QC Sample: LCS/LCSD 6:45 PM
Analysis Date: May 28, 2004

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	48.82	48.55	98	97	1	22	59-172
MTBE	ND	50	46.03	44.94	92	90	2	24	62-137
Benzene	ND	50	49.09	51.24	98	102	4	24	62-137
Trichloroethene	ND	50	55.27	53.31	111	107	4	21	66-142
Toluene	ND	50	54.87	53.57	110	107	2	21	59-139
Chlorobenzene	ND	50	54.56	54.56	109	109	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	LCS	LCSD	MS	MSD
DBFM	95	96	97	96	95	97
1,2-DCA	106	107	98	97	104	105
Tol-d8	101	96	102	102	100	99
p-BFB	110	109	110	112	109	110

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129955-523717

Matrix: SOLID

Analysis Date: 6/1/04

Batch Date: 5/27/04 (herb 052704s)

Applies to: LR 129914, LR 129954 and LR 129955

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC
			MS	MSD	MS	MSD		RPD
2,4-D	ND	0.200	0.138	0.138	69	69	0	35
,5-TP (Silvex)	ND	0.200	0.167	0.173	83	87	4	35

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.140	70	55-140
2,4,5-TP (Silvex)	0.200	0.189	95	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

Limits
% Rec
45-145
0-140

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129955-523717

Matrix: SOLID

Analysis Date: 5/27/04

Batch Date: 5/27/04 (pcb 052704s)

Applies to: LR 129954, LR 129955 and LR 130076

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.419	0.461	84	92	10	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.429	86	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129955-717

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 26, 2004

Analysis Date: May 27, 2004

ID#'s in Batch: LR 129954, 129955

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	21	22	84	88	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

REPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.5	25	78	70%	130%
LCSD	ND	19.3	25	77	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	115
MSD	121
Method Blank	102
LCS	128
LCSD	123

ASSOCIATED LABORATORIES
)6 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: AOC 2

Date Cooler Received: 5/26 Date Cooler Opened: 5/26

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.3°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: M Date: 5/26

129954

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024

P.O. _____

Chain of Custody Number [1]: 52520042

LIMS Number: _____

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (30 Characters Max)	BRPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B 7471A	HERBICIDES 8151A	PCB 8082			Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
AOC2-SB05-3	AOC2	25052004	1100	3'-3'	N	1	SO	6	/	/	/	/	/	/						2
AOC2-SB05-3-a	AOC2		1100	3'-3'	FD	1	SO	6	/	/	/	/	/	/						2
AOC2-SB05-9	AOC2		1110	9'-9'	N	1	SO	6	/	/	/	/	/	/						2
AOC2-SB05-9-a	AOC2		1110	9'-9'	FD	1	SO	6	/	/	/	/	/	/						2
TRIP BLANKS	AOC2	25052004		-	TB			2	/											2
				-																
				-																
				-																
				-																
				-																
				-																

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: FED EX # 845705821889
PLEASE FAX RESULTS TO 505-679-2148
PLEASE EMAIL PDF FILE TO HOLLOMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	5-25-2004	1400	1. [signature]	5/26	10 45
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 129955
REPORTED 06/03/2004
RECEIVED 05/26/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
523716	AOC2-SB06-3
523717	AOC2-SB06-6
523720	Trip Blank
523721	Laboratory Method Blank-S
525319	Laboratory Method Blank-W

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 523716 **Client Sample ID**: AOC2-SB06-3

Matrix: SOLID

te Sampled: 05/25/2004
ıe Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.11 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	17.2	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	1.83 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523716 **Client Sample ID**: AOC2-SB06-3

Matrix: SOLID

te Sampled: 05/25/2004
ne Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523716 **Client Sample ID:** AOC2-SB06-3

Matrix: SOLID

'e Sampled: 05/25/2004
.ıe Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	55	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	48	%	30 - 115
8270C	2-Fluorophenol (sur)	57	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	43	%	23 - 120
8270C	Phenol-d5 (sur)	55	%	24 - 113
8270C	Terphenyl-d14 (sur)	79	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/28/04 AM

= Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523716 **Client Sample ID**: AOC2-SB06-3

Matrix: SOLID

te Sampled: 05/25/2004
ne Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/28/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/28/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/28/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/28/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/28/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/28/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/28/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/28/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523716 **Client Sample ID:** AOC2-SB06-3

Matrix: SOLID

te Sampled: 05/25/2004
ne Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/28/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/28/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/28/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/28/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	99	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
8260B	Surr3 - Toluene-d8	99	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/01/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/01/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/01/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/01/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/01/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/01/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/01/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/01/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/01/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/01/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

= Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523716 **Client Sample ID**: AOC2-SB06-3

Matrix: SOLID

e Sampled: 05/25/2004
ıe Sampled: 12:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	67	%	50 - 145
8082	DCB(Sur)	99	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/27/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/27/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/27/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID:** AOC2-SB06-6

Matrix: SOLID

Date Sampled: 05/25/2004
Time Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	1.84 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	19.2	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	2.34 J	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	1.30 J	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID:** AOC2-SB06-6

Matrix: SOLID

te Sampled: 05/25/2004
ıe Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID**: AOC2-SB06-6

Matrix: SOLID

te Sampled: 05/25/2004
ne Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	63	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	56	%	30 - 115
8270C	2-Fluorophenol (sur)	59	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	51	%	23 - 120
8270C	Phenol-d5 (sur)	64	%	24 - 113
8270C	Terphenyl-d14 (sur)	75	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/29/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/29/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/29/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/29/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/29/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/29/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/29/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/29/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/29/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/29/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/29/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/29/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/29/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/29/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/29/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/29/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/29/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/29/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID**: AOC2-SB06-6

Matrix: SOLID

'e Sampled: 05/25/2004
.ie Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/29/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/29/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/29/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/29/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/29/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/29/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/29/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/29/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/29/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/29/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/29/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/29/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/29/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/29/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/29/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/29/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/29/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/29/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/29/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/29/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/29/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/29/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/29/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/29/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/29/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/29/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/29/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/29/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/29/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/29/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/29/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/29/04 AM

= Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID:** AOC2-SB06-6

Matrix: SOLID

'e Sampled: 05/25/2004
ıe Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/29/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/29/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/29/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/29/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/29/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/29/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/29/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/29/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/29/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/29/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/29/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/29/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/29/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/29/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/29/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	111	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/01/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/01/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/01/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/01/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/01/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/01/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/01/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/01/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/01/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/01/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523717 **Client Sample ID**: AOC2-SB06-6

Matrix: SOLID

'e Sampled: 05/25/2004
ıe Sampled: 12:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	73	%	50 - 145
8082	DCB(Sur)	100	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/28/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/28/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/28/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523720 **Client Sample ID:** Trip Blank

Matrix: WATER

te Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/28/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/28/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/28/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/28/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/28/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523720 **Client Sample ID**: Trip Blank

Matrix: WATER

Date Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/28/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/28/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523720 **Client Sample ID**: Trip Blank

Matrix: WATER

'e Sampled: 05/25/2004

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	93	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
8260B	Surr3 - Toluene-d8	101	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	105	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID:** Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6020	Arsenic	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Barium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Cadmium	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Chromium	ND	10	5.0	0.02	mg/Kg	05/28/04 NK
6020	Lead	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
6020	Selenium	ND	10	5.0	0.03	mg/Kg	05/28/04 NK
6020	Silver	ND	10	5.0	0.01	mg/Kg	05/28/04 NK
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	05/27/04 MDJ
8270C	1,2,4-Trichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,2-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,3-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	1,4-Dichlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4,5-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4,6-Trichlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dichlorophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dimethylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrophenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2,4-Dinitrotoluene	ND	1	333	55.3	ug/Kg	05/27/04 DP
8270C	2,6-Dinitrotoluene	ND	1	333	32.9	ug/Kg	05/27/04 DP
8270C	2-Chloronaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Chlorophenol	ND	1	333	74.8	ug/Kg	05/27/04 DP
8270C	2-Methylnaphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	2-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	2-Nitrophenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3,3-Dichlorobenzidine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	3-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4,6-Dinitro-2-methylphenol	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Bromophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloro-3-methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chloroaniline	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Chlorophenyl-phenylether	ND	1	333	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Methylphenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	4-Nitroaniline	ND	1	1665	20	ug/Kg	05/27/04 DP
8270C	4-Nitrophenol	ND	1	1665	21.7	ug/Kg	05/27/04 DP
8270C	Acenaphthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Acenaphthylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzidine	ND	1	333	260	ug/Kg	05/27/04 DP
8270C	Benzo(a)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(a)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(b)fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(g,h,i)perylene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Benzo(k)fluoranthene	ND	1	333	25.2	ug/Kg	05/27/04 DP
8270C	Benzoic Acid	ND	1	333	41.0	ug/Kg	05/27/04 DP
8270C	Benzyl alcohol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethoxy)methane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroethyl)ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Chloroisopropyl) ether	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	bis(2-Ethylhexyl)phthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Butylbenzylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Chrysene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-butylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Di-n-octylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenz(a,h)anthracene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dibenzofuran	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Diethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Dimethylphthalate	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluoranthene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Fluorene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobenzene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorobutadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachlorocyclopentadiene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Hexachloroethane	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Isophorone	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	N-Nitroso-di-n-propylamine	ND	1	333	24.7	ug/Kg	05/27/04 DP
8270C	N-Nitrosodiphenylamine	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Naphthalene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Nitrobenzene	ND	1	333	62.8	ug/Kg	05/27/04 DP
8270C	Pentachlorophenol	ND	1	1665	20	ug/Kg	05/27/04 DP

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Phenol	ND	1	333	20	ug/Kg	05/27/04 DP
8270C	Pyrene	ND	1	333	20	ug/Kg	05/27/04 DP

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	55	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	51	%	30 - 115
8270C	2-Fluorophenol (sur)	61	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	49	%	23 - 120
8270C	Phenol-d5 (sur)	67	%	24 - 113
8270C	Terphenyl-d14 (sur)	65	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	2.19	ug/Kg	05/29/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.50	ug/Kg	05/29/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.57	ug/Kg	05/29/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/Kg	05/29/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.74	ug/Kg	05/29/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	1,1-Dichloropropene	ND	1	5	1.30	ug/Kg	05/29/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/29/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.65	ug/Kg	05/29/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.54	ug/Kg	05/29/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.60	ug/Kg	05/29/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.92	ug/Kg	05/29/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.45	ug/Kg	05/29/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.59	ug/Kg	05/29/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.58	ug/Kg	05/29/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.55	ug/Kg	05/29/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.51	ug/Kg	05/29/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	1-Chlorohexane	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.98	ug/Kg	05/29/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.92	ug/Kg	05/29/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
. Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	5	4.7	ug/Kg	05/29/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.52	ug/Kg	05/29/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	5	0.49	ug/Kg	05/29/04 AM
8260B	Acetone	ND	1	50	3.81	ug/Kg	05/29/04 AM
8260B	Acetonitrile	ND	1	5	0.7	ug/Kg	05/29/04 AM
8260B	Acrolein	ND	1	200	172	ug/Kg	05/29/04 AM
8260B	Acrylonitrile	ND	1	5	1.3	ug/Kg	05/29/04 AM
8260B	Allyl chloride	ND	1	5	0.4	ug/Kg	05/29/04 AM
8260B	Benzene	ND	1	5	0.39	ug/Kg	05/29/04 AM
8260B	Benzyl chloride	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	Bromobenzene	ND	1	5	0.65	ug/Kg	05/29/04 AM
8260B	Bromochloromethane	ND	1	5	0.36	ug/Kg	05/29/04 AM
8260B	Bromodichloromethane	ND	1	5	0.48	ug/Kg	05/29/04 AM
8260B	Bromoform	ND	1	5	0.53	ug/Kg	05/29/04 AM
8260B	Bromomethane	ND	1	5	2.07	ug/Kg	05/29/04 AM
8260B	Carbon Disulfide	ND	1	5	0.8	ug/Kg	05/29/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.40	ug/Kg	05/29/04 AM
8260B	Chlorobenzene	ND	1	5	0.42	ug/Kg	05/29/04 AM
8260B	Chloroethane	ND	1	5	1.1	ug/Kg	05/29/04 AM
8260B	Chloroform	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	Chloromethane	ND	1	5	0.25	ug/Kg	05/29/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.79	ug/Kg	05/29/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.59	ug/Kg	05/29/04 AM
8260B	Dibromochloromethane	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	Dibromomethane	ND	1	5	0.46	ug/Kg	05/29/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.16	ug/Kg	05/29/04 AM
8260B	Ethyl benzene	ND	1	5	0.41	ug/Kg	05/29/04 AM
8260B	Ethyl methacrylate	ND	1	5	1.8	ug/Kg	05/29/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.29	ug/Kg	05/29/04 AM
8260B	Iodomethane	ND	1	5	0.6	ug/Kg	05/29/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	m and p-Xylene	ND	1	5	0.67	ug/Kg	05/29/04 AM
8260B	Methacrylonitrile	ND	1	5	2.70	ug/Kg	05/29/04 AM
8260B	Methyl methacrylate	ND	1	5	0.21	ug/Kg	05/29/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.51	ug/Kg	05/29/04 AM
8260B	Methylene chloride	ND	1	5	0.91	ug/Kg	05/29/04 AM
8260B	n-Butylbenzene	ND	1	5	0.38	ug/Kg	05/29/04 AM
8260B	n-Propylbenzene	ND	1	5	0.32	ug/Kg	05/29/04 AM

= Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Naphthalene	ND	1	5	0.60	ug/Kg	05/29/04 AM
8260B	o-Xylene	ND	1	5	0.35	ug/Kg	05/29/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/Kg	05/29/04 AM
8260B	Pentachloroethane	ND	1	5	0.6	ug/Kg	05/29/04 AM
8260B	Propionitrile	ND	1	5	5	ug/Kg	05/29/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.31	ug/Kg	05/29/04 AM
8260B	Styrene	ND	1	5	0.37	ug/Kg	05/29/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.41	ug/Kg	05/29/04 AM
8260B	Tetrachloroethene	ND	1	5	0.49	ug/Kg	05/29/04 AM
8260B	Toluene	ND	1	5	0.42	ug/Kg	05/29/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.48	ug/Kg	05/29/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.44	ug/Kg	05/29/04 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	2.35	ug/Kg	05/29/04 AM
8260B	Trichloroethene	ND	1	5	0.43	ug/Kg	05/29/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.40	ug/Kg	05/29/04 AM
8260B	Vinyl acetate	ND	1	50	10.2	ug/Kg	05/29/04 AM
8260B	Vinyl chloride	ND	1	5	0.47	ug/Kg	05/29/04 AM
8260B	Xylenes, total	ND	1	5	0.8	ug/Kg	05/29/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	107	%	70 - 135
8260B	Surr3 - Toluene-d8	96	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

8151A	2,4,5-T	ND	1	0.13	0.0014	mg/Kg	06/01/04 RB
8151A	2,4,5-TP (Silvex)	ND	1	0.11	0.0014	mg/Kg	06/01/04 RB
8151A	2,4-D	ND	1	0.80	0.0067	mg/Kg	06/01/04 RB
8151A	2,4-DB	ND	1	0.61	0.0051	mg/Kg	06/01/04 RB
8151A	Dalapon	ND	1	3.89	0.0039	mg/Kg	06/01/04 RB
8151A	Dicamba	ND	1	0.18	0.0028	mg/Kg	06/01/04 RB
8151A	Dichloroprop	ND	1	0.44	0.0046	mg/Kg	06/01/04 RB
8151A	Dinoseb	ND	1	0.05	0.0011	mg/Kg	06/01/04 RB
8151A	MCPA	ND	1	167	0.93	mg/Kg	06/01/04 RB
8151A	MCPP	ND	1	129	0.57	mg/Kg	06/01/04 RB
8082	PCB-1016	ND	1	0.03	0.003	mg/Kg	05/27/04 RB
8082	PCB-1221	ND	1	0.06	0.006	mg/Kg	05/27/04 RB
8082	PCB-1232	ND	1	0.05	0.004	mg/Kg	05/27/04 RB

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 523721 **Client Sample ID**: Laboratory Method Blank-S

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8082	PCB-1242	ND	1	0.05	0.002	mg/Kg	05/27/04 RB
8082	PCB-1248	ND	1	0.08	0.008	mg/Kg	05/27/04 RB
8082	PCB-1254	ND	1	0.03	0.001	mg/Kg	05/27/04 RB
8082	PCB-1260	ND	1	0.03	0.002	mg/Kg	05/27/04 RB

Surrogates			Units	Control Limits
8151A	DCAA (sur)	66	%	50 - 145
8082	DCB(Sur)	101	%	50 - 135

8015	C06 - C10	ND	1	3	0.90	mg/Kg	05/27/04 AF
8015	C10 - C22	ND	1	3	0.65	mg/Kg	05/27/04 AF
8015	C22 - C36	ND	1	5	3.60	mg/Kg	05/27/04 AF

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525319 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	05/28/04 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	05/28/04 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	05/28/04 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	05/28/04 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	05/28/04 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	05/28/04 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	05/28/04 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	05/28/04 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	05/28/04 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	05/28/04 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.20	ug/L	05/28/04 AM
8260B	Acetone	ND	1	100	3.18	ug/L	05/28/04 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	05/28/04 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	05/28/04 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	05/28/04 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	05/28/04 AM
8260B	Benzene	ND	1	1	0.22	ug/L	05/28/04 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	05/28/04 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	05/28/04 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525319 **Client Sample ID:** Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	05/28/04 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	05/28/04 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	05/28/04 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	05/28/04 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	05/28/04 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	05/28/04 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	05/28/04 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	05/28/04 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	05/28/04 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	05/28/04 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	05/28/04 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	m and p-Xylene	ND	1	5	0.54	ug/L	05/28/04 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	05/28/04 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	05/28/04 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	05/28/04 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	05/28/04 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	05/28/04 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	05/28/04 AM
8260B	o-Xylene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	05/28/04 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	05/28/04 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	05/28/04 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	05/28/04 AM
8260B	Styrene	ND	1	5	0.20	ug/L	05/28/04 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	05/28/04 AM
8260B	Toluene	ND	1	5	0.32	ug/L	05/28/04 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	05/28/04 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	05/28/04 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 525319 **Client Sample ID**: Laboratory Method Blank-W

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	05/28/04 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	05/28/04 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	05/28/04 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	05/28/04 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	05/28/04 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	05/28/04 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	96	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114	%	70 - 135
8260B	Surr3 - Toluene-d8	104	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	109	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 129955-523717 QC# 052704SO10

Matrix: SOLID

Prep. Date: May 27, 2004

Analysis Date: May 28, 2004

Lab ID#'s in Batch: LR 129866, 129837, 129954, 129955, 129960, 129576, 129834

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	6020	1.84		92.6	96.7	99.4	102	105	3
Ba	6020	19.20		92.6	115.0	118.0	103	107	3
Cd	6020	0.50	U	92.6	97.3	100.0	105	108	3
Cr	6020	2.34		92.6	102.0	98.9	108	104	3
Pb	6020	1.30		92.6	102.0	106.0	109	113	4
Se	6020	0.50	U	92.6	97.6	99.5	105	107	2
Ag	* 6020	0.50	U	46.3	30.8	36.3	67	78	16

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
As	6020	183	200	92	80%	120%	0.5	U
Ba	6020	192	200	96	80%	120%	0.5	U
Cd	6020	200	200	100	80%	120%	0.5	U
Cr	6020	202	200	101	80%	120%	0.5	U
Pb	6020	209	200	105	80%	120%	0.5	U
Se	6020	200	200	100	80%	120%	0.5	U
Ag	6020	101	100	101	80%	120%	0.5	U

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129955-523717

Matrix: SOIL

Prep. Date: May 27, 2004

Analysis Date: May 27, 2004

ID#'s in Batch: LR 129955, 129954

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.5 / 7471A	ND	0.79	0.76	0.76	96	96	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80-120
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.83	0.77	108	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 129955-717

Matrix: SOLID

Extraction Method : 3545

Prep. Date: May 26, 2004

Analysis Date: May 27, 2004

ID#'s in Batch: LR 129954, 129955

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	25	21	22	84	88	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	19.5	25	78	70%	130%
LCSD	ND	19.3	25	77	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	115
MSD	121
Method Blank	102
LCS	128
LCSD	123

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3545

QC Sample: 129955-523717

Matrix: SOLID

Analysis Date: 5/27/04

Batch Date: 5/27/04 (pcb 052704s)

Applies to: LR 129954, LR 129955 and LR 130076

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	0.500	0.419	0.461	84	92	10	35	50-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
D = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limit
Aroclor 1260	0.500	0.429	86	70-130

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 8151

QC Sample: 129955-523717

Matrix: SOLID

Analysis Date: 6/1/04

Batch Date: 5/27/04 (herb 052704s)

Applies to: • LR 129914, LR 129954 and LR 129955

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC RPD
			MS	MSD	MS	MSD		
2,4-D	ND	0.200	0.138	0.138	69	69	0	35
;,5-TP (Silvex)	ND	0.200	0.167	0.173	83	87	4	35

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK
REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits
2,4-D	0.200	0.140	70	55-140
2,4,5-TP (Silvex)	0.200	0.189	95	60-140

Method Blank = All ND
% Rec - LCS = Percent Recovery from Lab Control Spike

Limits
% Rec
45-145
0-140

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: May 28, 2004 4:35 PM

Applies to: LR 129954, 129955, 130032, 129761, 129736, 129790, 129789

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	60.61	56.88	121	114	6	22	59-172
MTBE	ND	50	52.14	50.38	104	101	3	24	62-137
Benzene	ND	50	54.36	53.08	109	106	2	24	62-137
Trichloroethene	ND	50	50.45	52.10	101	104	3	21	66-142
Toluene	ND	50	51.89	53.29	104	107	3	21	59-139
Chlorobenzene	ND	50	52.73	53.67	105	107	2	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	LCS	LCSD
DBFM	96	91	101	99
1,2-DCA	114	115	105	102
Tol-d8	104	102	101	96
p-BFB	109	104	104	102

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Solid Samples 129955-717

Analysis Date: May 29, 2004 9:04 AM

Applies to: LR 130030, 130014, 129954, 129955, 130032

Reporting Units = ug/Kg

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	43.85	44.74	88	89	2	22	59-172
MTBE	ND	50	32.62	30.01	65	60	8	24	62-137
Benzene	ND	50	43.82	40.84	88	82	7	24	62-137
Trichloroethene	ND	50	45.34	44.21	91	88	3	21	66-142
Toluene	ND	50	43.40	41.89	87	84	4	21	59-139
Chlorobenzene	ND	50	41.15	38.71	82	77	6	21	60-133

QC Sample: LCS/LCSD 6:45 PM
Analysis Date: May 28, 2004

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	48.82	48.55	98	97	1	22	59-172
MTBE	ND	50	46.03	44.94	92	90	2	24	62-137
Benzene	ND	50	49.09	51.24	98	102	4	24	62-137
Trichloroethene	ND	50	55.27	53.31	111	107	4	21	66-142
Toluene	ND	50	54.87	53.57	110	107	2	21	59-139
Chlorobenzene	ND	50	54.56	54.56	109	109	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	LCS	LCSD	MS	MSD
DBFM	95	96	97	96	95	97
1,2-DCA	106	107	98	97	104	105
Tol-d8	101	96	102	102	100	99
p-BFB	110	109	110	112	109	110

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : EPA 8270/625

ep. Method : 3545

QC Sample: MS/MSD 129955-717

Matrix: SOLID

Date Extracted : May 26, 2004

Date Analyzed : May 27, 2004

Applies to: LR 129955, 129894, 129884, 129954

REPORTING UNITS = ug/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup.	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	50	31	33	62	66	6	42	6-117
2-Chorophenol	ND	50	33	35	66	70	6	35	28-100
1,4-Dichlorobenzene	ND	50	33	35	66	70	6	36	39-92
n-Nitroso-di-n-propylamine	ND	50	31	38	62	76	20	42	5-149
1,2,4-Trichlorobenzene	ND	50	32	33	64	66	3	41	41-97
4-Chloro-3-methylphenol	ND	50	34	33	68	66	3	37	26-117
aphthene	ND	50	36	37	72	74	3	41	46-113
4-Nitrophenol	ND	50	35	33	70	66	6	73	53-143
2,4-Dinitrotoluene	ND	50	43	41	86	82	5	43	82-125
Pentachlorophenol	ND	50	37	37	74	74	0	52	25-187
Pyrene	ND	50	41	40	82	80	2	36	47-136

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC LIMIT %REC
Phenol	ND	50	30	60	17-99
2-Clorophenol	ND	50	31	62	28-88
1,4-Dichlorobenzene	ND	50	31	62	33-89
n-Nitroso-di-n-propylamine	ND	50	34	68	9-130
1,2,4-Trichlorobenzene	ND	50	29	58	25-92
4-Cloro-3-methylphenol	ND	50	30	60	27-96
Acenaphthene	ND	50	32	64	31-101
4-Nitrophenol	ND	50	26	52	8-123
2,4-Dinitrotoluene	ND	50	33	66	27-139
chlorophenol	ND	50	22	44	0-151
Pyrene	ND	50	35	70	34-127

Method Blank = All ND

ASSOCIATED LABORATORIES
06 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: 9030024

Date Cooler Received: 5/26 Date Cooler Opened: 5/26

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 3.1°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: M Date: 5/26

129955

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 52520041

LIMS Number:

Facility/Base I.D.: HOLMAN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (20 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	RCRA 6010B 7471A	HERBICIDES 8151A	PCB 8082			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-SB06-3	AOC2	25052004	1250	3'-3'	N	1	SO	6	✓	✓	✓	✓	✓	✓					1
AOC2-SB06-6	AOC2	25052004	1230	6'-6'	N	1	SO	6	✓	✓	✓	✓	✓	✓					1
AOC2-SB06-6-MS	AOC2	25052004	1230	6'-6'	MS	1	SO	6	✓	✓	✓	✓	✓	✓					1
AOC2-SB06-6-MSD	AOC2	25052004	1230	6'-6'	SD	1	SO	6	✓	✓	✓	✓	✓	✓					1
TRIP BLANKS	AOC2	25052004		-	TB			2	✓										1
				-															
				-															
				-															
				-															
				-															
				-															

Sample Analysis Requested [5]

Quality Assurance Samples [6]

COMMENTS: FED EX # 845705831890
PLEASE FAX RESULTS TO ~~[illegible]~~ 505-679-2148
PLEASE EMAIL PDF FILE TO HOLLOMAN

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	5-25-2004	1400	1. [illegible]	5/26	10 40
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: FED EX. Airbill Number:

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SB = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (dddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131426
REPORTED 06/29/2004
RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531104	AOC2-MW05
531105	Trip Blank
531106	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.023	1	0.005	mg/L	06/24/04	KN
Barium	0.016	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.012	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	100			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	79			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	91	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	116	%	70 - 135
Surr3 - Toluene-d8	100	%	70 - 135
Surr4 - p-Bromofluorobenzene	106	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/26/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Methylphenol	ND	1	10	ug/L	06/26/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/26/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/26/04	DP
3-Methylphenol	ND	1	10	ug/L	06/26/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/26/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/26/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/26/04	DP
Acenaphthene	ND	1	10	ug/L	06/26/04	DP
Acenaphthylene	ND	1	10	ug/L	06/26/04	DP
Anthracene	ND	1	10	ug/L	06/26/04	DP
Benzidine	ND	1	50	ug/L	06/26/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/26/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/26/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/26/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzoic Acid	ND	1	10	ug/L	06/26/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/26/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/26/04	DP
Chrysene	ND	1	10	ug/L	06/26/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/26/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/26/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/26/04	DP
Dibenzofuran	ND	1	10	ug/L	06/26/04	DP
Diethylphthalate	ND	1	10	ug/L	06/26/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/26/04	DP
Fluoranthene	ND	1	10	ug/L	06/26/04	DP
Fluorene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/26/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/26/04	DP
Hexachloroethane	ND	1	10	ug/L	06/26/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531104 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW05

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/26/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/26/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/26/04	DP
Naphthalene	ND	1	10	ug/L	06/26/04	DP
Nitrobenzene	ND	1	10	ug/L	06/26/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/26/04	DP
Phenanthrene	ND	1	10	ug/L	06/26/04	DP
Phenol	ND	1	10	ug/L	06/26/04	DP
Pyrene	ND	1	10	ug/L	06/26/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	60			%	10 - 123	
2-Fluorobiphenyl (sur)	44			%	43 - 116	
2-Fluorophenol (sur)	38			%	21 - 110	
Nitrobenzene-d5 (sur)	45			%	34 - 114	
Phenol-d5 (sur)	27			%	10 - 110	
Terphenyl-d14 (sur)	71			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531105 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blank

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531105 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blank

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531105 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blank

Date Sampled: 06/21/2004

Time Sampled: 12:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Naphthalene	ND	1	5	ug/L	06/24/04 AM
o-Xylene	ND	1	5	ug/L	06/24/04 AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04 AM
Pentachloroethane	ND	1	5	ug/L	06/24/04 AM
Propionitrile	ND	1	100	ug/L	06/24/04 AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04 AM
Styrene	ND	1	5	ug/L	06/24/04 AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04 AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04 AM
Toluene	ND	1	5	ug/L	06/24/04 AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04 AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04 AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04 AM
Trichloroethene	ND	1	5	ug/L	06/24/04 AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04 AM
Vinyl acetate	ND	1	50	ug/L	06/24/04 AM
Vinyl chloride	ND	1	5	ug/L	06/24/04 AM
Xylenes, total	ND	1	5	ug/L	06/24/04 AM
Surrogates				**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113			%	70 - 135
Surr3 - Toluene-d8	102			%	70 - 135
Surr4 - p-Bromofluorobenzene	100			%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	66			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	88	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531106 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	57			%	10 - 123	
2-Fluorobiphenyl (sur)	44			%	43 - 116	
2-Fluorophenol (sur)	34			%	21 - 110	
Nitrobenzene-d5 (sur)	38			%	34 - 114	
Phenol-d5 (sur)	24			%	10 - 110	
Terphenyl-d14 (sur)	70			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131444, 131399, 131460, 131439, 131431, 131430

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

Sample Result > 4 times Spike Added, then "NC"

U = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
LCS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
D = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

Analysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

:thod : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
1,4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
,roso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: 9030024

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice X Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 1.5°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: MV Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6.25.04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

Signed(QA Manager): [illegible] **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

131426

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 622200446

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (30 Character Max)	BRPIMS LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	HERBICIDES 8151A	PCBS 8082	METALS 6010B 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW05	AOC2	21-06-2004	1220	13'-15'	N	1	WG	8	/	/	/	/	/	/					6
TRIP BLANKS	AOC2	21-06-2004	1220	0'-0'	TB			2	/										6

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: FEDEX # 845705832484
PLEASE EMAIL PDF FILE TO HALLAMW
PLEASE FAX RESULTS TO (505) 679-2148
* METAL SAMPLE FILTERED

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. [signature]	6/23	1040
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX. Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-c)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131427
REPORTED 06/29/2004
RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531107	AOC2-MW06
531108	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531107
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 13:20
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW06

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.027	1	0.005	mg/L	06/24/04	KN
Barium	0.014	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.013	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	87			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 13:20
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW06

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	84			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW06

Date Sampled: 06/21/2004

Time Sampled: 13:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW06

Date Sampled: 06/21/2004

Time Sampled: 13:20

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107 Client: BHATE

Matrix: WATER Client Sample ID: AOC2-MW06

Date Sampled: 06/21/2004

Time Sampled: 13:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	89	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	115	%	70 - 135
Surr3 - Toluene-d8	97	%	70 - 135
Surr4 - p-Bromofluorobenzene	99	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/26/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Methylphenol	ND	1	10	ug/L	06/26/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/26/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/26/04	DP
3-Methylphenol	ND	1	10	ug/L	06/26/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/26/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/26/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 13:20
mpled By:

Client: BHATE
Client Sample ID: AOC2-MW06

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/26/04	DP
Acenaphthene	ND	1	10	ug/L	06/26/04	DP
Acenaphthylene	ND	1	10	ug/L	06/26/04	DP
Anthracene	ND	1	10	ug/L	06/26/04	DP
Benzidine	ND	1	50	ug/L	06/26/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/26/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/26/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/26/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzoic Acid	ND	1	10	ug/L	06/26/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/26/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/26/04	DP
Chrysene	ND	1	10	ug/L	06/26/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/26/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/26/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/26/04	DP
Dibenzofuran	ND	1	10	ug/L	06/26/04	DP
Diethylphthalate	ND	1	10	ug/L	06/26/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/26/04	DP
Fluoranthene	ND	1	10	ug/L	06/26/04	DP
Fluorene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/26/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/26/04	DP
Hexachloroethane	ND	1	10	ug/L	06/26/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531107 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW06

Date Sampled: 06/21/2004

Time Sampled: 13:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/26/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/26/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/26/04	DP
Naphthalene	ND	1	10	ug/L	06/26/04	DP
Nitrobenzene	ND	1	10	ug/L	06/26/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/26/04	DP
Phenanthrene	ND	1	10	ug/L	06/26/04	DP
Phenol	ND	1	10	ug/L	06/26/04	DP
Pyrene	ND	1	10	ug/L	06/26/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	51			%	10 - 123	
2-Fluorobiphenyl (sur)	34			%	43 - 116	
2-Fluorophenol (sur)	26			%	21 - 110	
Nitrobenzene-d5 (sur)	33			%	34 - 114	
Phenol-d5 (sur)	19			%	10 - 110	
Terphenyl-d14 (sur)	70			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 Client: BHATE

Matrix: WATER Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	66			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	88	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531108 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8270C Acid/Base/Neutral Extractables					
Isophorone	ND	1	10	ug/L	06/25/04 DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04 DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04 DP
Naphthalene	ND	1	10	ug/L	06/25/04 DP
Nitrobenzene	ND	1	10	ug/L	06/25/04 DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04 DP
Phenanthrene	ND	1	10	ug/L	06/25/04 DP
Phenol	ND	1	10	ug/L	06/25/04 DP
Pyrene	ND	1	10	ug/L	06/25/04 DP
Surrogates				**Units**	**Control Limits**
2,4,6-Tribromophenol (sur)	57			%	10 - 123
2-Fluorobiphenyl (sur)	44			%	43 - 116
2-Fluorophenol (sur)	34			%	21 - 110
Nitrobenzene-d5 (sur)	38			%	34 - 114
Phenol-d5 (sur)	24			%	10 - 110
Terphenyl-d14 (sur)	70			%	33 - 141

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131441, 131399, 131460, 131439, 131431, 131430, 131458

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

D = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
LCS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
D = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

nalysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

b Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

ethod : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
1,4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
troso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: AOC 2

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 3.1°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: M Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6-25-04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

Signed(QA Manager): [illegible] **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

131427

Page 1 of 1

Project Number: 3030024

Chain of Custody Number [1]: 62226047

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (20 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	HERBICIDES 8151A	PCBS 8082	METALS 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW06	AOC2	21-06-2004	1320	17'-17'	N	1	WG	8	/	/	/	/	/	/					7
AOC2-MW06-MS/MSD	AOC2	21-06-2004	1320	17'-17'	MS	1	WG	8	/	/	/	/	/	/					7
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															

Sample Analysis Requested [5]

Quality Assurance Samples [6]

COMMENTS: FED EX # 845705832495 * METAL SAMPLES FILTERED
PLEASE EMAIL PDF FILES TO HOLLAMON
PLEASE FAX RESULTS TO (501) 679-2148

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. Doug Vu	6/23	1045
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX Airbill Number: _____

Analytical Lab: ASSOCIATES Delivery Location: ORANGE, CA

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131428

REPORTED 06/29/2004

RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531109	AOC2-MW02
531110	Trip Blanks
531111	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.026	1	0.005	mg/L	06/24/04	KN
Barium	0.012	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.013	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	83			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	68			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 Client: BHATE

Matrix: WATER Client Sample ID: AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOCZ-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	92	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	115	%	70 - 135
Surr3 - Toluene-d8	99	%	70 - 135
Surr4 - p-Bromofluorobenzene	104	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531109 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW02

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8270C Acid/Base/Neutral Extractables					
Isophorone	ND	1	10	ug/L	06/25/04 DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04 DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04 DP
Naphthalene	ND	1	10	ug/L	06/25/04 DP
Nitrobenzene	ND	1	10	ug/L	06/25/04 DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04 DP
Phenanthrene	ND	1	10	ug/L	06/25/04 DP
Phenol	ND	1	10	ug/L	06/25/04 DP
Pyrene	ND	1	10	ug/L	06/25/04 DP
Surrogates				**Units**	**Control Limits**
2,4,6-Tribromophenol (sur)	45			%	10 - 123
2-Fluorobiphenyl (sur)	40			%	43 - 116
2-Fluorophenol (sur)	26			%	21 - 110
Nitrobenzene-d5 (sur)	31			%	34 - 114
Phenol-d5 (sur)	18			%	10 - 110
Terphenyl-d14 (sur)	72			%	33 - 141

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531110 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM

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Order #: 531110 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM

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Order #: 531110 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:16

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	92			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	115			%	70 - 135	
Surr3 - Toluene-d8	99			%	70 - 135	
Surr4 - p-Bromofluorobenzene	98			%	70 - 135	

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Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

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Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

ne Sampled:

npled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	66			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

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Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

'me Sampled:

.mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

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Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

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Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	88	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

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Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

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npled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531111 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

me Sampled:

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	57			%	10 - 123	
2-Fluorobiphenyl (sur)	44			%	43 - 116	
2-Fluorophenol (sur)	34			%	21 - 110	
Nitrobenzene-d5 (sur)	38			%	34 - 114	
Phenol-d5 (sur)	24			%	10 - 110	
Terphenyl-d14 (sur)	70			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131441, 131399, 131460, 131439, 131431, 131430, 131458

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

*** = Outside QC limits, due to matrix Interference**

° Sample Result > 4 times Spike Added, then "NC"

D = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
CS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

Analysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

ethod : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
1 4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
,itroso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: 9030024

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.4°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: MV Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6.25.04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

Signed(QA Manager): [illegible] **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

D1428

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 62220042

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (30 Characters Max)	BRPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	Herbicide 8151A	PCB's 8082	Metals 6010B 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW02	AOC2	21-06-2004	0816	22'-22'	N	1	WG	8	/	/	/	/	/	/					2
TRIP BLANKS	AOC2	21-06-2004	0816	0'-0'	TB			2	/										2

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: FED EX # 845705832440
PLEASE EMAIL PDF FILE TO HALLOMON
PLEASE FAX RESULTS TO (505) 679-2148
* METAL SAMPLES FILTERED

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. [signature]	6/23	1045
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FED EX Airbill Number: _____

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131439
REPORTED 06/29/2004
RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531161	AOC2-MW04
531162	AOC2-MW04-a
531163	Trip Blanks
531164	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531161 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.024	1	0.005	mg/L	06/24/04	KN
Barium	0.012	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.013	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	78			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	78			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 10:25
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW04

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 10:25
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW04

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	94	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117	%	70 - 135
Surr3 - Toluene-d8	95	%	70 - 135
Surr4 - p-Bromofluorobenzene	98	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/26/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/26/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/26/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/26/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/26/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/26/04	DP
2-Methylphenol	ND	1	10	ug/L	06/26/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/26/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/26/04	DP
3-Methylphenol	ND	1	10	ug/L	06/26/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/26/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/26/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161 Client: BHATE
Matrix: WATER Client Sample ID: AOC2-MW04
Date Sampled: 06/21/2004
Time Sampled: 10:25
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/26/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/26/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/26/04	DP
Acenaphthene	ND	1	10	ug/L	06/26/04	DP
Acenaphthylene	ND	1	10	ug/L	06/26/04	DP
Anthracene	ND	1	10	ug/L	06/26/04	DP
Benzidine	ND	1	50	ug/L	06/26/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/26/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/26/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/26/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/26/04	DP
Benzoic Acid	ND	1	10	ug/L	06/26/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/26/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/26/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/26/04	DP
Chrysene	ND	1	10	ug/L	06/26/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/26/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/26/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/26/04	DP
Dibenzofuran	ND	1	10	ug/L	06/26/04	DP
Diethylphthalate	ND	1	10	ug/L	06/26/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/26/04	DP
Fluoranthene	ND	1	10	ug/L	06/26/04	DP
Fluorene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/26/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/26/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/26/04	DP
Hexachloroethane	ND	1	10	ug/L	06/26/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/26/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531161 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/26/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/26/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/26/04	DP
Naphthalene	ND	1	10	ug/L	06/26/04	DP
Nitrobenzene	ND	1	10	ug/L	06/26/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/26/04	DP
Phenanthrene	ND	1	10	ug/L	06/26/04	DP
Phenol	ND	1	10	ug/L	06/26/04	DP
Pyrene	ND	1	10	ug/L	06/26/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	54			%	10 - 123	
2-Fluorobiphenyl (sur)	46			%	43 - 116	
2-Fluorophenol (sur)	40			%	21 - 110	
Nitrobenzene-d5 (sur)	46			%	34 - 114	
Phenol-d5 (sur)	28			%	10 - 110	
Terphenyl-d14 (sur)	67			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531162 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04-a

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531162
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 10:25
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW04-a

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531162 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW04-a

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

Surrogates		**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	92	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	119	%	70 - 135
Surr3 - Toluene-d8	101	%	70 - 135
Surr4 - p-Bromofluorobenzene	99	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531163 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/25/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/25/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/25/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
2-Hexanone	ND	1	20	ug/L	06/25/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/25/04	AM
Acetone	ND	1	100	ug/L	06/25/04	AM
Acetonitrile	ND	1	50	ug/L	06/25/04	AM
Acrolein	ND	1	200	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531163 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	06/25/04	AM
Allyl chloride	ND	1	5	ug/L	06/25/04	AM
Benzene	ND	1	1	ug/L	06/25/04	AM
Benzyl chloride	ND	1	5	ug/L	06/25/04	AM
Bromobenzene	ND	1	5	ug/L	06/25/04	AM
Bromochloromethane	ND	1	5	ug/L	06/25/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/25/04	AM
Bromoform	ND	1	5	ug/L	06/25/04	AM
Bromomethane	ND	1	5	ug/L	06/25/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/25/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/25/04	AM
Chlorobenzene	ND	1	5	ug/L	06/25/04	AM
Chloroethane	ND	1	5	ug/L	06/25/04	AM
Chloroform	ND	1	5	ug/L	06/25/04	AM
Chloromethane	ND	1	5	ug/L	06/25/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/25/04	AM
Dibromomethane	ND	1	5	ug/L	06/25/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/25/04	AM
Ethyl benzene	ND	1	5	ug/L	06/25/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/25/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/25/04	AM
Iodomethane	ND	1	5	ug/L	06/25/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/25/04	AM
m and p-Xylene	ND	1	5	ug/L	06/25/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/25/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/25/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/25/04	AM
Methylene chloride	ND	1	5	ug/L	06/25/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531163 Client: BHATE

Matrix: WATER Client Sample ID: Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 10:25

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Naphthalene	ND	1	5	ug/L	06/25/04	AM
o-Xylene	ND	1	5	ug/L	06/25/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/25/04	AM
Pentachloroethane	ND	1	5	ug/L	06/25/04	AM
Propionitrile	ND	1	100	ug/L	06/25/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Styrene	ND	1	5	ug/L	06/25/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/25/04	AM
Toluene	ND	1	5	ug/L	06/25/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Trichloroethene	ND	1	5	ug/L	06/25/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/25/04	AM
Vinyl acetate	ND	1	50	ug/L	06/25/04	AM
Vinyl chloride	ND	1	5	ug/L	06/25/04	AM
Xylenes, total	ND	1	5	ug/L	06/25/04	AM

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	91	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110	%	70 - 135
Surr3 - Toluene-d8	101	%	70 - 135
Surr4 - p-Bromofluorobenzene	100	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

me Sampled:

npled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	70			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 Client: BHATE

Matrix: WATER Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	89	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

ne Sampled:

.mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531164 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	57	%	10 - 123
2-Fluorobiphenyl (sur)	44	%	43 - 116
2-Fluorophenol (sur)	34	%	21 - 110
Nitrobenzene-d5 (sur)	38	%	34 - 114
Phenol-d5 (sur)	24	%	10 - 110
Terphenyl-d14 (sur)	70	%	33 - 141

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131441, 131399, 131460, 131439, 131431, 131430, 131458

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

*** = Outside QC limits, due to matrix Interference**

Sample Result > 4 times Spike Added, then "NC"

D = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
LCS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

Analysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

:thod : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
1 4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
N-Nitroso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: B hate Project: 9030029

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.7°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: M Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6.25.04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

igned(QA Manager): J. McCarthy **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

13439

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 62220044

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Sample Analysis Requested [2]

Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [3]	Sample Number [2]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	Herbicides 8151A	PCB's 8082	Metals 6010B 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW04	AOC2	21-06-2004	1025	19' - 19'	N	1	WG	8	/	/	/	/	/	/					4
AOC2-MW04-2	AOC2	21-06-2004	1025	19' - 19'	FD	1	WG	4	/		/								4
TRIP BLANKS	AOC2	21-06-2004	1025	0' - 0'	TB			2	/										4
				-															
				-															
				-															
				-															
				-															
				-															
				-															
				-															

Quality Assurance Samples [5]

COMMENTS: FED EX # 845705832462
PLEASE E-MAIL PDF FILE TO HOLLEMAN
PLEASE FAX RESULTS TO (505) 679-2148

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. [signature]	6/23	10 45
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:

Shipped No.:

Method of Shipment: FED EX

Airbill Number:

Analytical Lab: ASSOCIATED

Delivery Location: ORANGE, CA.

Lab Recipient:

Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131441
REPORTED 06/29/2004
RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531166	AOC2-MW01
531167	Trip Blanks
531168	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531166
Matrix: WATER
Date Sampled: 06/21/2004
ime Sampled: 07:50
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW01

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.022	1	0.005	mg/L	06/24/04	KN
Barium	0.024	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.015	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	0.014	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/25/04	AF
C10 - C22	ND	1	0.2	mg/L	06/25/04	AF
C22 - C36	ND	1	0.3	mg/L	06/25/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	87			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE
Matrix: WATER **Client Sample ID:** AOC2-MW01
Date Sampled: 06/21/2004
Time Sampled: 07:50
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	84			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW01

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/25/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/25/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/25/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
2-Hexanone	ND	1	20	ug/L	06/25/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/25/04	AM
Acetone	ND	1	100	ug/L	06/25/04	AM
Acetonitrile	ND	1	50	ug/L	06/25/04	AM
Acrolein	ND	1	200	ug/L	06/25/04	AM
Acrylonitrile	ND	1	10	ug/L	06/25/04	AM
Allyl chloride	ND	1	5	ug/L	06/25/04	AM
Benzene	ND	1	1	ug/L	06/25/04	AM
Benzyl chloride	ND	1	5	ug/L	06/25/04	AM
Bromobenzene	ND	1	5	ug/L	06/25/04	AM
Bromochloromethane	ND	1	5	ug/L	06/25/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/25/04	AM
Bromoform	ND	1	5	ug/L	06/25/04	AM
Bromomethane	ND	1	5	ug/L	06/25/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/25/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/25/04	AM
Chlorobenzene	ND	1	5	ug/L	06/25/04	AM
Chloroethane	ND	1	5	ug/L	06/25/04	AM
Chloroform	ND	1	5	ug/L	06/25/04	AM
Chloromethane	ND	1	5	ug/L	06/25/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW01

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/25/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/25/04	AM
Ethyl benzene	ND	1	5	ug/L	06/25/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/25/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/25/04	AM
Iodomethane	ND	1	5	ug/L	06/25/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/25/04	AM
m and p-Xylene	ND	1	5	ug/L	06/25/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/25/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/25/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/25/04	AM
Methylene chloride	ND	1	5	ug/L	06/25/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/25/04	AM
Naphthalene	ND	1	5	ug/L	06/25/04	AM
o-Xylene	ND	1	5	ug/L	06/25/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/25/04	AM
Pentachloroethane	ND	1	5	ug/L	06/25/04	AM
Propionitrile	ND	1	100	ug/L	06/25/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Styrene	ND	1	5	ug/L	06/25/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/25/04	AM
Toluene	ND	1	5	ug/L	06/25/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Trichloroethene	ND	1	5	ug/L	06/25/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/25/04	AM
Vinyl acetate	ND	1	50	ug/L	06/25/04	AM
Vinyl chloride	ND	1	5	ug/L	06/25/04	AM
Xylenes, total	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW01

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	93	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	122	%	70 - 135
Surr3 - Toluene-d8	100	%	70 - 135
Surr4 - p-Bromofluorobenzene	101	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE
Matrix: WATER **Client Sample ID:** AOC2-MW01
Date Sampled: 06/21/2004
Time Sampled: 07:50
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531166 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW01

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	62			%	10 - 123	
2-Fluorobiphenyl (sur)	42			%	43 - 116	
2-Fluorophenol (sur)	25			%	21 - 110	
Nitrobenzene-d5 (sur)	36			%	34 - 114	
Phenol-d5 (sur)	17			%	10 - 110	
Terphenyl-d14 (sur)	68			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531167 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/25/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/25/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/25/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
2-Hexanone	ND	1	20	ug/L	06/25/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/25/04	AM
Acetone	ND	1	100	ug/L	06/25/04	AM
Acetonitrile	ND	1	50	ug/L	06/25/04	AM
Acrolein	ND	1	200	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531167 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	06/25/04	AM
Allyl chloride	ND	1	5	ug/L	06/25/04	AM
Benzene	ND	1	1	ug/L	06/25/04	AM
Benzyl chloride	ND	1	5	ug/L	06/25/04	AM
Bromobenzene	ND	1	5	ug/L	06/25/04	AM
Bromochloromethane	ND	1	5	ug/L	06/25/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/25/04	AM
Bromoform	ND	1	5	ug/L	06/25/04	AM
Bromomethane	ND	1	5	ug/L	06/25/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/25/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/25/04	AM
Chlorobenzene	ND	1	5	ug/L	06/25/04	AM
Chloroethane	ND	1	5	ug/L	06/25/04	AM
Chloroform	ND	1	5	ug/L	06/25/04	AM
Chloromethane	ND	1	5	ug/L	06/25/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/25/04	AM
Dibromomethane	ND	1	5	ug/L	06/25/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/25/04	AM
Ethyl benzene	ND	1	5	ug/L	06/25/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/25/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/25/04	AM
Iodomethane	ND	1	5	ug/L	06/25/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/25/04	AM
m and p-Xylene	ND	1	5	ug/L	06/25/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/25/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/25/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/25/04	AM
Methylene chloride	ND	1	5	ug/L	06/25/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531167 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 07:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Naphthalene	ND	1	5	ug/L	06/25/04 AM
o-Xylene	ND	1	5	ug/L	06/25/04 AM
p-Isopropyltoluene	ND	1	5	ug/L	06/25/04 AM
Pentachloroethane	ND	1	5	ug/L	06/25/04 AM
Propionitrile	ND	1	100	ug/L	06/25/04 AM
sec-Butylbenzene	ND	1	5	ug/L	06/25/04 AM
Styrene	ND	1	5	ug/L	06/25/04 AM
tert-Butylbenzene	ND	1	5	ug/L	06/25/04 AM
Tetrachloroethene	ND	1	5	ug/L	06/25/04 AM
Toluene	ND	1	5	ug/L	06/25/04 AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04 AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04 AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04 AM
Trichloroethene	ND	1	5	ug/L	06/25/04 AM
Trichlorofluoromethane	ND	1	5	ug/L	06/25/04 AM
Vinyl acetate	ND	1	50	ug/L	06/25/04 AM
Vinyl chloride	ND	1	5	ug/L	06/25/04 AM
Xylenes, total	ND	1	5	ug/L	06/25/04 AM
Surrogates				**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	90			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	102			%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

ime Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	66			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	90	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531168 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	57			%	10 - 123	
2-Fluorobiphenyl (sur)	44			%	43 - 116	
2-Fluorophenol (sur)	34			%	21 - 110	
Nitrobenzene-d5 (sur)	38			%	34 - 114	
Phenol-d5 (sur)	24			%	10 - 110	
Terphenyl-d14 (sur)	70			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131441, 131399, 131460, 131439, 131431, 131430, 131458

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
LCS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

Analysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

Method : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
n-Nitroso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: AOC 2

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/~~No~~
If yes was radioactivity results above 25 cpm ? Yes/~~No~~

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.1°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: M Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6.25.04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

Signed(QA Manager): [illegible] **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

131441

Page 1 of 1

Project Number: 90300624

Chain of Custody Number [1]: 62220041

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (10 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	HERBICIDES 8151A	PCB'S 8082	METALS 6010B 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW01	AOC2	21-06-2004	0750	18'-18'	N	1	WG	8	/	/	/	/	/	/					1
TRIP BLANKS	AOC2	21-06-2004	0750	0'-0'	TB			2	/										1

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: METAL SAMPLE UNFILTERED
PLEASE E-MAIL PDF FILE TO HOLLOMAN
PLEASE FAX RESULTS TO (505) 679-2148
FED EX # 845705832430

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. [signature]	6/23	40 10
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: FED EX. Airbill Number:

Analytical Lab: ASSOCIATED Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 131442
REPORTED 06/29/2004
RECEIVED 06/23/2004

PROJECT Holmn - AOC2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
531169	AOC2-MW03
531170	Trip Blanks
531171	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 531169 **Client:** BHATE
Matrix: WATER **Client Sample ID:** AOC2-MW03
Date Sampled: 06/21/2004
Time Sampled: 08:50
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	0.026	1	0.005	mg/L	06/24/04	KN
Barium	0.015	1	0.01	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	0.012	1	0.01	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/25/04	AF
C10 - C22	ND	1	0.2	mg/L	06/25/04	AF
C22 - C36	ND	1	0.3	mg/L	06/25/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	86			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 08:50
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW03

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	83			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW03

Date Sampled: 06/21/2004

Time Sampled: 08:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/25/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/25/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/25/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
2-Hexanone	ND	1	20	ug/L	06/25/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/25/04	AM
Acetone	ND	1	100	ug/L	06/25/04	AM
Acetonitrile	ND	1	50	ug/L	06/25/04	AM
Acrolein	ND	1	200	ug/L	06/25/04	AM
Acrylonitrile	ND	1	10	ug/L	06/25/04	AM
Allyl chloride	ND	1	5	ug/L	06/25/04	AM
Benzene	ND	1	1	ug/L	06/25/04	AM
Benzyl chloride	ND	1	5	ug/L	06/25/04	AM
Bromobenzene	ND	1	5	ug/L	06/25/04	AM
Bromochloromethane	ND	1	5	ug/L	06/25/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/25/04	AM
Bromoform	ND	1	5	ug/L	06/25/04	AM
Bromomethane	ND	1	5	ug/L	06/25/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/25/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/25/04	AM
Chlorobenzene	ND	1	5	ug/L	06/25/04	AM
Chloroethane	ND	1	5	ug/L	06/25/04	AM
Chloroform	ND	1	5	ug/L	06/25/04	AM
Chloromethane	ND	1	5	ug/L	06/25/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW03

Date Sampled: 06/21/2004

Time Sampled: 08:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/25/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/25/04	AM
Ethyl benzene	ND	1	5	ug/L	06/25/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/25/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/25/04	AM
Iodomethane	ND	1	5	ug/L	06/25/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/25/04	AM
m and p-Xylene	ND	1	5	ug/L	06/25/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/25/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/25/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/25/04	AM
Methylene chloride	ND	1	5	ug/L	06/25/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/25/04	AM
Naphthalene	ND	1	5	ug/L	06/25/04	AM
o-Xylene	ND	1	5	ug/L	06/25/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/25/04	AM
Pentachloroethane	ND	1	5	ug/L	06/25/04	AM
Propionitrile	ND	1	100	ug/L	06/25/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Styrene	ND	1	5	ug/L	06/25/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/25/04	AM
Toluene	ND	1	5	ug/L	06/25/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Trichloroethene	ND	1	5	ug/L	06/25/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/25/04	AM
Vinyl acetate	ND	1	50	ug/L	06/25/04	AM
Vinyl chloride	ND	1	5	ug/L	06/25/04	AM
Xylenes, total	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW03

Date Sampled: 06/21/2004

Time Sampled: 08:50

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	93	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117	%	70 - 135
Surr3 - Toluene-d8	96	%	70 - 135
Surr4 - p-Bromofluorobenzene	101	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169
Matrix: WATER
Date Sampled: 06/21/2004
Time Sampled: 08:50
Sampled By:

Client: BHATE
Client Sample ID: AOC2-MW03

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531169 **Client:** BHATE

Matrix: WATER **Client Sample ID:** AOC2-MW03

Date Sampled: 06/21/2004

Time Sampled: 08:50

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP

Surrogates		**Units**	**Control Limits**
2,4,6-Tribromophenol (sur)	42	%	10 - 123
2-Fluorobiphenyl (sur)	26	%	43 - 116
2-Fluorophenol (sur)	24	%	21 - 110
Nitrobenzene-d5 (sur)	26	%	34 - 114
Phenol-d5 (sur)	18	%	10 - 110
Terphenyl-d14 (sur)	65	%	33 - 141

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531170 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:50

npled By:

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/25/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/25/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/25/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/25/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/25/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/25/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/25/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
2-Hexanone	ND	1	20	ug/L	06/25/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/25/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/25/04	AM
Acetone	ND	1	100	ug/L	06/25/04	AM
Acetonitrile	ND	1	50	ug/L	06/25/04	AM
Acrolein	ND	1	200	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531170 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:50

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	06/25/04	AM
Allyl chloride	ND	1	5	ug/L	06/25/04	AM
Benzene	ND	1	1	ug/L	06/25/04	AM
Benzyl chloride	ND	1	5	ug/L	06/25/04	AM
Bromobenzene	ND	1	5	ug/L	06/25/04	AM
Bromochloromethane	ND	1	5	ug/L	06/25/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/25/04	AM
Bromoform	ND	1	5	ug/L	06/25/04	AM
Bromomethane	ND	1	5	ug/L	06/25/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/25/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/25/04	AM
Chlorobenzene	ND	1	5	ug/L	06/25/04	AM
Chloroethane	ND	1	5	ug/L	06/25/04	AM
Chloroform	ND	1	5	ug/L	06/25/04	AM
Chloromethane	ND	1	5	ug/L	06/25/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/25/04	AM
Dibromomethane	ND	1	5	ug/L	06/25/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/25/04	AM
Ethyl benzene	ND	1	5	ug/L	06/25/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/25/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/25/04	AM
Iodomethane	ND	1	5	ug/L	06/25/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/25/04	AM
m and p-Xylene	ND	1	5	ug/L	06/25/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/25/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/25/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/25/04	AM
Methylene chloride	ND	1	5	ug/L	06/25/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/25/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531170 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Trip Blanks

Date Sampled: 06/21/2004

Time Sampled: 08:50

npled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Naphthalene	ND	1	5	ug/L	06/25/04	AM
o-Xylene	ND	1	5	ug/L	06/25/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/25/04	AM
Pentachloroethane	ND	1	5	ug/L	06/25/04	AM
Propionitrile	ND	1	100	ug/L	06/25/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Styrene	ND	1	5	ug/L	06/25/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/25/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/25/04	AM
Toluene	ND	1	5	ug/L	06/25/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/25/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/25/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/25/04	AM
Trichloroethene	ND	1	5	ug/L	06/25/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/25/04	AM
Vinyl acetate	ND	1	50	ug/L	06/25/04	AM
Vinyl chloride	ND	1	5	ug/L	06/25/04	AM
Xylenes, total	ND	1	5	ug/L	06/25/04	AM
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	90			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135	
Surr3 - Toluene-d8	102			%	70 - 135	
Surr4 - p-Bromofluorobenzene	100			%	70 - 135	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
6010B ICP Metals - Solid/Liquid/Wipe						
Arsenic	ND	1	0.005	mg/L	06/24/04	KN
Barium	ND	1	0.010	mg/L	06/24/04	KN
Cadmium	ND	1	0.005	mg/L	06/24/04	KN
Chromium	ND	1	0.010	mg/L	06/24/04	KN
Lead	ND	1	0.005	mg/L	06/24/04	KN
Selenium	ND	1	0.006	mg/L	06/24/04	KN
Silver	ND	1	0.005	mg/L	06/24/04	KN
7470A Mercury in Water						
Mercury	ND	1	0.0004	mg/L	06/25/04	MS
8015 Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	06/24/04	AF
C10 - C22	ND	1	0.2	mg/L	06/24/04	AF
C22 - C36	ND	1	0.3	mg/L	06/24/04	AF
8082 - Polychlorinated Biphenyls (PCBs) by GC						
PCB-1016	ND	1	0.5	ug/L	06/25/04	RB
PCB-1221	ND	1	0.5	ug/L	06/25/04	RB
PCB-1232	ND	1	0.5	ug/L	06/25/04	RB
PCB-1242	ND	1	0.5	ug/L	06/25/04	RB
PCB-1248	ND	1	0.5	ug/L	06/25/04	RB
PCB-1254	ND	1	0.5	ug/L	06/25/04	RB
PCB-1260	ND	1	0.5	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCB(Sur)	70			%	60 - 130	
8151A Phenoxy Acid Herbicides						

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8151A Phenoxy Acid Herbicides						
2,4,5-T	ND	1	2.0	ug/L	06/25/04	RB
2,4,5-TP (Silvex)	ND	1	1.7	ug/L	06/25/04	RB
2,4-D	ND	1	12	ug/L	06/25/04	RB
2,4-DB	ND	1	9.1	ug/L	06/25/04	RB
Dalapon	ND	1	50.8	ug/L	06/25/04	RB
Dicamba	ND	1	2.7	ug/L	06/25/04	RB
Dichloroprop	ND	1	6.5	ug/L	06/25/04	RB
Dinoseb	ND	1	0.7	ug/L	06/25/04	RB
MCPA	ND	1	2490	ug/L	06/25/04	RB
MCPP	ND	1	1920	ug/L	06/25/04	RB
Surrogates				**Units**	**Control Limits**	
DCAA (sur)	66			%	50 - 125	

8260B Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
1,1-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	06/24/04	AM
1,2-Dibromoethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloroethane	ND	1	5	ug/L	06/24/04	AM
1,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,3-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1,3-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	06/24/04	AM
1-Chlorohexane	ND	1	5	ug/L	06/24/04	AM
2,2-Dichloropropane	ND	1	5	ug/L	06/24/04	AM
2-Butanone (MEK)	ND	1	100	ug/L	06/24/04	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	06/24/04	AM
2-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
2-Hexanone	ND	1	20	ug/L	06/24/04	AM
4-Chlorotoluene	ND	1	5	ug/L	06/24/04	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	06/24/04	AM
Acetone	ND	1	100	ug/L	06/24/04	AM
Acetonitrile	ND	1	50	ug/L	06/24/04	AM
Acrolein	ND	1	200	ug/L	06/24/04	AM
Acrylonitrile	ND	1	10	ug/L	06/24/04	AM
Allyl chloride	ND	1	5	ug/L	06/24/04	AM
Benzene	ND	1	1	ug/L	06/24/04	AM
Benzyl chloride	ND	1	5	ug/L	06/24/04	AM
Bromobenzene	ND	1	5	ug/L	06/24/04	AM
Bromochloromethane	ND	1	5	ug/L	06/24/04	AM
Bromodichloromethane	ND	1	5	ug/L	06/24/04	AM
Bromoform	ND	1	5	ug/L	06/24/04	AM
Bromomethane	ND	1	5	ug/L	06/24/04	AM
Carbon Disulfide	ND	1	5	ug/L	06/24/04	AM
Carbon tetrachloride	ND	1	5	ug/L	06/24/04	AM
Chlorobenzene	ND	1	5	ug/L	06/24/04	AM
Chloroethane	ND	1	5	ug/L	06/24/04	AM
Chloroform	ND	1	5	ug/L	06/24/04	AM
Chloromethane	ND	1	5	ug/L	06/24/04	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Dibromochloromethane	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 Client: BHATE

Matrix: WATER Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Dibromomethane	ND	1	5	ug/L	06/24/04	AM
Dichlorodifluoromethane	ND	1	5	ug/L	06/24/04	AM
Ethyl benzene	ND	1	5	ug/L	06/24/04	AM
Ethyl methacrylate	ND	1	50	ug/L	06/24/04	AM
Hexachlorobutadiene	ND	1	5	ug/L	06/24/04	AM
Iodomethane	ND	1	5	ug/L	06/24/04	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	06/24/04	AM
m and p-Xylene	ND	1	5	ug/L	06/24/04	AM
Methacrylonitrile	ND	1	35	ug/L	06/24/04	AM
Methyl methacrylate	ND	1	5	ug/L	06/24/04	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	06/24/04	AM
Methylene chloride	ND	1	5	ug/L	06/24/04	AM
n-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
n-Propylbenzene	ND	1	5	ug/L	06/24/04	AM
Naphthalene	ND	1	5	ug/L	06/24/04	AM
o-Xylene	ND	1	5	ug/L	06/24/04	AM
p-Isopropyltoluene	ND	1	5	ug/L	06/24/04	AM
Pentachloroethane	ND	1	5	ug/L	06/24/04	AM
Propionitrile	ND	1	100	ug/L	06/24/04	AM
sec-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Styrene	ND	1	5	ug/L	06/24/04	AM
tert-Butylbenzene	ND	1	5	ug/L	06/24/04	AM
Tetrachloroethene	ND	1	5	ug/L	06/24/04	AM
Toluene	ND	1	5	ug/L	06/24/04	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	06/24/04	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	06/24/04	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	06/24/04	AM
Trichloroethene	ND	1	5	ug/L	06/24/04	AM
Trichlorofluoromethane	ND	1	5	ug/L	06/24/04	AM
Vinyl acetate	ND	1	50	ug/L	06/24/04	AM
Vinyl chloride	ND	1	5	ug/L	06/24/04	AM
Xylenes, total	ND	1	5	ug/L	06/24/04	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

mpled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	

8260B Volatile Organic Compounds

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	89	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 135
Surr3 - Toluene-d8	102	%	70 - 135
Surr4 - p-Bromofluorobenzene	103	%	70 - 135

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,2-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,3-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
1,4-Dichlorobenzene	ND	1	10	ug/L	06/25/04	DP
2,4,5-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4,6-Trichlorophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dichlorophenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dimethylphenol	ND	1	10	ug/L	06/25/04	DP
2,4-Dinitrophenol	ND	1	50	ug/L	06/25/04	DP
2,4-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2,6-Dinitrotoluene	ND	1	10	ug/L	06/25/04	DP
2-Chloronaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Chlorophenol	ND	1	10	ug/L	06/25/04	DP
2-Methylnaphthalene	ND	1	10	ug/L	06/25/04	DP
2-Methylphenol	ND	1	10	ug/L	06/25/04	DP
2-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
2-Nitrophenol	ND	1	10	ug/L	06/25/04	DP
3,3-Dichlorobenzidine	ND	1	10	ug/L	06/25/04	DP
3-Methylphenol	ND	1	10	ug/L	06/25/04	DP
3-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4,6-Dinitro-2-methylphenol	ND	1	50	ug/L	06/25/04	DP
4-Bromophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP
4-Chloro-3-methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Chloroaniline	ND	1	10	ug/L	06/25/04	DP
4-Chlorophenyl-phenylether	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 Client: BHATE

Matrix: WATER Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Methylphenol	ND	1	10	ug/L	06/25/04	DP
4-Nitroaniline	ND	1	50	ug/L	06/25/04	DP
4-Nitrophenol	ND	1	50	ug/L	06/25/04	DP
Acenaphthene	ND	1	10	ug/L	06/25/04	DP
Acenaphthylene	ND	1	10	ug/L	06/25/04	DP
Anthracene	ND	1	10	ug/L	06/25/04	DP
Benzidine	ND	1	50	ug/L	06/25/04	DP
Benzo(a)anthracene	ND	1	10	ug/L	06/25/04	DP
Benzo(a)pyrene	ND	1	10	ug/L	06/25/04	DP
Benzo(b)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzo(g,h,i)perylene	ND	1	10	ug/L	06/25/04	DP
Benzo(k)fluoranthene	ND	1	10	ug/L	06/25/04	DP
Benzoic Acid	ND	1	10	ug/L	06/25/04	DP
Benzyl alcohol	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethoxy)methane	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroethyl)ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Chloroisopropyl) ether	ND	1	10	ug/L	06/25/04	DP
bis(2-Ethylhexyl)phthalate	ND	1	10	ug/L	06/25/04	DP
Butylbenzylphthalate	ND	1	10	ug/L	06/25/04	DP
Chrysene	ND	1	10	ug/L	06/25/04	DP
Di-n-butylphthalate	ND	1	10	ug/L	06/25/04	DP
Di-n-octylphthalate	ND	1	10	ug/L	06/25/04	DP
Dibenz(a,h)anthracene	ND	1	10	ug/L	06/25/04	DP
Dibenzofuran	ND	1	10	ug/L	06/25/04	DP
Diethylphthalate	ND	1	10	ug/L	06/25/04	DP
Dimethylphthalate	ND	1	10	ug/L	06/25/04	DP
Fluoranthene	ND	1	10	ug/L	06/25/04	DP
Fluorene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobenzene	ND	1	10	ug/L	06/25/04	DP
Hexachlorobutadiene	ND	1	10	ug/L	06/25/04	DP
Hexachlorocyclopentadiene	ND	1	10	ug/L	06/25/04	DP
Hexachloroethane	ND	1	10	ug/L	06/25/04	DP
Indeno(1,2,3-c,d)pyrene	ND	1	10	ug/L	06/25/04	DP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 531171 **Client:** BHATE

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Isophorone	ND	1	10	ug/L	06/25/04	DP
N-Nitroso-di-n-propylamine	ND	1	10	ug/L	06/25/04	DP
N-Nitrosodiphenylamine	ND	1	10	ug/L	06/25/04	DP
Naphthalene	ND	1	10	ug/L	06/25/04	DP
Nitrobenzene	ND	1	10	ug/L	06/25/04	DP
Pentachlorophenol	ND	1	50	ug/L	06/25/04	DP
Phenanthrene	ND	1	10	ug/L	06/25/04	DP
Phenol	ND	1	10	ug/L	06/25/04	DP
Pyrene	ND	1	10	ug/L	06/25/04	DP
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	57			%	10 - 123	
2-Fluorobiphenyl (sur)	44			%	43 - 116	
2-Fluorophenol (sur)	34			%	21 - 110	
Nitrobenzene-d5 (sur)	38			%	34 - 114	
Phenol-d5 (sur)	24			%	10 - 110	
Terphenyl-d14 (sur)	70			%	33 - 141	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-531107

Matrix: WATER

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131426, 131428, 131439, 131441, 131442, 131431, 131419, 131421, 131422, LR 131327, 131287

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0023	0.0023	115	115	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
RPD LIMITS = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0053	0.005	106	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: 131427-531107 QC# 062304W4

Matrix: WATER

Prep. Date: June 23, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131427, 131442, 131426, 131428, 131441, 131399, 131460, 131439, 131431, 131430, 131458

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
As	200.7 / 6010	0.027		1	0.92	0.89	89	86	3
Se	200.7 / 6010	0.006	U	1	0.82	0.79	82	79	4
Tl	* 200.7 / 6010	0.005	U	1	0.63	0.60	63	60	5
Pb	* 200.7 / 6010	0.005	U	1	0.63	0.61	63	61	3
Sb	200.7 / 6010	0.006	U	1	0.85	0.81	85	81	5
Ba	* 200.7 / 6010	0.014		1	0.80	0.71	79	70	12
Be	* 200.7 / 6010	0.005	U	1	0.78	0.70	78	70	11
Cd	* 200.7 / 6010	0.005	U	1	0.73	0.65	73	65	12
Cr	* 200.7 / 6010	0.013		1	0.78	0.72	77	71	8
Co	* 200.7 / 6010	0.005	U	1	0.70	0.62	70	62	12
Cu	* 200.7 / 6010	0.012		1	0.77	0.68	76	67	12
Mo	* 200.7 / 6010	0.068		1	0.82	0.79	75	72	4
Ni	* 200.7 / 6010	0.015	U	1	0.64	0.62	64	62	3
Ag	* 200.7 / 6010	0.005	U	1	0.41	0.37	82	74	10
V	200.7 / 6010	0.031		1	0.87	0.79	84	76	10
Zn	* 200.7 / 6010	0.027		1	0.70	0.63	67	60	11
Al	* 200.7 / 6010	0.024		1	0.71	0.62	69	60	14
Fe	* 200.7 / 6010	0.033		1	0.80	0.73	77	70	9
Mn	* 200.7 / 6010	0.056		1	0.80	0.72	74	66	11
B	* 200.7 / 6010	0.668		1	1.46	1.32	79	65	10

*** = Outside QC limits, due to matrix Interference**

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - *Not Detected*

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Ag	200.7 / 6010	0.95	1	95	80%	120%	0.005	U
Al	200.7 / 6010	1.98	2	99	80%	120%	0.030	U
As	200.7 / 6010	1.72	2	86	80%	120%	0.005	U
B	200.7 / 6010	1.96	2	98	80%	120%	0.050	U
Ba	200.7 / 6010	1.98	2	99	80%	120%	0.010	U
Be	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cd	200.7 / 6010	1.98	2	99	80%	120%	0.005	U
Co	200.7 / 6010	2.04	2	102	80%	120%	0.005	U
Cr	200.7 / 6010	2.03	2	102	80%	120%	0.010	U
Cu	200.7 / 6010	1.94	2	97	80%	120%	0.010	U
Fe	200.7 / 6010	2.04	2	102	80%	120%	0.020	U
Mn	200.7 / 6010	1.99	2	100	80%	120%	0.010	U
Mo	200.7 / 6010	2.00	2	100	80%	120%	0.010	U
Ni	200.7 / 6010	2.03	2	102	80%	120%	0.015	U
Pb	200.7 / 6010	1.94	2	97	80%	120%	0.005	U
Sb	200.7 / 6010	2.12	2	106	80%	120%	0.006	U
Se	200.7 / 6010	2.00	2	100	80%	120%	0.006	U
Tl	200.7 / 6010	2.00	2	100	80%	120%	0.005	U
V	200.7 / 6010	2.03	2	102	80%	120%	0.005	U
Zn	200.7 / 6010	1.94	2	97	80%	120%	0.010	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 131427-107

Matrix: WATER

Extraction Method : 3510 B

Prep. Date: June 24, 2004

Analysis Date: June 24, 2004

ID#'s in Batch: LR 131426, 131427, 131428, 131439, 131441, 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
DIESEL	8015D	ND	1	1.16	1.10	116	110	5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	0.89	1	89	70%	130%
LCSD	ND	0.93	1	93	70%	130%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	O-Terphenyl
QC Limit	55-200
MS	157
MSD	148
Method Blank	76
LCS	100
LCSD	108

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8082 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Analysis Date: 6/25/04

Batch Date: 6/24/04 (pcb 062404w)

Applies to: LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
Aroclor 1260	ND	5.00	4.32	4.39	86	88	2	35	45-125

ND = Not Detected
Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
D = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
Aroclor 1260	2.50	2.19	2.18	88	87	1	35	70-130

Method Blank = All ND (Not Detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8151 Preparative Method: EPA 3510

QC Sample: 131427-531107

Matrix: WATER

Date Analyzed : 6/25/04

Batch Date: 6/23/04 (herb 062304w)

Applies to: LR 131257, LR 131426, LR 131427, LR 131428, LR 131439, LR 131441 and LR 131442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
2,4-D	ND	4.00	2.57	2.82	64	70	9	35	50-150
2,4,5-TP (Silvex)	ND	4.00	3.07	3.34	77	83	8	35	50-150

ND = Not Detected
% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULTS
REPORTING UNITS = µg/L

Test	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
		LCS	LCSD	LCS	LCSD		RPD	% Rec
2,4-D	2.00	1.26	1.32	63	66	5	35	50-150
2,4,5-TP (Silvex)	2.00	1.43	1.53	72	77	7	35	50-150

Method Blank = All ND (not detected)
% Rec - LCS & LCSD = Percent Recovery from Lab Control Spike & Lab Control Spike Duplicate
RPD = Relative Percent Difference of Lab Control Spike and Lab Control Spike Duplicate recoveries

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 131126-532

.nalysis Date: June 25, 2004 9:00 AM

Applies to: LR 131426, 131427, 131428, 131439, 131441, 131442, 131418, 131397, 131308

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	47.74	47.55	95	95	0	22	59-172
MTBE	ND	50	43.03	44.27	86	89	3	24	62-137
Benzene	ND	50	46.95	47.16	94	94	0	24	62-137
Trichloroethene	ND	50	44.93	44.40	90	89	1	21	66-142
Toluene	ND	50	47.24	47.42	94	95	0	21	59-139
Chlorobenzene	ND	50	45.75	46.68	92	93	2	21	60-133

QC Sample: LCS/LCSD
Analysis Date: June 24, 2004 3:47 PM

ı Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.36	49.34	99	99	0	22	59-172
MTBE	ND	50	49.72	47.93	99	96	4	24	62-137
Benzene	ND	50	52.86	51.90	106	104	2	24	62-137
Trichloroethene	ND	50	48.02	49.57	96	99	3	21	66-142
Toluene	ND	50	48.11	50.30	96	101	4	21	59-139
Chlorobenzene	ND	50	49.64	52.18	99	104	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	88	89	92	92	93	91
1,2-DCA	113	109	107	108	105	103
Tol-d8	102	102	99	101	97	99
p-BFB	103	103	103	100	98	102

ASSOCIATED LABORATORIES

LCS REPORT FORM

:thod : EPA 8270/625

Prep. Method : 3510

QC Sample: LCS/LCSD

Matrix: WATER

Date Extracted : June 24, 2004

Date Analyzed : June 25, 2004

Applies to: LR 131427, 131428, 131426, 131439, 131441, 131442, 131434, 131437, 131257

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spike Dup	%Rec LCS	%Rec LCS-D	RPD	QC LIMITS RPD	QC LIMITS %REC
Phenol	ND	50	18	16	36	32	12	47	0-75
2-Chorophenol	ND	50	30	27	60	54	11	36	28-100
1,4-Dichlorobenzene	ND	50	19	18	38	36	5	58	30-89
troso-di-n-propylamine	ND	50	47	42	94	84	11	55	8-151
1,2,4-Trichlorobenzene	ND	50	23	20	46	40	14	43	32-88
4-Chloro-3-methylphenol	ND	50	33	28	66	56	16	42	32-103
Acenaphthene	ND	50	30	24	60	48	22	60	42-107
4-Nitrophenol	ND	50	11	11	22	22	0	57	0-103
2,4-Dinitrotoluene	ND	50	35	33	70	66	6	50	57-129
Pentachlorophenol	ND	50	17	15	34	30	13	42	6-148
Pyrene	ND	50	37	35	74	70	6	49	52-108

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: AOC 2

Date Cooler Received: 6/23 Date Cooler Opened: 6/23

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice X Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.2°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: MV Date: 6/23

Associated Laboratories

NON-CONFORMANCE DOCUMENTATION

DATE: 06-25-04
LABID:LR.131427
CLIENT ID:10177
DEPARTMENT:CHEMISTRY

DOCUMENT #:
TYPE OF NC:QA LIMITS
(QA Limits Client Req. Other)

Description of Non-Conformance: mercury-245.1

THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE NOT RECOVERED,65 AND 70 %

THE LCS,RECOVERY WAS 102%

THE INSTRUMENT CALIBRATION VERIFICATION RECOVERY WAS 101%.AND CCV RECOVERY WAS 102%.

SINCE ALL OTHER QUALITY CONTROL SAMPLES WERE WITHIN THE LIMITS THE MATRIX INTERFERENCE IS INDICATED.

THE SAME SAMPLES WERE RUN THE DAY BEFORE 06-24-04 WITH SIMILAR RESULTS.

Signed (Initiator): M. Szewczyk **Date:** 6.25.04

Description of Corrective Action:

A NON-CONFORMANCE REPORT WILL BE ATTACHED TO THE REPORT.

Signed (Supervisor): Barbara Sprunk **Date:** 6/25/04

QA Manager Approval:

igned(QA Manager): [illegible] **Date:** 6/25/04

BHATE

Environmental Engineers and Scientists

131442

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024

Chain of Custody Number [1]: 62220043

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC2

Client Name: USACE

Collected by: PETERS, GARRETT

Field Sample ID (10 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC 8260B	SVOC 8270C	TPH 8015	Herbicides 8151A	PCB's 8082	Metals 6010B 7470A			Matrix Description	Trip Blank Lot Control Number	Cooler ID
AOC2-MW03	AOC2	21-06-2004	0850	17'-17'	N	1	WG	8	/	/	/	/	/	/					3
TRIP BLANKS	AOC2	21-06-2004	0850	0'-0'	TB			2	/										3

Sample Analysis Requested [7]

Quality Assurance Samples [6]

COMMENTS: FED EX # 845705832451
PLEASE E-MAIL PDF FILE TO HOLLOMAN
PLEASE FAX RESULTS TO (505) 679-2148
*METAL SAMPLES FILTERED

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. GARRETT PETERS	6-22-2004	1400	1. Phung Vu	6/23	10:30
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: FED EX Airbill Number:

Analytical Lab: ASSOCIATES Delivery Location: ORANGE, CA.

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT BHATE (10177)
ATTN: Jerry Pelfry
1111 10th. Street
480
Alamorgordo, NM 88310

LAB REQUEST 137678
REPORTED 10/06/2004
RECEIVED 10/05/2004

PROJECT AOC2 903002401.02.03

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
560943	AOC2-TW01
560944	AOC2-TW02
560945	AOC2-TW03
560946	AOC2-TW04
560947	AOC2-TW05
560948	AOC2-TW06
560949	Trip Blank
560950	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by

Edward J. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 560943 **Client Sample ID**: AOC2-TW01

Matrix: WATER **Sample Description:** AOC2

Date Sampled: 10/03/2004
Time Sampled: 11:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
160.1	Filterable Residue (TDS)	24700	1	6.0	5.0	mg/L	10/05/04 LN
353.2	Nitrate+Nitrite (as N)	11.4	2	0.1	0.02	mg/L	10/05/04 CM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
= Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560944 **Client Sample ID**: AOC2-TW02

Matrix: WATER **Sample Description:** AOC2

Date Sampled: 10/03/2004
Time Sampled: 13:18

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst	
160.1	Filterable Residue (TDS)	19600	1	6.0	5.0	mg/L	10/05/04	LN
353.2	Nitrate+Nitrite (as N)	12.8	2	0.1	0.02	mg/L	10/05/04	CM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
U=Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560945 **Client Sample ID**: AOC2-TW03

Matrix: WATER **Sample Description:** AOC2

ate Sampled: 10/03/2004
ne Sampled: 13:57

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
160.1	Filterable Residue (TDS)	17300	1	6.0	5.0	mg/L	10/05/04 LN
353.2	Nitrate+Nitrite (as N)	5.8	1	0.05	0.02	mg/L	10/05/04 CM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560946 **Client Sample ID**: AOC2-TW04

Matrix: WATER **Sample Description:** AOC2

Date Sampled: 10/03/2004
Time Sampled: 15:28

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst	
160.1	Filterable Residue (TDS)	16600	1	6.0	5.0	mg/L	10/05/04	LN
353.2	Nitrate+Nitrite (as N)	7.0	1	0.05	0.02	mg/L	10/05/04	CM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
U = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560947 **Client Sample ID**: AOC2-TW05

Matrix: WATER **Sample Description:** AOC2

ate Sampled: 10/03/2004
ne Sampled: 14:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst	
160.1	Filterable Residue (TDS)	15400	1	6.0	5.0	mg/L	10/05/04	LN
353.2	Nitrate+Nitrite (as N)	5.6	1	0.05	0.02	mg/L	10/05/04	CM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560948 **Client Sample ID**: AOC2-TW06

Matrix: WATER **Sample Description:** AOC2

Date Sampled: 10/03/2004
Time Sampled: 16:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst	
160.1	Filterable Residue (TDS)	20600	1	6.0	5.0	mg/L	10/05/04	LN
353.2	Nitrate+Nitrite (as N)	4.2	1	0.05	0.02	mg/L	10/05/04	CM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
( )Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 560950 **Client Sample ID**: Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
160.1	Filterable Residue (TDS)	ND	1	6.0	5.0	mg/L	10/05/04 LN
353.2	Nitrate+Nitrite (as N)	ND	1	0.05	0.02	mg/L	10/05/04 CM

EOL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
: Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 137678-560943

Matrix: WATER

Prep. Date: October 5, 2004

Analysis Date: October 5, 2004

ID#'s in Batch: LR 137678

SAMPLE RESULT / SAMPLE DUPLICATE

Reporting Units = mg/L

Test	Method	Sample Result	Sample Duplicate	RPD
TDS	160-1 / 2540C	24,670	24,240	1.8

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 5 %

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK	LCS				
Value	Result	TRUE	% Rec	L. Limit	H. Limit
ND	300	293	102	90%	110%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample : LR 137678-560948

Matrix: WATER

Prep.Date: 10/05/2004

Analysis Date: 10/05/2004

Lab ID#'s in Batch: LR 137678

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Nitrate as N	353	4.21	5.00	9.27	9.38	101	103	1
Nitrite as N	353	ND	5.00	5.32	5.03	106	101	6

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%Rec Limits = 80 - 120
RPD Limits = 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP BLK Value	LCS Result	True	%Rec	L.Limit	H.Limit
Nitrate as N	353	ND	5.09	5.00	102	90%	110%
Nitrite as N	353	ND	5.09	5.00	102	90%	110%

VALUE = Preparation Blank Value; ND = Not-Detected
LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Bhate Project: AOC 2

Date Cooler Received: 10-5 Date Cooler Opened: 10-5

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 3.5°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH N/A

Any other important information: _____

Receiving Department: M Date: 10-5

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Project Number: 9030024 01.02.03

137678 Chain of Custody Number [1]: 100420041

LIMS Number:

Facility/Base I.D.: HOLMN

Project Name / Site Name AOC 2

Client Name: USACE

Collected by:D. Tucker

Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	nitrate + nitrite method 353	TDS method 160.1							Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
								Sample Analysis Requested [5]									Quality Assurance Samples [6]			
AOC2-TW01	AOC2	3-Oct-04	1135	10 - 20	N	1	WG	2	[1]	[1]										1,
AOC2-TW02	AOC2	3-Oct-04	1318	12 - 25	N	1	WG	2	[1]	[1]										1,
AOC2-TW03	AOC2	3-Oct-04	1357	11 - 15.5	N	1	WG	2	[1]	[1]										1,
AOC2-TW04	AOC2	3-Oct-04	1528	10.5 22	N	1	WG	2	[1]	[1]										1,
AOC2-TW05	AOC2	3-Oct-04	1435	10 20	N	1	WG	2	[1]	[1]										1,
AOC2-TW06	AOC2	3-Oct-04	1615	11.5 - 19	N	1	WG	2	[1]	[1]										1,
trip blank				-	TB			1	[1]	[1]									3-Oct-04	1,
				-																
				-																
				-																
				-																

COMMENTS: Attn: Daniele
Associated Laboratories, 806 Batavia, Orange, Ca 92868
714-538-1209
Fax analytical results to: 505-679-21Email results to: rrenvironmental@zianet.com, jpelfrey@bhate.com, dmeder@bhate.com, mdauben@bhate.com, keving@zianet.com

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	4-10-2004	1600	1.	10-5-10	20
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	Federal Express	Airbill Number:	8457 0583 3425
Analytical Lab:	Associated Labs	Delivery Location:	Orange, CA
Lab Recipient:		Delivery Date/Time:	

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

Southeast
ACCUTEST
Laboratories

10/07/05

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

9050109

Accutest Job Number: F34496

Sampling Date: 08/31/05

Report to:

Bhate Environmental Associates, Inc.

jmoore@bhate.com

ATTN: Jim Moore

Total number of pages in report: **10**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Sample Summary

Bhate Environmental Associates, Inc.

Job No: F34496

HOLMN
Project No: 9050109

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F34496-1	08/31/05	11:00 KG	09/01/05	SO	Soil	AOC-a-5.0
F34496-2	08/31/05	11:30 KG	09/01/05	SO	Soil	AOC-b-5.0
F34496-3	08/31/05	11:45 KG	09/01/05	AQ	Equipment Blank	AOC-EB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F34496

Site: HOLMN **Report Date** 9/13/2005 2:24:54 PM

3 Samples were collected on 08/31/2005 and were received at Accutest on 09/01/2005 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F34496. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8081A

Matrix: AQ **Batch ID:** OP14315

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

OP14315-BS: Insufficient sample for MS/MSD.

Matrix: SO **Batch ID:** OP14338

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F34496-2MS, F34496-2MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN18251

Sample(s) F34496-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: September 13, 2005

Svetlana Izosimova, QAO (Signature on file)

Report of Analysis

Client Sample ID:	AOC-a-5.0		
Lab Sample ID:	F34496-1	Date Sampled:	08/31/05
Matrix:	SO - Soil	Date Received:	09/01/05
Method:	SW846 8081A SW846 3550B	Percent Solids:	81.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09803.D	1	09/08/05	AA	09/07/05	OP14338	GKK363
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	2.0	0.81	ug/kg	
319-84-6	alpha-BHC	ND	2.0	0.81	ug/kg	
319-85-7	beta-BHC	ND	2.0	0.81	ug/kg	
319-86-8	delta-BHC	ND	2.0	0.81	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	0.81	ug/kg	
5103-71-9	alpha-Chlordane	ND	2.0	0.81	ug/kg	
5103-74-2	gamma-Chlordane	ND	2.0	0.81	ug/kg	
60-57-1	Dieldrin	ND	2.0	0.81	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	0.81	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	0.81	ug/kg	
50-29-3	4,4'-DDT	ND	4.0	1.2	ug/kg	
72-20-8	Endrin	ND	4.0	0.81	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	0.81	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	1.6	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	0.81	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	0.81	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	0.81	ug/kg	
76-44-8	Heptachlor	ND	2.0	0.81	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	0.81	ug/kg	
72-43-5	Methoxychlor	ND	4.0	1.6	ug/kg	
8001-35-2	Toxaphene	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		60-142%
2051-24-3	Decachlorobiphenyl	87%		61-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC-b-5.0		
Lab Sample ID:	F34496-2	Date Sampled:	08/31/05
Matrix:	SO - Soil	Date Received:	09/01/05
Method:	SW846 8081A SW846 3550B	Percent Solids:	77.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09804.D	1	09/08/05	AA	09/07/05	OP14338	GKK363
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	2.1	0.85	ug/kg	
319-84-6	alpha-BHC	ND	2.1	0.85	ug/kg	
319-85-7	beta-BHC	ND	2.1	0.85	ug/kg	
319-86-8	delta-BHC	ND	2.1	0.85	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	0.85	ug/kg	
5103-71-9	alpha-Chlordane	ND	2.1	0.85	ug/kg	
5103-74-2	gamma-Chlordane	ND	2.1	0.85	ug/kg	
60-57-1	Dieldrin	ND	2.1	0.85	ug/kg	
72-54-8	4,4'-DDD	ND	4.2	0.85	ug/kg	
72-55-9	4,4'-DDE	ND	4.2	0.85	ug/kg	
50-29-3	4,4'-DDT	ND	4.2	1.3	ug/kg	
72-20-8	Endrin	ND	4.2	0.85	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.2	0.85	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.2	1.7	ug/kg	
53494-70-5	Endrin ketone	ND	4.2	0.85	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	0.85	ug/kg	
33213-65-9	Endosulfan-II	ND	4.2	0.85	ug/kg	
76-44-8	Heptachlor	ND	2.1	0.85	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	0.85	ug/kg	
72-43-5	Methoxychlor	ND	4.2	1.7	ug/kg	
8001-35-2	Toxaphene	ND	210	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		60-142%
2051-24-3	Decachlorobiphenyl	90%		61-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC-EB		
Lab Sample ID:	F34496-3	Date Sampled:	08/31/05
Matrix:	AQ - Equipment Blank	Date Received:	09/01/05
Method:	SW846 8081A SW846 3510C	Percent Solids:	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09799.D	1	09/08/05	AA	09/02/05	OP14315	GKK363
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.015	ug/l	
319-85-7	beta-BHC	ND	0.050	0.020	ug/l	
319-86-8	delta-BHC	ND	0.050	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.010	ug/l	
60-57-1	Dieldrin	ND	0.050	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.040	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.050	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.040	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		60-138%
2051-24-3	Decachlorobiphenyl	41%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F34496

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9030024.03

P.O. _____

Chain of Custody Number [1] 083120052

LIMS Number: _____

Facility/Base I.D.: HOLMN

Project Name / Site Name: AOC-2

Client Name: USACE

Collected by: Germann, Kevin

	Field Sample ID (10 Character Max)	BHATE LOCID (12 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (military) (hh:mm)	Sample Depth (beginning - ending)		SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	Pesticides 8081A								Matrix Description	Trip Blank Lot Control Number	Code ID
1	AOC-a-5.0	AOC-2	31-Aug-05	11:00	4	5	N	1	SO	1	E4								Soil Boring		2
2	AOC-b-5.0	AOC-2	31-Aug-05	11:30	4	5	N	1	SO	1	E5								Soil Boring		2
3	AOC-EB	AOC-2	31-Aug-05	11:45	0	0	ER	1	AQ	1	E6								Equipment Blank		2
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] — Quality Assurance Samples [6]

COMMENTS: Please Fax Results to 505-679-2148

Email PDF to trenvironmental@zianet.com, keving@zianet.com, dmeder@bhate.com

Please Include Bldg 9 and Matrix Description in Lab Report.

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. [signature]	8/31/2005	1600	1. [signature]	9-1-05	9:00
2. [signature]			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: Fedex Airbill Number: _____

Analytical Lab: Accutest SE Delivery Location: Orlando, FL

Lab Recipient: _____ Delivery Date/Time: _____

2.4

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02 1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Sample, FR = Field Replicate (-b) Sample, ER = Equipment Blank (-d) Sample, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number assigned from a particular location per day (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, If sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: OS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SS = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each

6.) Quality assurance samples are assigned by data (dd-mmm-yy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099-01) in the Equipment Blank Lot Control

4.1

4

F34496: Chain of Custody

Page 1 of 2

ACCUTEST.

F34496

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F34496 CLIENT: BHate PROJECT: AOC-2

DATE/TIME RECEIVED: 9-1-05/ 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8457-0583-5093

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS: Recieved only one liter amber (8081A) for sample AOC-3-EB.

TECHNICIAN SIGNATURE/DATE: Steven Cannon/9-1-05 TECHNICIAN SIGNATURE/DATE: [illegible]

ASBD06/22/05

F34496: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F34496

Southeast
ACCUTEST
Laboratories

10/05/05

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

9030024.03

Accutest Job Number: F34833

Sampling Dates: 09/12/05 - 09/13/05

Report to:

Bhate Environmental

MDAuben@bhate.com

ATTN: Mike DAuben

Total number of pages in report: **29**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Sample Summary

Bhate Environmental Associates, Inc.

Job No: F34833

HOLMN
Project No: 9030024.03

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F34833-1	09/12/05	13:50 DT	09/14/05	AQ	Ground Water	AOC2-TW01
F34833-2	09/12/05	12:58 DT	09/14/05	AQ	Ground Water	AOC2-TW02
F34833-3	09/13/05	08:05 DT	09/14/05	AQ	Ground Water	AOC2-TW03
F34833-4	09/13/05	10:15 DT	09/14/05	AQ	Ground Water	AOC2-TW04
F34833-5	09/13/05	08:40 DT	09/14/05	AQ	Ground Water	AOC2-TW05
F34833-6	09/12/05	12:20 DT	09/14/05	AQ	Ground Water	AOC2-TW06
F34833-7	09/13/05	00:00 DT	09/14/05	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F34833

Site: HOLMN **Report Date** 10/3/2005 9:20:25 AM

6 Samples, 1 Trip Blank were collected on between 09/12/2005 and 09/13/2005 and were received at Accutest on 09/14/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F34833. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ752

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 2-Chloroethyl vinyl ether, Bromoform are outside control limits. Biased high, not detected in the sample, data not adversely affected.

Extractables by GC By Method SW846 8081A

Matrix: AQ **Batch ID:** OP14435

All samples were extracted within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

OP14435-BS: Insufficient sample for MS/MSD.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: October 03, 2005

Svetlana Izosimova, QAO (signature on file)

Report of Analysis

Client Sample ID:	AOC2-TW01		
Lab Sample ID:	F34833-1	**Date Sampled:**	09/12/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09913.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.057	0.023	ug/l	
319-84-6	alpha-BHC	ND	0.057	0.017	ug/l	
319-85-7	beta-BHC	ND	0.057	0.023	ug/l	
319-86-8	delta-BHC	ND	0.057	0.023	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.057	0.017	ug/l	
5103-71-9	alpha-Chlordane	ND	0.057	0.011	ug/l	
5103-74-2	gamma-Chlordane	ND	0.057	0.011	ug/l	
60-57-1	Dieldrin	ND	0.057	0.011	ug/l	
72-54-8	4,4'-DDD	ND	0.11	0.023	ug/l	
72-55-9	4,4'-DDE	ND	0.11	0.023	ug/l	
50-29-3	4,4'-DDT	ND	0.11	0.023	ug/l	
72-20-8	Endrin	ND	0.11	0.045	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	0.023	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	0.045	ug/l	
53494-70-5	Endrin ketone	ND	0.11	0.023	ug/l	
959-98-8	Endosulfan-I	ND	0.057	0.011	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	0.023	ug/l	
76-44-8	Heptachlor	ND	0.057	0.023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.057	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.11	0.045	ug/l	
8001-35-2	Toxaphene	ND	2.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		60-138%
2051-24-3	Decachlorobiphenyl	67%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	AOC2-TW02		
Lab Sample ID:	F34833-2	**Date Sampled:**	09/12/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09914.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.053	0.021	ug/l	
319-84-6	alpha-BHC	ND	0.053	0.016	ug/l	
319-85-7	beta-BHC	ND	0.053	0.021	ug/l	
319-86-8	delta-BHC	ND	0.053	0.021	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.053	0.016	ug/l	
5103-71-9	alpha-Chlordane	ND	0.053	0.011	ug/l	
5103-74-2	gamma-Chlordane	ND	0.053	0.011	ug/l	
60-57-1	Dieldrin	ND	0.053	0.011	ug/l	
72-54-8	4,4'-DDD	ND	0.11	0.021	ug/l	
72-55-9	4,4'-DDE	ND	0.11	0.021	ug/l	
50-29-3	4,4'-DDT	ND	0.11	0.021	ug/l	
72-20-8	Endrin	ND	0.11	0.042	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	0.021	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	0.042	ug/l	
53494-70-5	Endrin ketone	ND	0.11	0.021	ug/l	
959-98-8	Endosulfan-I	ND	0.053	0.011	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	0.021	ug/l	
76-44-8	Heptachlor	ND	0.053	0.021	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.053	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.11	0.042	ug/l	
8001-35-2	Toxaphene	ND	2.6	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		60-138%
2051-24-3	Decachlorobiphenyl	100%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC2-TW03		
Lab Sample ID:	F34833-3	**Date Sampled:**	09/13/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09915.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.051	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.051	0.015	ug/l	
319-85-7	beta-BHC	ND	0.051	0.020	ug/l	
319-86-8	delta-BHC	ND	0.051	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.051	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.051	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.051	0.010	ug/l	
60-57-1	Dieldrin	ND	0.051	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.041	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.041	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.051	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.051	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.051	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.041	ug/l	
8001-35-2	Toxaphene	ND	2.6	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		60-138%
2051-24-3	Decachlorobiphenyl	102%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4 3

Client Sample ID:	AOC2-TW04		
Lab Sample ID:	F34833-4	**Date Sampled:**	09/13/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09916.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.051	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.051	0.015	ug/l	
319-85-7	beta-BHC	ND	0.051	0.020	ug/l	
319-86-8	delta-BHC	ND	0.051	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.051	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.051	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.051	0.010	ug/l	
60-57-1	Dieldrin	ND	0.051	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.040	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.051	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.051	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.051	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.040	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		60-138%
2051-24-3	Decachlorobiphenyl	94%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC2-TW05		
Lab Sample ID:	F34833-5	**Date Sampled:**	09/13/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09917.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.051	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.051	0.015	ug/l	
319-85-7	beta-BHC	ND	0.051	0.020	ug/l	
319-86-8	delta-BHC	ND	0.051	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.051	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.051	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.051	0.010	ug/l	
60-57-1	Dieldrin	ND	0.051	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.040	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.051	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.051	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.051	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.040	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		60-138%
2051-24-3	Decachlorobiphenyl	100%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC2-TW06		
Lab Sample ID:	F34833-6	**Date Sampled:**	09/12/05
Matrix:	AQ - Ground Water	**Date Received:**	09/14/05
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK09918.D	1	09/19/05	AA	09/16/05	OP14435	GKK368
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.051	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.051	0.015	ug/l	
319-85-7	beta-BHC	ND	0.051	0.020	ug/l	
319-86-8	delta-BHC	ND	0.051	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.051	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.051	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.051	0.010	ug/l	
60-57-1	Dieldrin	ND	0.051	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.040	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.051	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.051	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.051	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.040	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		60-138%
2051-24-3	Decachlorobiphenyl	101%		31-148%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F34833-7	**Date Sampled:**	09/13/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/14/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J018197.D	1	09/28/05	MM	n/a	n/a	VJ752
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	10	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.60	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F34833-7	**Date Sampled:**	09/13/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/14/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10		ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.60	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F34833-7	**Date Sampled:**	09/13/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/14/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		86-115%
17060-07-0	1,2-Dichloroethane-D4	119%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		83-119%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F34833

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

F34833

Page 1 of 1

Project Number: 9030024.03

Chain of Custody Number [1]: 091320051

LIMS Number:

Facility/Base LD : HOLMN

Project Name / Site Name AOC 2

Client Name: USACE

Collected by:D. Tucker

	Field Sample ID (10 Character Max)	RRPOB LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	Pesticides Only	Method 8081							Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Count ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	AOC2-TW01	AOC2	12-Sep-05	13:50	10 - 20	N	1	WG	1	M											1,
2	AOC2-TW02	AOC2	12-Sep-05	12:58	12 - 25	N	1	WG	1	M											1,
3	AOC2-TW03	AOC2	13-Sep-05	8:05	11 - 20	N	1	WG	1	M											1,
4	AOC2-TW04	AOC2	13-Sep-05	10:15	10.5 22	N	1	WG	1	M											1,
5	AOC2-TW05	AOC2	13-Sep-05	8:40	10 20	N	1	WG	1	M											1,
6	AOC2-TW06	AOC2	12-Sep-05	12:20	11 - 19	N	1	WG	1	M											1,
7	trip blank				-	TB			1	M										13-Sep-05	1,
					-																
					-																
					-																
					-																

COMMENTS: Attn: Sample Receiving
Accutest Laboritories
4405 Vineland rd STE C15 Orolando FL 32811
Fax analytical results to: 505-679-21 Email results to: rrenvironmental@zlanet.com, dneeder@bhate.com, mdauben@bhate.com, keving@zlanet.com

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. [signature]	09-13-2005	1600	1. Fx		
2. FX			2. [signature]	9/14/05	9:00
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:
Method of Shipment: Federal Express Airbill Number: 8530 7647 3846
Analytical Lab: Accutest Labs Delivery Location: Orlando FL
Lab Recipient: Delivery Date/Time:

2.0

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-a) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SS = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

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F34833: Chain of Custody
Page 1 of 2

ACCUTEST

F34833

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F34833 CLIENT: BHate PROJECT: AOC 2

DATE/TIME RECEIVED: 9-14-05 / 9100 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 4530-7647-3886

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS: Recieven only one vial for T.B. Recieven only one 1Liter Amber per sample.

TECHNICIAN SIGNATURE/DATE [signature] 9-14-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

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F34833: Chain of Custody
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GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-MB	J018196.D	1	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	10	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.60	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-MB	J018196.D	1	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10		ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.60	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-MB	J018196.D	1	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	116%	73-126%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	93%	83-119%

Blank Spike Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-BS	J018195.D	1	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	103	82	44-142
75-05-8	Acetonitrile	250	219	88	50-150 [a]
107-02-8	Acrolein	125	106	85	32-168
107-13-1	Acrylonitrile	125	77.4	62	35-130
107-05-1	Allyl chloride	25	22.2	89	50-150 [a]
71-43-2	Benzene	25	27.2	109	80-120
100-44-7	Benzyl Chloride	25	23.6	94	50-150 [a]
108-86-1	Bromobenzene	25	25.0	100	76-114
74-97-5	Bromochloromethane	25	26.9	108	75-121
75-27-4	Bromodichloromethane	25	24.1	96	75-120
75-25-2	Bromoform	25	36.1	144*	60-129
104-51-8	n-Butylbenzene	25	20.7	83	76-122
135-98-8	sec-Butylbenzene	25	21.3	85	84-122
98-06-6	tert-Butylbenzene	25	21.7	87	77-124
108-90-7	Chlorobenzene	25	24.7	99	82-112
75-00-3	Chloroethane	25	24.2	97	67-148
67-66-3	Chloroform	25	24.9	100	78-118
544-10-5	1-Chlorohexane	25	26.4	106	82-130
95-49-8	o-Chlorotoluene	25	20.7	83	80-121
106-43-4	p-Chlorotoluene	25	22.0	88	78-120
110-75-8	2-Chloroethyl vinyl ether	125	284	227*	23-132
75-15-0	Carbon disulfide	25	25.0	100	65-147
56-23-5	Carbon tetrachloride	25	26.8	107	69-137
75-34-3	1,1-Dichloroethane	25	22.5	90	75-117
75-35-4	1,1-Dichloroethylene	25	21.3	85	67-134
563-58-6	1,1-Dichloropropene	25	25.8	103	84-127
96-12-8	1,2-Dibromo-3-chloropropane	25	21.9	88	54-125
106-93-4	1,2-Dibromoethane	25	23.0	92	68-116
107-06-2	1,2-Dichloroethane	25	22.8	91	68-121
78-87-5	1,2-Dichloropropane	25	23.3	93	78-122
142-28-9	1,3-Dichloropropane	25	22.5	90	72-116
594-20-7	2,2-Dichloropropane	25	25.3	101	68-134
124-48-1	Dibromochloromethane	25	22.0	88	68-118
75-71-8	Dichlorodifluoromethane	25	23.6	94	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.3	101	81-120
10061-01-5	cis-1,3-Dichloropropene	25	23.2	93	73-115

Blank Spike Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-BS	J018195.D	1	09/28/05	MM	n/a	n/a	VJ752

5.2 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene		16.5		50-150 [a]
541-73-1	m-Dichlorobenzene	25	23.3	93	78-116
95-50-1	o-Dichlorobenzene	25	24.5	98	77-115
106-46-7	p-Dichlorobenzene	25	23.6	94	77-113
156-60-5	trans-1,2-Dichloroethylene	25	21.9	88	74-125
10061-02-6	trans-1,3-Dichloropropene	25	24.2	97	69-115
100-41-4	Ethylbenzene	25	24.3	97	82-115
97-63-2	Ethyl methacrylate	25	25.0	100	50-150 [a]
76-13-1	Freon 113	25	25.2	101	72-148
591-78-6	2-Hexanone	125	97.2	78	60-125
87-68-3	Hexachlorobutadiene	25	26.4	106	62-138
110-54-3	Hexane	25	22.6	90	70-148
98-82-8	Isopropylbenzene	25	29.4	118	83-129
99-87-6	p-Isopropyltoluene	25	22.5	90	85-125
108-10-1	4-Methyl-2-pentanone	125	100	80	61-128
126-98-7	Methacrylonitrile	250	338	135	50-150 [a]
74-83-9	Methyl bromide	25	26.7	107	60-165
74-87-3	Methyl chloride	25	20.1	80	58-152
74-88-4	Methyl iodide	25	27.5	110	61-140
80-62-6	Methyl methacrylate	25	20.3	81	71-128
74-95-3	Methylene bromide	25	24.4	98	75-114
75-09-2	Methylene chloride	25	20.0	80	66-125
78-93-3	Methyl ethyl ketone	125	104	83	58-127
1634-04-4	Methyl Tert Butyl Ether	25	28.5	114	67-127
91-20-3	Naphthalene	25	26.1	104	62-129
76-01-7	Pentachloroethane	25	29.1	116	50-150 [a]
107-12-0	Propionitrile	250	252	101	50-150 [a]
103-65-1	n-Propylbenzene	25	21.9	88	80-122
100-42-5	Styrene	25	22.7	91	58-125
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	73-118
71-55-6	1,1,1-Trichloroethane	25	26.7	107	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	29.9	120*	67-119
79-00-5	1,1,2-Trichloroethane	25	23.9	96	74-115
87-61-6	1,2,3-Trichlorobenzene	25	31.3	125	65-125
96-18-4	1,2,3-Trichloropropane	25	23.2	93	68-114
120-82-1	1,2,4-Trichlorobenzene	25	24.7	99	66-122

Blank Spike Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ752-BS	J018195.D	1	09/28/05	MM	n/a	n/a	VJ752

5.2 5

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	21.3	85	77-119
108-67-8	1,3,5-Trimethylbenzene	25	21.6	86	81-120
127-18-4	Tetrachloroethylene	25	27.7	111	75-126
108-88-3	Toluene	25	23.7	95	81-114
79-01-6	Trichloroethylene	25	25.3	101	80-115
75-69-4	Trichlorofluoromethane	25	28.3	113	65-163
110-57-6	Trans-1,4-Dichloro-2-Butene	25	17.7	71	38-130
75-01-4	Vinyl chloride	25	25.5	102	70-151
108-05-4	Vinyl Acetate	125	54.8	44	42-146
	m,p-Xylene	50	49.8	100	83-118
95-47-6	o-Xylene	25	25.7	103	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	86-115%
17060-07-0	1,2-Dichloroethane-D4	113%	73-126%
2037-26-5	Toluene-D8	92%	86-112%
460-00-4	4-Bromofluorobenzene	87%	83-119%

(a) Advisory control limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34853-10MS	J018205.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10MSD	J018206.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018198.D	1	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018204.D	10	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	F34853-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		1250	831	66	829	66	0	45-127/15
75-05-8	Acetonitrile	20 U		2500	2520	101	2500	100	1	50-150/30 [a]
107-02-8	Acrolein	10 U		1250	993	79	1010	81	2	26-185/18
107-13-1	Acrylonitrile	10 U		1250	796	64	799	64	0	39-140/12
107-05-1	Allyl chloride	10 U		250	201	80	201	80	0	50-150/30 [a]
71-43-2	Benzene	1.0 U		250	284	114	272	109	4	72-125/7
100-44-7	Benzyl Chloride	1.0 U		250	229	92	233	93	2	50-150/30 [a]
108-86-1	Bromobenzene	1.0 U		250	236	94	240	96	2	72-113/10
74-97-5	Bromochloromethane	1.0 U		250	266	106	258	103	3	73-121/9
75-27-4	Bromodichloromethane	1.0 U		250	251	100	243	97	3	72-120/8
75-25-2	Bromoform	1.0 U		250	325	130*	322	129*	1	55-127/11
104-51-8	n-Butylbenzene	1.0 U		250	230	92	209	84	10	69-122/10
135-98-8	sec-Butylbenzene	1.0 U		250	216	86	213	85	1	75-125/9
98-06-6	tert-Butylbenzene	1.0 U		250	227	91	223	89	2	70-125/12
108-90-7	Chlorobenzene	1.0 U		250	248	99	242	97	2	79-113/7
75-00-3	Chloroethane	2.0 U		250	449	180*	439	176*	2	56-164/14
67-66-3	Chloroform	1.0 U		250	258	103	251	100	3	75-120/8
544-10-5	1-Chlorohexane	2.0 U		250	251	100	249	100	1	77-127/9
95-49-8	o-Chlorotoluene	1.0 U		250	209	84	209	84	0	76-122/9
106-43-4	p-Chlorotoluene	1.0 U		250	223	89	225	90	1	73-120/9
110-75-8	2-Chloroethyl vinyl ether	5.0 U		1250	1550	124	852	68	58*	8-137/18
75-15-0	Carbon disulfide	2.0 U		250	259	104	251	100	3	60-151/12
56-23-5	Carbon tetrachloride	1.0 U		250	273	109	265	106	3	56-145/12
75-34-3	1,1-Dichloroethane	1.0 U		250	238	95	229	92	4	70-122/10
75-35-4	1,1-Dichloroethylene	6.3		250	235	91	226	88	4	61-137/15
563-58-6	1,1-Dichloropropene	1.0 U		250	265	106	257	103	3	80-126/9
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		250	247	99	244	98	1	49-127/18
106-93-4	1,2-Dibromoethane	1.0 U		250	222	89	228	91	3	67-113/10
107-06-2	1,2-Dichloroethane	1.0 U		250	255	102	251	100	2	64-124/7
78-87-5	1,2-Dichloropropane	1.0 U		250	234	94	234	94	0	74-123/8
142-28-9	1,3-Dichloropropane	1.0 U		250	230	92	228	91	1	70-116/8
594-20-7	2,2-Dichloropropane	1.0 U		250	258	103	246	98	5	64-133/13
124-48-1	Dibromochloromethane	1.0 U		250	215	86	219	88	2	63-119/9
75-71-8	Dichlorodifluoromethane	1.0 U		250	317	127	353	141	11	35-184/21
156-59-2	cis-1,2-Dichloroethylene	393 [b]		250	628	94	614	88	2	74-125/9
10061-01-5	cis-1,3-Dichloropropene	1.0 U		250	220	88	215	86	2	65-112/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34853-10MS	J018205.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10MSD	J018206.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018198.D	1	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018204.D	10	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	F34853-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10 U			45.6		56.9		22	50-150/30 [a]
541-73-1	m-Dichlorobenzene	1.0 U		250	226	90	227	91	0	74-114/7
95-50-1	o-Dichlorobenzene	1.0 U		250	239	96	238	95	0	73-114/8
106-46-7	p-Dichlorobenzene	1.0 U		250	235	94	232	93	1	74-112/7
156-60-5	trans-1,2-Dichloroethylene	23.3		250	244	88	237	85	3	70-127/11
10061-02-6	trans-1,3-Dichloropropene	1.0 U		250	236	94	234	94	1	59-116/11
100-41-4	Ethylbenzene	1.0 U		250	251	100	246	98	2	73-119/8
97-63-2	Ethyl methacrylate	5.0 U		250	249	100	252	101	1	50-150/30 [a]
76-13-1	Freon 113	1.0 U		250	273	109	255	102	7	67-151/14
591-78-6	2-Hexanone	5.0 U		1250	1030	82	1010	81	2	54-131/11
87-68-3	Hexachlorobutadiene	2.0 U		250	232	93	235	94	1	52-133/13
110-54-3	Hexane	2.0 U		250	235	94	227	91	3	62-153/12
98-82-8	Isopropylbenzene	1.0 U		250	291	116	286	114	2	79-127/8
99-87-6	p-Isopropyltoluene	1.0 U		250	224	90	222	89	1	77-126/8
108-10-1	4-Methyl-2-pentanone	5.0 U		1250	1160	93	1140	91	2	57-136/11
126-98-7	Methacrylonitrile	20 U		2500	3480	139	3400	136	2	50-150/30 [a]
74-83-9	Methyl bromide	2.0 U		250	483	193*	472	189*	2	52-172/16
74-87-3	Methyl chloride	2.0 U		250	280	112	302	121	8	53-155/19
74-88-4	Methyl iodide	5.0 U		250	246	98	250	100	2	52-141/12
80-62-6	Methyl methacrylate	5.0 U		250	206	82	212	85	3	76-115/11
74-95-3	Methylene bromide	2.0 U		250	253	101	253	101	0	73-115/9
75-09-2	Methylene chloride	5.0 U		250	211	84	206	82	2	61-129/11
78-93-3	Methyl ethyl ketone	5.0 U		1250	1040	83	1020	82	2	51-128/10
1634-04-4	Methyl Tert Butyl Ether	1.0 U		250	287	115	292	117	2	61-129/9
91-20-3	Naphthalene	2.0 U		250	239	96	245	98	2	52-127/13
76-01-7	Pentachloroethane	10 U		250	267	107	265	106	1	50-150/30 [a]
107-12-0	Propionitrile	20 U		2500	2630	105	2660	106	1	50-150/30 [a]
103-65-1	n-Propylbenzene	1.0 U		250	223	89	223	89	0	73-123/10
100-42-5	Styrene	1.0 U		250	226	90	222	89	2	64-124/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		250	252	101	247	99	2	69-118/8
71-55-6	1,1,1-Trichloroethane	1.0 U		250	272	109	268	107	1	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		250	324	130*	324	130*	0	64-120/10
79-00-5	1,1,2-Trichloroethane	1.0 U		250	250	100	247	99	1	72-116/9
87-61-6	1,2,3-Trichlorobenzene	1.0 U		250	260	104	263	105	1	58-121/12
96-18-4	1,2,3-Trichloropropane	2.0 U		250	253	101	251	100	1	63-116/13
120-82-1	1,2,4-Trichlorobenzene	1.0 U		250	213	85	217	87	2	58-120/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34853-10MS	J018205.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10MSD	J018206.D	10	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018198.D	1	09/28/05	MM	n/a	n/a	VJ752
F34853-10	J018204.D	10	09/28/05	MM	n/a	n/a	VJ752

The QC reported here applies to the following samples: **Method:** SW846 8260B

F34833-7

CAS No.	Compound	F34853-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0 U		250	217	87	215	86	1	68-122/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		250	216	86	215	86	0	70-125/9
127-18-4	Tetrachloroethylene	1.0 U		250	246	98	247	99	0	70-126/9
108-88-3	Toluene	1.0 U		250	237	95	235	94	1	67-123/8
79-01-6	Trichloroethylene	644 [b]		250	897	101	854	84	5	73-117/10
75-69-4	Trichlorofluoromethane	2.0 U		250	495	198*	480	192*	3	52-164/16
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		250	60.0	24*	72.3	29	19	27-131/22
75-01-4	Vinyl chloride	5.2		250	388	153	423	167*	9	63-161/18
108-05-4	Vinyl Acetate	10 U		1250	601	48	593	47	1	37-154/10
	m,p-Xylene	2.0 U		500	515	103	498	100	3	74-123/7
95-47-6	o-Xylene	1.0 U		250	256	102	251	100	2	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F34853-10	F34853-10	Limits
1868-53-7	Dibromofluoromethane	106%	105%	108%	110%	86-115%
17060-07-0	1,2-Dichloroethane-D4	129%*	126%	119%	128%*	73-126%
2037-26-5	Toluene-D8	91%	92%	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	89%	92%	99%	102%	83-119%

(a) Advisory control limits.
(b) Result is from Run #2.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14435-MB	KK09912.D	1	09/19/05	AA	09/16/05	OP14435	GKK368

The QC reported here applies to the following samples: **Method:** SW846 8081A

F34833-1, F34833-2, F34833-3, F34833-4, F34833-5, F34833-6

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.050	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.050	0.015	ug/l	
319-85-7	beta-BHC	ND	0.050	0.020	ug/l	
319-86-8	delta-BHC	ND	0.050	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	0.015	ug/l	
5103-71-9	alpha-Chlordane	ND	0.050	0.010	ug/l	
5103-74-2	gamma-Chlordane	ND	0.050	0.010	ug/l	
60-57-1	Dieldrin	ND	0.050	0.010	ug/l	
72-54-8	4,4'-DDD	ND	0.10	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.10	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.10	0.020	ug/l	
72-20-8	Endrin	ND	0.10	0.040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	0.040	ug/l	
53494-70-5	Endrin ketone	ND	0.10	0.020	ug/l	
959-98-8	Endosulfan-I	ND	0.050	0.010	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	0.020	ug/l	
76-44-8	Heptachlor	ND	0.050	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	0.010	ug/l	
72-43-5	Methoxychlor	ND	0.10	0.040	ug/l	
8001-35-2	Toxaphene	ND	2.5	1.3	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	96%	60-138%
2051-24-3	Decachlorobiphenyl	97%	31-148%

Blank Spike Summary

Job Number: F34833
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14435-BS [a]	KK09911.D	1	09/19/05	AA	09/16/05	OP14435	GKK368

The QC reported here applies to the following samples: **Method:** SW846 8081A

F34833-1, F34833-2, F34833-3, F34833-4, F34833-5, F34833-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.5	0.51	102	70-127
319-84-6	alpha-BHC	0.5	0.54	108	65-136
319-85-7	beta-BHC	0.5	0.53	106	68-133
319-86-8	delta-BHC	0.5	0.48	96	48-126
58-89-9	gamma-BHC (Lindane)	0.5	0.55	110	69-137
5103-71-9	alpha-Chlordane	0.5	0.52	104	74-127
5103-74-2	gamma-Chlordane	0.5	0.56	112	75-130
60-57-1	Dieldrin	0.5	0.55	110	76-131
72-54-8	4,4'-DDD	0.5	0.66	132	76-140
72-55-9	4,4'-DDE	0.5	0.56	112	73-137
50-29-3	4,4'-DDT	0.5	0.67	134	74-134
72-20-8	Endrin	0.5	0.58	116	78-134
1031-07-8	Endosulfan sulfate	0.5	0.57	114	73-127
7421-93-4	Endrin aldehyde	0.5	0.19	38	5-104
53494-70-5	Endrin ketone	0.5	0.58	116	80-128
959-98-8	Endosulfan-I	0.5	0.53	106	76-128
33213-65-9	Endosulfan-II	0.5	0.55	110	77-131
76-44-8	Heptachlor	0.5	0.63	126	62-137
1024-57-3	Heptachlor epoxide	0.5	0.54	108	74-130
72-43-5	Methoxychlor	0.5	0.63	126	77-131

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	105%	60-138%
2051-24-3	Decachlorobiphenyl	105%	31-148%

(a) Insufficient sample for MS/MSD.

APPENDIX G

DATA QUALITY CONTROL SUMMARY REPORTS

QUALITY CONTROL SUMMARY REPORT

Project Name -	Holloman – AOC2
Analytical Lab -	Associated Laboratories, Orange, CA
Sample Delivery Groups -	129829, 129834, 129835, 129884, 129954, 129955, 131426, 131427, 131428, 131439, 131441, 131442, and 137678
Analyses -	Soil and water samples for VOC, SVOC, TPH, Herbicides, PCB, Metals, TDS, and Nitrate/Nitrite
Prepared by -	Michael J. D'Auben, Bhate Environmental, Birmingham, AL

I. SAMPLE CUSTODY AND PRESERVATION

All samples were properly packaged and preserved, and received by the laboratory.

II. HOLDING TIMES

All holding times were within project specific sample holding time.

III. BLANKS

All blank sample results were within project specific QC.

IV. LABORATORY CONTROL SAMPLES (LCS)

All Laboratory Control Sample results were found to be within historical QC limits.

V. SURROGATES

All Laboratory Surrogate results were within project specific QC limits with the following exceptions.

The recovery for one of the volatile surrogates in sample AOC2-SB03-3 exceeded the associated QC limit. Since no positive results were reported from this sample, no qualification is required.

The SVOC recoveries for two surrogates from sample AOC2-MW06 were below the associated QC limit. This may indicate a low bias to the data and all SVOC results should be considered estimated "J" or "UJ".

The SVOC recoveries for two surrogates from sample AOC2-MW02 were below the associated QC limit. This may indicate a low bias to the data and all SVOC results should be considered estimated "J" or "UJ".

The SVOC recoveries for two surrogates from sample AOC2-MW01 were below the associated QC limit. This may indicate a low bias to the data and all SVOC results should be considered estimated "J" or "UJ".

The SVOC recoveries for two surrogates from sample AOC2-MW03 were below the associated QC limit. This may indicate a low bias to the data and all SVOC results should be considered estimated "J" or "UJ".

VI. MATRIX SPIKE SAMPLE (MS) / MATRIX DUPLICATE SAMPLE (MSD)

All Matrix Spike and Matrix Spike Duplicate (MS/MSD) results were within project specific QC limits with the following exceptions.

Summary of Qualified Data
Holloman Air Force Base – AOC2
May – October 2004

Sample ID	Parameter	Qualifier
AOC2-MW04	Cadmium	UJ
AOC2-MW04	Chromium	J
AOC2-MW04	Lead	UJ
AOC2-MW04	Silver	UJ
AOC2-MW04-a	Barium	J
AOC2-MW04-a	Cadmium	UJ
AOC2-MW04-a	Chromium	J
AOC2-MW04-a	Lead	UJ
AOC2-MW04-a	Silver	UJ
AOC2-MW05	Barium	J
AOC2-MW05	Cadmium	UJ
AOC2-MW05	Chromium	J
AOC2-MW05	Lead	UJ
AOC2-MW05	Mercury	UJ
AOC2-MW05	Silver	UJ
AOC2-SB01-3	None	None
AOC2-SB01-9	None	None
AOC2-SB03-3	None	None
AOC2-SB03-9	None	None
AOC2-SB04-3	None	None
AOC2-SB04-9	None	None

Summary of Qualified Data
Holloman Air Force Base – AOC2
May – October 2004

Sample ID	Parameter	Qualifier
AOC2-SB05-3	MTBE	UJ
AOC2-SB05-3	Silver	UJ
AOC2-SB05-3-a	MTBE	UJ
AOC2-SB05-3-a	Silver	UJ
AOC2-SB05-9	MTBE	UJ
AOC2-SB05-9	Silver	UJ
AOC2-SB05-9-a	MTBE	UJ
AOC2-SB05-9-a	Silver	UJ
AOC2-SB06-3	MTBE	UJ
AOC2-SB06-3	Silver	UJ
AOC2-SB06-6	MTBE	UJ
AOC2-SB06-6	Silver	UJ
AOC2-SB2-3	Silver	UJ
AOC2-SB2-9	Silver	UJ

Data Validation Report

This report contains the results of the review and validation of the specified data package performed by Judy Solomon, Bhate Environmental Associates, Birmingham, Alabama.

Introduction

This data validation report is for samples taken from Holloman Air Force Base, New Mexico, on August 31, 2005. Soil samples were taken from the AOC-2, at a depth of 5 feet. All samples were analyzed by Accutest Laboratories of Orlando, Florida. The specific samples included in this validation are:

Sample ID	Matrix	Collection Date	Lab SDG	Analyses
AOC-a-5.0	Soil	08/31/05	F34496	Pesticides
AOC-b-5.0	Soil	08/31/05	F34496	Pesticides
AOC-EB	Water	08/31/05	F34496	Pesticides

This data was validated against the laboratory's QA/QC limits using the guidelines and practices promulgated in the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (USEPA, July 2002).

Sample Handling and Holding times

All samples were properly preserved and transferred under chain-of-custody to the laboratory for analysis. All samples were extracted and analyzed within the required holding times.

Blanks

The laboratory method blanks associated with both the soil and water samples, were in control for all analysis. No pesticide constituents were reported in the blanks above the Method Detection Limit (MDL).

Matrix spike/matrix spike duplicates

All matrix spike/matrix spike duplicate results were within project specific QC limits for the percent recoveries (%Rs), and the Relative Percent Differences (RPDs).

Blank spike sample/surrogates

The blank spike sample was used as the laboratory control sample for pesticide analysis. All pesticide constituents were found to be within project specific QC limits for %Rs. The surrogate recoveries for all samples, blanks, and blank spikes, were within project specific QC limits.

Project specific quality assurance/quality control

One equipment blank was collected in the field and analyzed for pesticides. No pesticides were detected in the equipment blank, and all associated QC data were within the project specific QC limits.

Compound quantitation and reporting limits

All of the sample results were reported down to the laboratory MDLs. None of the samples displayed elevated RLs due to dilutions or interferences.

Overall assessment of data

Overall, the data is suitable for the intended data usage. All analyses were performed, and the data met the required QC criteria. All analyses were completed, and no data was rejected due to QC failure. The data is 100% complete.

Data Validation Report

This report contains the results of the review and validation of the specified data package performed by Judy Solomon, Bhate Environmental Associates, Birmingham, Alabama.

Introduction

This data validation report is for samples taken from Holloman Air Force Base, New Mexico, on September 12 - 13, 2005. Water samples were taken from the AOC-2, and submitted to Accutest Laboratories of Orlando, Florida for analysis. The specific samples included in this validation are:

Sample ID	Matrix	Collection Date	Lab SDG	Analyses
AOC-TW01	Water	09/12/05	F34833	Pesticides (SW8081A)
AOC-TW02	Water	09/12/05	F34833	Pesticides (SW8081A)
AOC-TW03	Water	09/13/05	F34833	Pesticides (SW8081A)
AOC-TW04	Water	09/13/05	F34833	Pesticides (SW8081A)
AOC-TW05	Water	09/13/05	F34833	Pesticides (SW8081A)
AOC-TW06	Water	09/12/05	F34833	Pesticides (SW8081A)
Trip Blank	Water	09/13/05	F34833	VOA (SW8260B)

This data was validated against the laboratory's QA/QC limits using the guidelines and practices promulgated in the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (USEPA, July 2002).

Sample Handling and Holding times

All samples were properly preserved and transferred under chain-of-custody to the laboratory for analysis. The trip blank was analyzed beyond the holding time for VOA analysis. Although volatile organic compounds were not detected in the trip blank, all non-detects were qualified UJ (undetected estimated). All field samples were extracted and analyzed within the required holding times.

Blanks

The laboratory method blanks associated with the water samples, were in control for all analysis. No pesticide or VOC constituents were reported in the method blanks above the Method Detection Limit (MDL).

Matrix spike/matrix spike duplicates

Numerous compounds were outside the project specific QC limits for VOC analysis. The trip blank was the only affected sample. No qualification was required based on MS/MSD data alone.

A MS/MSD sample set was not analyzed for the pesticide analysis due to lack of sample volume. The pesticide method evaluation will heavily depend on the blank spike data.

Blank spike sample/surrogates

The blank spike sample was used as the laboratory control sample for pesticide analysis. All pesticide constituents were found to be within project specific QC limits for %Rs. The VOC blank spike %Rs were outside of the project specific QC limits for the following compounds:

- Bromoform
- 2-Chloroethyl vinyl ether
- 1,1,2,2-Tetrachloroethane

The above compounds were not detected in the trip blank. Qualification of the trip blank was not required.

The surrogate recoveries for all samples, blanks, and blank spikes, were within project specific QC limits for the pesticide analysis. The surrogate 1,2-dichloroethane-d4 in the VOC MS sample was beyond the %R limit. The trip blank was the only sample affected. Because no compounds were detected, qualification of the trip blank was not required.

Project specific quality assurance/quality control

One trip blank was collected in the field and analyzed for VOCs. No VOCs were detected in the trip blank, and all associated QC data were within the project specific QC limits except where noted above.

Compound quantitation and reporting limits

All of the sample results were reported down to the laboratory MDLs. None of the samples displayed elevated RLs due to dilutions or interferences.

Overall assessment of data

Overall, the data is suitable for the intended data usage. All analyses were performed, and the data met the required QC criteria. All analyses were completed, and no data was rejected due to QC failure. The data is 100% complete.

APPENDIX H

PROJECT VARIANCE FORMS

BHATE

VARIANCE FORM

No. 1

Project/Phase Number: DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 3 May 2004	Date of Form Completion: 3 May 2004

Original Requirement: To analyze for the analytes and use the methodologies outlined on page 2-4, Section 2.2.5.

Requirement Reference: AOC-2 PA/SI Work Plan, page 2-4, Section 2.2.5.

Variance: Include for analysis Herbicides/8151A and PCBs/ 8082.

Reason for Variance: NMED requested that Herbicides and PCBs be included in the suite of analytes to be tested for.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	4-28-04	Kevin Germann	4-28-04
Dave Rizzuto	4-28-04	Rafe Jones	4-28-04
Chuck Schick	4-28-04	Mike D'Auben	4-28-04

BHATE

VARIANCE FORM

No. 2

Project/Phase Number: DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 4 May 2004	Date of Form Completion: 4 May 2004

Original Requirement: The analytical work for this project was to be performed by ELAB of Tennessee, 227 French Landing Drive, Nashville, TN 37228.

Requirement Reference: AOC-2 Quality Assurance Project Plan Addendum.

Variance: The analytical work for this project will be performed by Associated Labs, 806 North Batavia, Orange, CA 92868

POC: Kristen Telephone : (714) 771-6900

Reason for Variance: Associated Labs provides the same scope of services, but has more flexible hours for sample shipments/deliveries and is more flexible with short notice turn around times.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	4-28-04	Kevin Germann	4-28-04
Dave Rizzuto	4-28-04	Rafe Jones	4-28-04
Chuck Schick	4-28-04	Mike D'Auben	4-28-04

BHATE

VARIANCE FORM

No. 3

Project/Phase Number: DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 4 May 2004	Date of Form Completion: 4 May 2004

Original Requirement: Per Page 2-5, Table 2-2, the matrix outlines the analytical requirements for AOC-2. Row 1, column 2 calls for 2 trip blanks to be included with the TPH -GRO, -DRO, and -ORO samples by Method 8015.

Requirement Reference: AOC-2 PA/SI Work Plan, page 2-5, Table 2-2.

Variance: Do not include the trip blanks with these samples.

Reason for Variance: Trip blanks are not required for the shipment of samples analyzed for TPH -GRO, -DRO, and -ORO by Method 8015.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	4-28-04	Kevin Germann	4-28-04
Dave Rizzuto	4-28-04	Rafe Jones	4-28-04
Chuck Schick	4-28-04	Mike D'Auben	4-28-04

BHATE

VARIANCE FORM

No. 4

Project/Phase Number: DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 3 May 2004	Date of Form Completion: 17 May 2004

Original Requirement: Jerry Pelfrey is designated to be the Field Team Leader, Table 7-1, page 7-1.

Requirement Reference: AOC-2 PA/SI Work Plan, Table 7-1, page 7-1.

Variance: Mark Mumby, PG (Bhate Associates) will be assigned as the Field Team Leader.

Reason for Variance: Mark Mumby, PG is available to execute this leadership role.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	4-28-04	Kevin Germann	4-28-04
Dave Rizzuto	4-28-04	Rafe Jones	4-28-04
Chuck Schick	4-28-04	Mike D'Auben	4-28-04

VARIANCE FORM

No. 5

Project/Phase Number: DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 18 May 2004	Date of Form Completion: 17 May 2004

Original Requirement: Per page 2-5, Table 2-2, the matrix outlines the analytical requirements for AOC-2. Row 1, column 2 calls for 17 samples. Row 1, column 3 calls for 9 samples. Row 3, column 3 calls for 8 samples. Row 3, column 3 calls for 8 samples. Row 4, column 3 calls for 8 samples.

Requirement Reference: AOC-2 PA/SI Work Plan, page 2-5, Table 2-2.

Variance: Change to: Row 1, column 2 to 15 samples. Row 1, column 3 to 8 samples. Row 3, column 3 to 7 samples. Row 4, column 3 to 7 samples.

Reason for Variance: Changes should reflect the approval of AOC-2 Variance Form No. 3, and correct math errors in rows 3 and 4, column 3.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	5-17-04	Kevin Germann	5-17-04
Dave Rizzuto	5-17-04	Rafe Jones	5-17-04
Mark Mumby	5-17-04	Mike D'Auben	5-17-04

BHATE

VARIANCE FORM

No. 6

Project/Phase Number:DACA45-02-D-0012, DO#005, 9030024, 01.02	Site Name: AOC-2
Site Manager/Supervisor: Jerry Pelfrey	Location: Holloman AFB, NM
Date Variance Takes Effect: 28 May 2004	Date of Form Completion: 28 May 2004

Original Requirement: The AOC-2 PA/SI Work Plan, page 2-4, Section 2.2.4, outlines the methodology for sampling groundwater. The 2nd paragraph of the section states that water quality parameters will be collected using a flow through cell.

Requirement Reference: AOC-2 PA/SI Work Plan, page 2-4, Section 2.2.4.

Variance: Eliminate the requirement for the collection of water quality parameters using a flow through cell.

Reason for Variance: As stated in the 1st paragraph of Section 2.2.4, "collection methods may warrant changes during the investigation." During the development of the six groundwater sampling points, it was noted that the recovery was slow ~ 0.1 inch/hour and the yield was low. Because the goal of the investigation is to determine if the soils and groundwater are contaminated, and due to the low yield of the sampling points, it is requested that the use of a flow through cell to collect water quality parameters be eliminated.

Approved by:

Name	Organization	Date

Communicated to the following Project Team Members:

Name	Date	Name	Date
Frank Gardner	5-28-04	Kevin Germann	5-28-04
Dave Rizzuto	5-28-04	Rafe Jones	5-28-04
Mark Mumby	5-28-04	Mike D'Auben	5-28-04