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FINAL REPORT.

RADIUM DIAL SHOP SEWER SITE ASSESSMENT REPORT

NAVAL AIR STATION PENSACOLA PENSACOLA, FLORIDA

JANUARY 1992

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SOUTH CAROLINA
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RADIUM DIAL SHOP SEWER
SITE ASSESSMENT REPORT

NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

January 20, 1992

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FOREWORD

The Department of the Navy developed the Installation Restoration (IR) Program to locate, identify, and remediate environmental contamination from the past disposal of hazardous materials at Navy and Marine Corps installations. The Navy IR Program follows the Department of Defense's Environmental Restoration Program as created by the Superfund Amendments and Reauthorization Act of 1986.

The IR Program consists of three phases. Phase one consists of the Preliminary Assessment and Site Inspection to identify the location (site) and presence of pollutants and assess their potential or actual threat to public health and the environment. Phases two and three are initiated based in the degree of threat and the need for remediation of the contamination. Phase two consists of a Remedial Investigation and Feasibility Study to analyze the site contamination and determine the optimum remediation solution. Phase three is the implementation of the solution.

Preliminary Assessment results for Naval Air Station (NAS) Pensacola indicated potential past releases to the environment at the Radium Dial Shop and adjacent sewer. A Site Assessment, presented herein, has been performed to verify the absence or presence and nature of contamination. Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) has assisted NAS Pensacola in implementing this program.

Questions regarding this report should be addressed to the Commanding Officer, NAS Pensacola, Florida or the SOUTHNAWACENGCOM, Code 11515, at AUTOVON 563-0571 or (803) 743-0571.

EXECUTIVE SUMMARY

A soil boring investigation was conducted at two sites (Site 25 and Site 27) located downgradient of the former Radium Dial Shop Sewer at the Naval Air Station in Pensacola, Florida. A total of 74 soil samples were collected. The investigation was conducted to determine whether either of the two sites had been impacted by runoff from the Radium Dial Shop or the adjacent sewer. The sites are proposed for a Cold Storage Facility for the Naval Supply Center in Pensacola. All investigative activities were conducted in a manner intended to preserve the integrity of each sample, as described in the Statement of Work (SOW) included in Subcontract 1-08-265 (ABB 1991) for the site investigation of the Radium Dial Shop Sewer.

The analyses chosen for the investigation included U.S. Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste (SW-846) Method 8240 (EPA 1986b) for volatile organic compounds (VOCs), EPA SW-846 Method 8270 (EPA 1986b) for semivolatile organic compounds (SVOCs), a total alpha scan for gross alpha radiation, and EPA SW-846 Method 9315 (EPA 1986b) for ^{226}Ra. Environmental Science and Engineering (ESE) was the subcontracted laboratory for all analyses. Radionuclide analyses were conducted by ESE in Gainesville, Florida, and organic analyses were conducted by ESE in Denver, Colorado. Both laboratories are approved Naval Energy and Environmental Support Activity (NEESA) laboratories. All data analyses and results were conducted and prepared in accordance with NEESA Quality Assurance Level C (NEESA 1988). The VOC and SVOC analyses were conducted in a manner consistent with the EPA Contract Laboratory Program SOW for Organic Analysis, SOW No. 2/88 (EPA 1988). The only major problems reported include ESE's misplacement of two samples for VOC and SVOC analyses and ESE's breakage of a third sample for radionuclide analyses.

Results of analyses conclude that there has been no apparent significant impact on the shallow subsurface soils at either site downgradient of the Radium Dial Shop Sewer. No gross alpha or ^{226}Ra contamination was detected above federal allowable limits (EPA 1983), and only one sample contained a reportable amount of an organic compound above the contract required detection limit (CRDL). The sample collected from the northeast comer of Site 27 was reported to have 95 mg/kg di-n-octylphthalate. No cleanup action is anticipated because the amount of di-n-octylphthalate detected at Site 27 is below the Florida Department of Environmental Regulation (FDER) cleanup criteria of 147 mg/kg for soil (Mora-Applegate 1991). Tt is recommended that caution be practiced during further development of this area. Several samples had detections of acetone and bis(2-ethylhexyl)phthalate, both of which are common laboratory and/or field sampling artifacts; therefore, these compounds are not determined to be contaminants at either site. The reported concentrations for acetone are well below the FDER cleanup criteria for soil (Mora-Applegate 1991) [there is no listed criteria for bis(2-ethylhexyl)phthalate]. Other compounds that were detected in the soil samples below the CRDL were also well below the FDER cleanup criteria for soil (FDER 1989).

ACKNOWLEDGMENT

The author would like to acknowledge Kimberly Queen, Engineer-in-Charge, of the Department of the Navy, Southern Division for her *courtesy* to the field crew and her guidance with the site investigation of the Radium Dial Shop Sewer. The author would also like to acknowledge Ron Joyner, Facilities Management, NAS Pensacola, for his courteous cooperation with coordination of the field activities.

The author extends her thanks to Jim Wallace, Michael Keirn, and Kathy Hodak of ABB Environmental Services for their courteous guidance, patience, and cooperation. The author would also like to thank the Groundwater Protection, Inc. representatives and the ESE laboratory staff for their hard work which enabled the investigation to be completed.

Special acknowledgments are extended to Walter Oldendorf of Radian Corporation for supplying health and safety monitoring during the investigation and sharing his expertise in radiologic aspects involved with the investigation. The author would also like to thank Vickie Davis of Radian Corporation for her hard work in helping to produce this final document.

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GLOSSARY

CLP	Contract Laboratory Program
CRDL	contract required detection limit
COC	chain-of-custody
EPA	U.S. Environmental Protection Agency
ESE	Environmental Science and Engineering
FDER	Florida Department of Environmental Control
µg/kg	microgram/killigram
	microgram/liter
mg/kg	milligram/killigram
MS	matrix spike
MSD	matrix spike duplicate
NAS	Naval Air Station
NEESA	Naval Energy and Environmental Support Activity
No.	number
ppb	parts per billion
ppm	parts per million
QA	quality assurance
QC	quality control
^{226}Ra	radium isotope 226
SDG	sample delivery group
SOW	Statement of Work
SVOC	semivolatile organic compound
TIC	tentatively identified compound
VOC	volatile organic compound

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A soil contamination survey was conducted at 2 sites downgradient of the former Radium Dial Shop and adjacent sewer at NAS Pensacola, Florida. A total of 74 soil samples were collected Analyses included gross alpha radiation, ^{226}Ra, and volatile and semivolatile organic compounds. The investigation was conducted to determine whether the uta have been impacted by runoff from the Radium Dial Shop or adjacent sewer. Results indicated no apparent significant impact on the soils at either site. No radionuclide contamination was detected above federal limits. One sample contained an organic compound (95 mg/kg of di-n-octylphthalate) above the contract required detection limit. No cleanup action is anticipated because the di-n-octylphthalate level was below Florida's soil cleanup criterion of 147 mg/kg.

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CHAPTER 1.0 INTRODUCTION

Two sites at the Naval Air Station (NAS) in Pensacola, Florida, were the subject of a soil boring investigation conducted to determine whether shallow subsurface soils had been impacted by runoff from the former Radium Dial Shop or the adjacent sewer. The sites, located downgradient of the Radium Dial Shop Sewer area, are proposed for a Cold Storage Facility for the Naval Supply Center in Pensacola. The investigation has been conducted under the Navy Installation Restoration Program to ensure that the Sites are free of contamination before further development is initiated.

1.1 LAND USE Figure 1-1 is a map of Pensacola showing the NAS location. Figure 1-2 is an installation map of the NAS facility. Figure 1-3 shows the locations of Site 27 and Site 25 in relation to the location of the former Radium Dial Shop Sewer. Two buildings exist on Site 27, which is approximately 0.75 acre and is generally covered with grass. Site 25 is a storage yard used to store wrecked helicopters and other damaged aviation equipment. Site 25 is approximately 0.25 acre, and the ground surface is covered with a metal grid.

1.2 TOPOGRAPHY AND LITHOLOGY The local topography of NAS Pensacola has little relief. The area lies within the coastal plain, and the eastern boundary of the base is Pensacola Bay which feeds into the Gulf of Mexico. The soils found in the area generally consist of well sorted, fine to medium grained sands ranging in color from yellow and tan to orange and brown. Boring logs were not required for the investigation. Soil descriptions of each sample were recorded in the field logbook. Groundwater was not encountered in any of the soil borings.

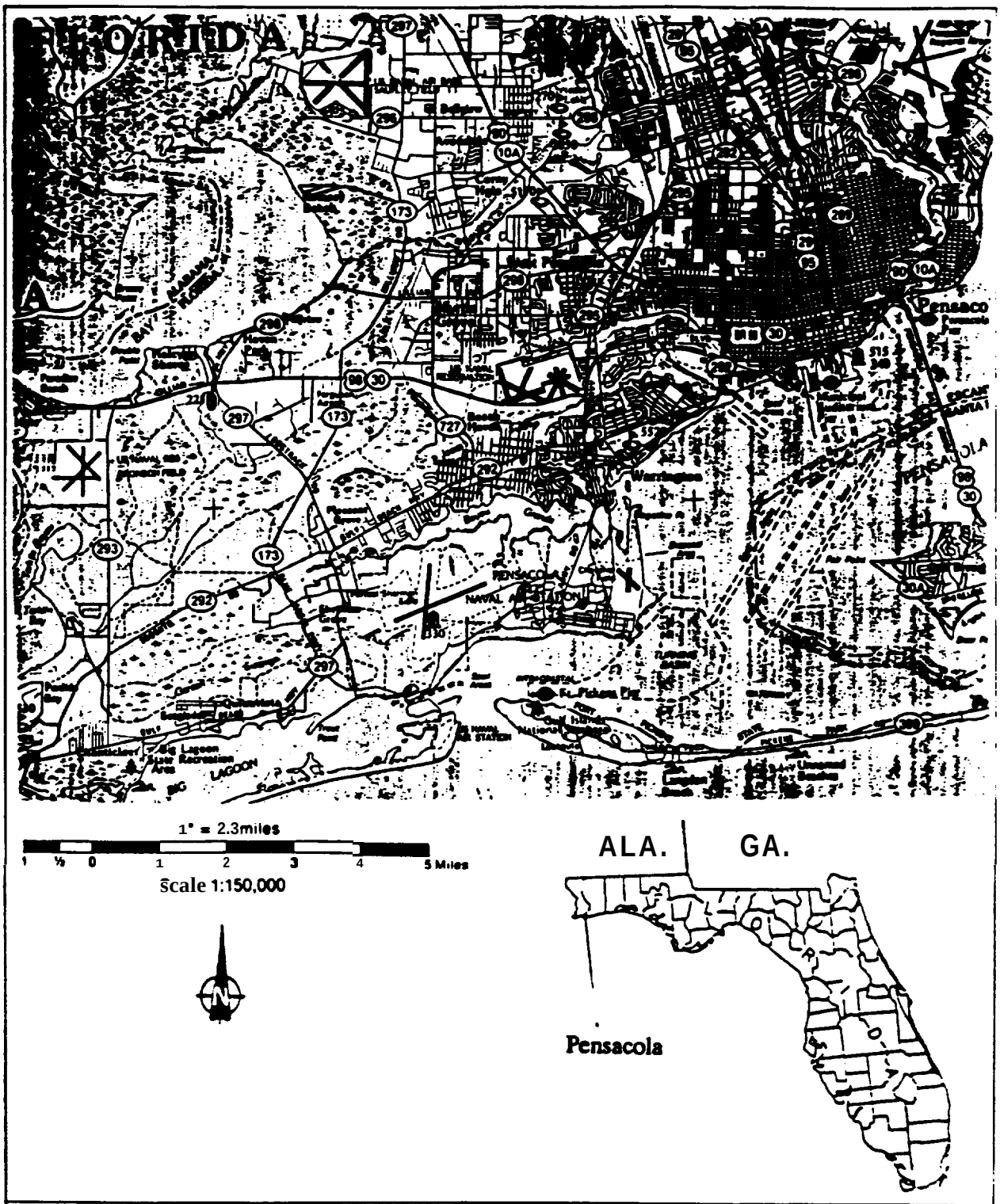
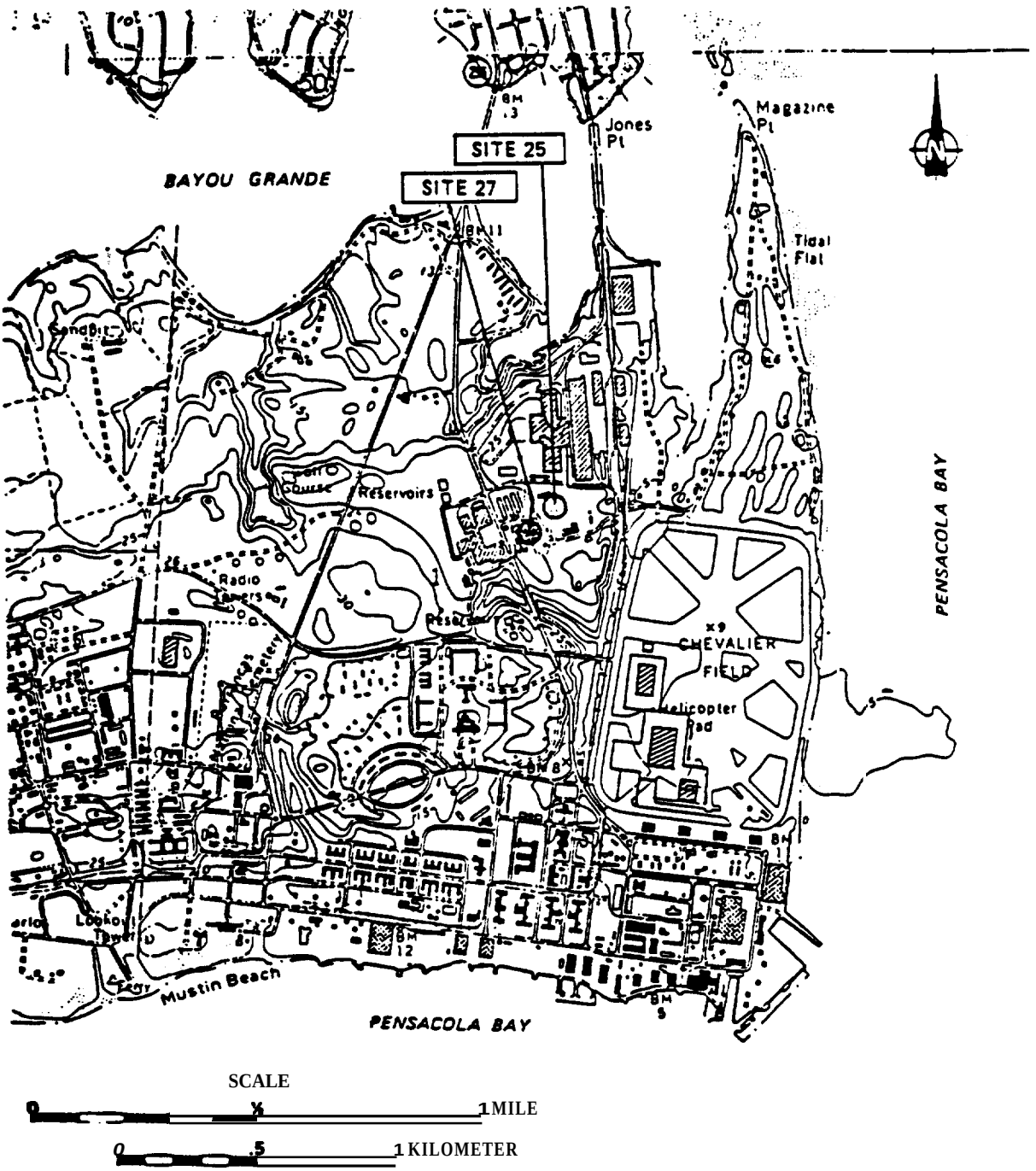


FIGURE 1-1

270003 **Map of Pensacola with NAS location.**

Radium Dial Shop Sewer Site Assessment Report Naval Air Station Pensacola Pensacola, Florida



SOURCE: U.S.G.S. 7.5 Minute Series (Topographic) Quadrangles: *Fort Barrancas, Fla.* 1970 and West Pensacola, Fla. 1970, Photorevised 1987

FIGURE 1-2

Installation map of NAS facility.

Radium Dial Shop Sewer Site Assessment Report Naval Air Station Pensacola Pensacola, Florida

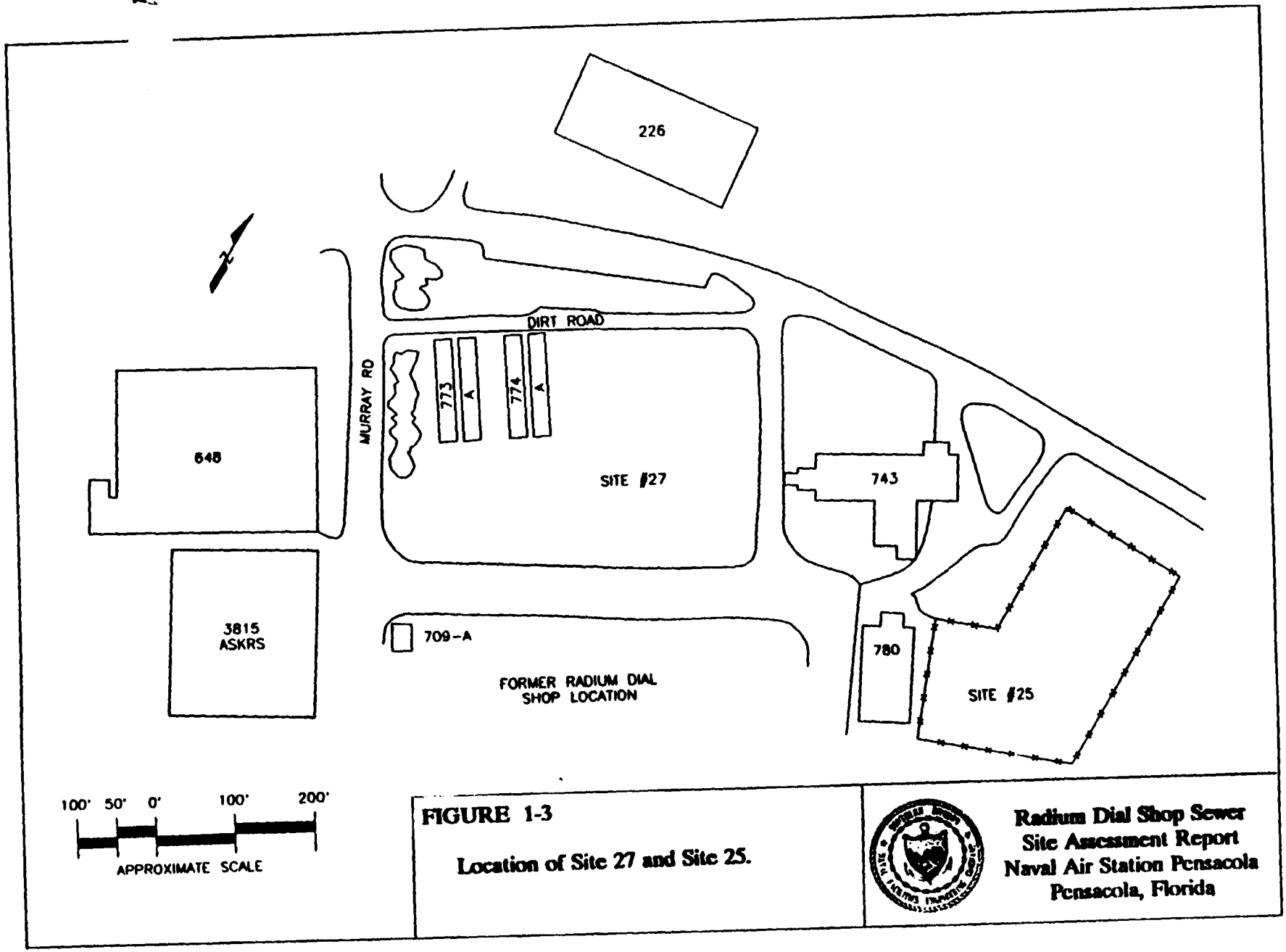


FIGURE 1-3

Location of Site 27 and Site 25.

Radium Dial Shop Sewer
Site Assessment Report
Naval Air Station Pensacola
Pensacola, Florida

CHAPTER 2.0 SITE INVESTIGATION

The site investigation was coordinated through Navy representatives and ABB Environmental Services, Inc. Groundwater Protection, Inc. representatives, the driller and two driller's assistants, were responsible for all drilling activities. The site geologist, a Radian Corporation representative, was responsible for oversight of drilling and soil sample collection. The responsibility of the health and safety officer, also a Radian Corporation representative, was to screen ambient air for organic vapor content, screen both sites for radiation content, screen soil samples for organic vapor and radiation content, maintain all screening instruments, and ensure that all health and safety requirements were followed by Radian personnel.

The site investigation was conducted in accordance with the sampling and analysis plan described in the Statement of Work (SOW) included in Subcontract 1-08-265 (ABB 1991). All activities were conducted in a manner consistent with the guidelines outlined in the U.S. Environmental Protection Agency (EPA) Region IV Standard Operating Procedures and Quality Assurance Manual (EPA 1986a) and the Naval Energy and Environmental Support Activity (NEESA) Quality Assurance (QA) Plan (NEESA 1988). Sampling and analysis techniques used for the investigation were chosen so that NEESA QA Level C data would be achieved.

2.1 SOIL BORINGS Soil boring locations were determined prior to the investigation by using a 100 foot by 50 foot grid system at each site. The grid at Site 27 was developed by the field personnel by dividing the site into sections. Locations thought to be representative of each section were measured using a tape measure. Figure 2-1 shows the approximate locations of each boring at Site 27, and Figure 2-2 shows the approximate locations at Site 25. The locations at Site 25 were determined by Navy personnel. The boring locations shown on Figures 2-1 and 2-2 are termed approximate because they were not surveyed by a registered surveyor. Due to the limited size of each site and the nature of the investigation, the Navy did not require a registered surveyor. Boring identifications were assigned to each sample location as shown on Figures 2-1 and 2-2.

A total of 28 borings were completed at Site 27, and 9 borings were completed at Site 25. Borings were installed with the use of a stainless-steel hand auger and a mobile drill rig. Two samples were collected from each boring for a total of 74 soil samples. A 2-inch diameter stainless-steel split-spoon sampling tool 24 inches in length was driven into the ground for soil sample collection. Samples were collected from the 3- to 5-foot interval after advancing to the 3-foot depth with a hand auger and from the 8- to 10-foot interval after advancing to the &foot depth with the drill rig using a hollow stem auger technique. These sample intervals were chosen by the Naval design group to aid with design criteria used for the proposed Cold Storage Facility. Soil samples were collected from Site 27 on October 15 and 16, 1991, and from Site 25 on October 17, 1991.

2.2 SAMPLE IDENTIFICATION All samples were identified with the prefix NAAB (NA for Navy and AB for ABB Environmental Services, Inc.), followed by an S for soil or a W for water, followed by 1A identifying the first sampling events of the investigation, and finally the sample number. The sample number corresponds with the location and depth of the sample. Figures 2-1 and 2-2 show the numbers and corresponding locations and depths of each sample. To reduce the length of sample identification, the laboratory shortened each identification to ABS for soil and ABW for water followed by the sample number. The shortened identifications are used throughout this document.

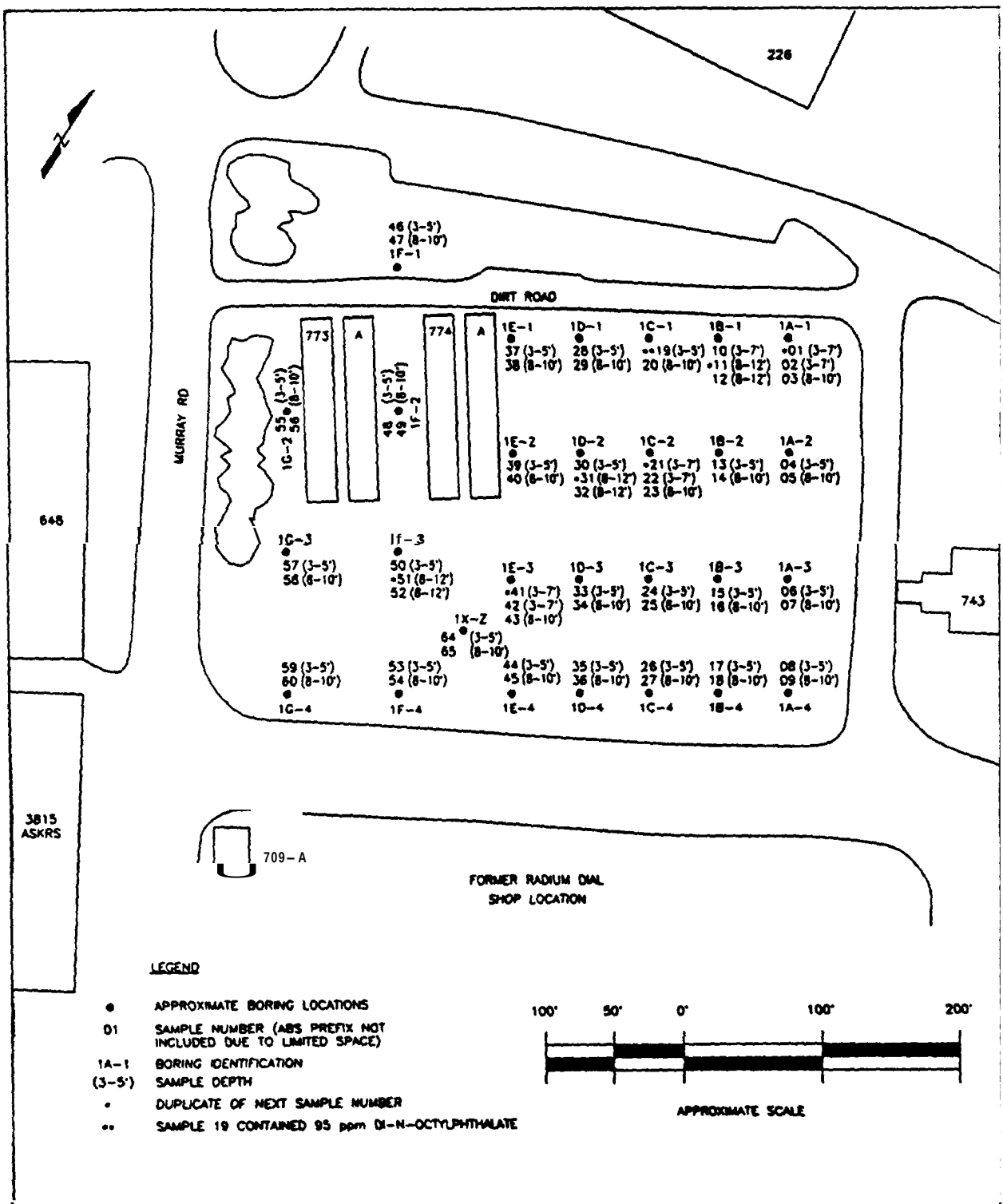


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FIGURE 2-1

Approximate boring locations at Site 27.

Radium Dial Shop Sewer Site Assessment Report Naval Air Station Pensacola Pensacola, Florida

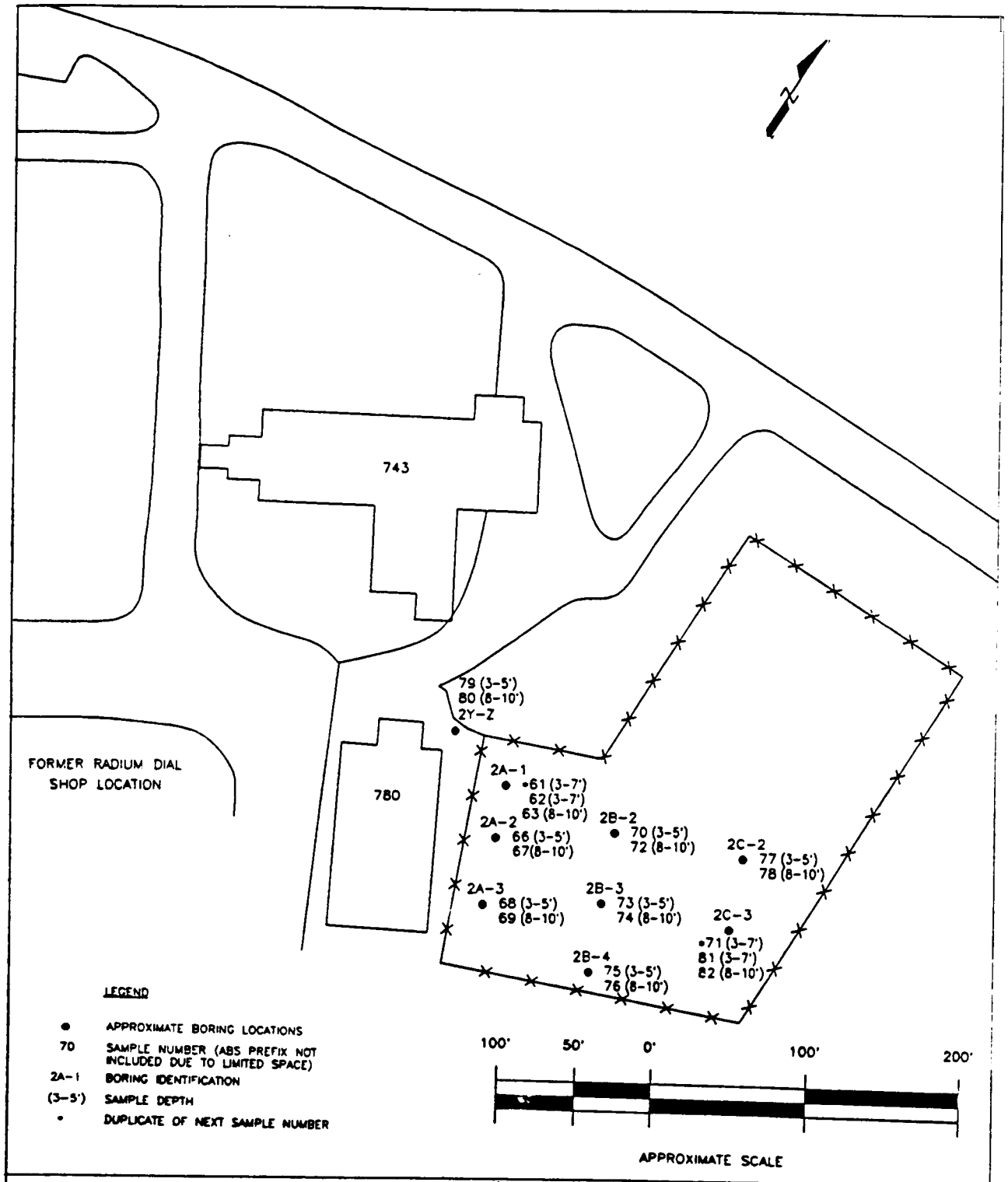

FIGURE 2-2

Approximate boring locations at Site 25.

Radium Dial Shop Sewer Site Assessment Report Naval Air Station Pensacola Pensacola, Florida

2.3 SOIL SCREENING Each soil sample collected was screened for organic vapor content in the field with an HNu photoionization detector equipped with a 10.2 electron volt probe. Upon opening the split-spoon ambient air was monitored to ensure that no health threatening conditions existed. Following collection of the volatile organic compound (VOC) sample (described in Section 2.4), grab samples representative of the entire sample were collected along the split-spoon interval and placed in an 8-ounce, wide-mouth glass jar for headspace analysis. The remaining sample was placed in appropriate laboratory containers for possible laboratory analysis. Each 8-ounce jar collected for headspace was filled approximately one-half full, allowing for headspace volatilization. Each jar was tightly sealed with aluminum foil, capped, and appropriately labeled for identification, then placed in a water bath (27 to 32°C) for a minimum of 5 minutes. Following volatilization, a hole was pierced through the foil, and the HNu probe was inserted into the jar for a direct reading of the total organic vapor concentration. The headspace reading of each soil sample was recorded in the field logbook. These results are discussed in Chapter 4. Samples corresponding to HNu headspace readings above 50 mg/kg were selected for VOC and semivolatile (SVOC) analyses. All samples were sent for radionuclide analyses.

To ensure the accuracy of the HNu, it was calibrated by the manufacturer's requirements at the beginning of each sampling day, and a calibration check was conducted at the end of each day after sampling activities were completed to determine the accuracy of the readings recorded during the day. All calibration events were recorded in the health and safety officer's field logbook. The post-sampling calibration readings did not show more than a 10% deviation from the morning readings; therefore, all HNu readings are considered to be valid.

An Eberline ESP1 smart portable meter with a Ludlum Model 44-10, 2 inch by 2 inch sodium iodide scintillation probe was used to screen each sample for radiation. In addition, a Ludlum Model 3 meter with a Ludlum Model 44-9 beta/gamma pancake probe and an Eberline ESP-1 meter with a Ludlum Model 43-5 alpha scintillation probe were available for use if elevated gamma radiation was detected by the sodium iodide probe. The results of the radiation screening were used to establish proper handling and shipping procedures. A ground level radiation survey was conducted at each site prior to drilling activities. The results of the survey and the screening revealed that there are no radiation levels above background readings at Site 27 or Site 25. Background was recorded to be less than 0.05 millirem/hour.

2.4 SOIL SAMPLE COLLECTION FOR CHEMICAL ANALYSIS The objective of sample collection was to obtain samples representative of the chosen soil intervals and to have those samples analyzed in a manner reflecting the composition of the soil as accurately as possible. To achieve this objective, all factors affecting the physical and chemical integrity of the sample were controlled before, during, and after sample collection.

Soil samples were collected directly from the split-spoon sampling tools. I-Chem series 300 sample containers equipped with Teflon-lined lids were used for sample collection. Samples for VOC analysis were collected when the split-spoon sampler was first opened. A precleaned stainless-steel spoon was used to collect a sufficient amount of soil directly into a 4-ounce sample container. Each sample was packed to completely fill the container and reduce the amount of headspace, which minimized the loss of VOCs. A Teflon-lined lid was immediately secured on each VOC container following sample collection and a headspace sample was collected as described in Section 2.3. The soil remaining in the split-spoon was placed in a decontaminated stainless-steel bowl and homogenized with a decontaminated stainless-steel spoon. Each sampk fraction collected for SVOC, gross alpha, and ^{226}Ra analyses were collected as a composite of the entire sample interval. Two 8-ounce glass containers were partially filled for SVOC analysis, and one 8-ounce glass container was filled for gross

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alpha and ^{226}Ra analyses. The containers were capped with Teflon-lined lids immediately following sample collection. Nothing was added to the soil samples for preservation; however, the samples were maintained in coolers with ice packs to minimize volatilization. The site geologist collecting the samples wore a clean pair of latex gloves during each collection and homogenization procedure to minimize the risk of cross-contamination.

2.5 FIELD QUALITY CONTROL SAMPLES Field Quality Control (QC) samples were collected and used to assess precision and accuracy of sample collection. Field QC samples collected and analyzed during the investigation include trip blanks, field blanks, equipment rinsate blanks, and field duplicates. Preservatives were added to water samples collected for VOC and radionuclide analyses. The 40-milliliter vials used for VOC analysis were prepreserved with HCI in the laboratory before the containers were shipped to NAS Pensacola, and all containers filled for radionuclide analyses were preserved in the field with HNO_3 until a pH of less than 2 was reached.

Trip blanks are 40-millilitervials prepared in the subcontracted laboratory with organic-free water. The blanks were sent to NAS Pensacola and maintained with samples collected during the investigation. At no time after preparation were the trip blank containers opened before they were returned to the laboratory. Trip blanks were used to determine whether samples were contaminated during storage and transportation to the laboratory. One trip blank was included with each shipping cooler containing samples collected for VOC analysis. Trip blanks were analyzed for VOCs only.

Field blanks were collected from the decontamination water source. Approximately 1 gallon of water was collected for each sample and analyzed to ensure that contamination was not imparted to the samples from the source. The field blanks were analyzed for the same parameters as the soil samples collected. Two field blanks were collected from the water tank on the drill rig. The first field blank consisted of water in the tank brought on-site with the rig, and the second consisted of water used to fill the tank at the NAS Pensacola base. The water in the rig tank was used for all decontamination procedures.

Equipment rinsate blanks were collected by pouring organic-free water over a decontaminated stainless-steel spoon into a decontaminated stainless-steel bowl used for sample collection and pouring the water from the bowl into sample containers. Approximately 1 gallon of water was collected for analysis of the same parameters as the soil samples to ensure that decontamination procedures were adequate. Equipment rinsate blanks were collected at approximately 10% of soil samples collected for a total of seven equipment blanks.

A minimum of two soil duplicates were collected each day. Soil duplicates were collected by extending the original sample interval by 2 feet. Following the retrieval of the first split-spoon, a second spilt-spoon was driven to collect a sample directly below the first. The 4-foot interval was treated as one sample. The VOC sample portions were collected first, followed by one composite headspace sample, and finally the remaining soil was homogenized and split into two parts for SVOC, gross alpha, and ^{226}Ra sample containers. All duplicate samples were treated in the same manner as the other soil samples. Field duplicates were collected at a frequency of 10% of samples collected for a total of eight duplicate samples. Each duplicate was identified with a sample number similar to the other soil sample numbers so that they would not be recognized as QC samples by the laboratory.

2.6 CHAIN OF CUSTODY To establish the documentation necessary to trace sample possession from time of collection to time of analysis, chain-of-custody (COC) records have been maintained throughout the investigative process. Completed COCs accompanied every sample shipping container. Each COC form was filled out in black waterproof ink.

The COC process was initiated upon sample collection. The field sampler that signed the COC was responsible for the samples until they were transferred to the custody of the subcontracted laboratory. As sample custody was transferred, the persons relinquishing and receiving the samples signed, dated, and noted the time on the form. Each COC form includes the identifications of the samples in the shipping container, the signature of the sample collector, the date and time of collection, the sample media, the number and type of containers included for each sample, requested analytical methods, signatures of persons in custody, and dates and times of possession.

Appropriate COC forms were sealed in plastic bags and placed inside the shipping containers, which were sealed to prevent tampering. The original COC forms accompanied the sample shipment to the laboratory. Upon receipt at the analytical laboratory, the laboratory sample custodian checked the condition of the samples. No problems were noted on the laboratory sample receiving form. Copies of the COCs were returned with the analytical results from the laboratory.

2.7 DECONTAMINATION PROCEDURES The drill rig was decontaminated before entering and leaving each site. This procedure consists of washing the rig with a high-pressure steam generator to remove all debris (oil, grease, soil, etc.) that may contaminate any soil samples collected in the vicinity of the rig. All hollow stem auger flights, drill bits, split-spoon samplers, and other downhole drilling equipment used during boring installation were steam-cleaned with a high-powered steam generator before entering the site.

During the assessment, all downhole drilling equipment was decontaminated between each borehole by washing (with Alquinox) and rinsing with a high-powered steam generator. prior to each use, all sampling equipment was decontaminated by the following steps:

1. Washed thoroughly with hot tap water and Alquinox and scrubbed with a brush to remove *any* particulate matter or surface film;

2. Rinsed thoroughly with hot tap water,

3. Rinsed with organic-free water;

4. Rinsed twice with pesticide-grade isopropanol; and

5. Rinsed with organic-free water and allowed to air dry for as long as possible before being wrapped in aluminum foil or plastic for transportation.

270007

All decontaminated equipment was dried on plastic sheeting upwind of the decontamination area. A 10- x 6- x 25- foot mud pit lined with plastic sheeting was used to contain all fluids generated from on-site decontamination procedures. The pit was set up in a location away from the area suspected of contamination. Upon completion of the decontamination activities, the plastic sheeting lining the pit was removed and disposed of properly. All rinse waters were transferred from the decontamination pit into 55-gallon steel drums. The isopropanol rinse used

during decontamination was allowed to evaporate prior to transferring the rinse water into drums. The drums were turned over to the base for proper disposal.

2.8 SAMPLE HANDLING *AND* SHIPPING PROCEDURES Immediately following collection, samples were screened for ionizing radiation emissions with a sodium iodide probe. The results of the radiation screening were used to establish proper handling and shipping procedures. A sample label including appropriate identification and date and time of collection was placed on each sample container. *Once* the containers were labeled, for identification, samples were maintained in coolers with ice packs at approximately 4°C to minimize volatilization. Headspace analyses were conducted shortly' after sample collection to determine which samples were to be sent for VOC and SVOC analyses. All samples chosen for analyses were packed in shipping coolers, fresh ice was added; and proper COC documents were completed for each sample. Packing material (bubble wrap) was placed around the sample containers to prevent breakage during transport to the laboratory. A sufficient number of ice packs was packed in each shipping cooler to maintain the samples at 4°C for preservation. All completed COC forms were placed inside a plastic bag, which was sealed and placed inside the shipping cooler(s). Each shipping cooler was closed and taped shut with strapping tape, and custody tape signed by the shipper was placed on the top of each cooler to ensure that the cooler and samples were not tampered with during the shipment process (coolers shipped the first day of sample collection were taped only with strapping tape). All samples chosen for VOC and SVOC analyses were shipped to Environmental Science and Engineering (ESE) in Denver, Colorado, and all samples collected for gross alpha and ^{226}Ra analyses were shipped to ESE in Gainesville, Florida. All samples for VOC and SVOC analyses were shipped via a common overnight courier within 24 hours of collection, and all samples for alpha and radium analyses were shipped within 24 to 48 hours of collection by the same overnight courier.

29 ANALYTICAL PROCEDURES The analytical method chosen for VOC analysis was EPA Test Methods for Evaluating Solid Waste (SW-846) Method 8240 (EPA 1986b), and the method chosen for SVOC analysis was EPA SW-846 Method 8270 (EPA 1986b). These analyses were chosen by Naval personal because these methods include compounds on the priority pollutant list. All samples chosen for these analyses were extracted and analyzed in a manner consistent with the EPA Contract Laboratory Program (CLP) SOW for Organic Analysis, SOW No. 2/88 (EPA 1988). A total alpha scan was used to detect *gross* alpha, and the method used to detect ^{226}Ra was EPA SW-846 Method 9315 (EPA 1986b). VOC and SVOC results have been reported in $\mu g/kg$ for soil and $\mu g/L$ for water. Results of radioactive analyses have been reported in picocuries/gram for soil and picocuries/liter for water.

The CLP 2/88 SOW (EPA 1986a) requires the laboratory to analyze QC samples prepared in the laboratory. Laboratory accuracy is checked by adding known amounts of "surrogate compounds" (not likely to be present in actual samples) to a sample and analyzing the sample for those compounds. If the concentrations determined for surrogate compounds are accurate, then the results reported for the other analyses are assumed to be accurate. Laboratory precision is checked by spiking some samples from a sample group with known quantities of several compounds. The samples are then analyzed using exactly the same preparation and analytical techniques used for all other samples. These samples, referred to as matrix spikes (MSs) and matrix spike duplicates (MSDs), can detect matrix effects that may interfere with the CLP analysis. The laboratory is also required to analyze method blank samples, which are blank water samples that undergo all preparation and analytical procedures applied to the other samples and ensure that the analyzing instrument is functioning properly. Results of laboratory QC samples are discussed in Chapter 3.

CHAPTER 3.0 DATA QUALITY ASSESSMENT

A validation of the laboratory data was conducted to determine its usability. To reduce the length of sample identification, the laboratory shortened each identification to ABS (for soil) or ABW (for water) and the sample number. The following discussion uses the shortened sample identifications. Laboratory deliverables included the information required for NEESA QA Level C (NEESA 1988) as requested. Samples chosen for VOC analysis were analyzed from October 21, 1991, to October 28, 1991. Extractions for SVOC analysis were conducted between October 21,1991, and November 9,1991, and analyses were conducted between October 23,1991, and November 13, 1991. Samples analyzed for radionuclides were prepared between October 28,1991, and October 31, 1991, and analyzed between October 30, 1991, and November 17, 1991. All samples were initially analyzed within holding times. Some samples requiring re-analysis were analyzed outside of holding times as discussed in Section 3.1. Overall data completeness is acceptable.

UALITY All samples shipped to the ESE laboratories in Gainesville, Florida, and Denver, Colorado, were received in good condition. The Denver laboratory misplaced two samples (ABS63 and ABS69), and the Gainesville laboratory broke one container and was unable to salvage the sample (ABS09); therefore, VOC and SVOC analyses were not conducted on ABS63 and ABS69, and radionuclide analyses were not conducted on ABS09.

The laboratory sample data packages were separated by analysis and sample delivery groups (SDGs). The soil samples analyzed for VOCs were divided into three SDGs (1, 2, and 3) and the soil samples analyzed for SVOCs were divided into four SDGs (2, 3, 4, and 5). VOC and SVOC analyses results for QC water samples were reported in two separate packages. All radionuclide analyses were reported in one separate package.

All VOC and SVOC analytical results were reported in CLP Form 1 format (EPA 1988) with the sample collection date entered instead of the date the sample was received by the laboratory because holding times for this project were based on collection dates. Each VOC and SVOC sample data package includes a case narrative that discusses problems that occurred during analysis. There was no case narrative prepared for the radionuclide analytical data; however, QC summaries were prepared and are included with the sample data package. The radionuclide QC summaries conclude that all method blanks, replicates, standard MSs, sample MSs, and sample MSDs were present and within acceptance criteria. Appendix A includes the case narratives and the QC summaries.

The only case narratives that reported problems considered by the laboratory to be significant were those included with SDG 4 and SDG 5 for SVOCs. SVOC SDG 4 reports a problem with incorrect spiking of samples ABS34 and ABS31MSD (the MSD of ABS31MS). The mistake was discovered after holding times had expired, and both were reextracted and re-analyzed out of holding time; therefore, the reported results from each re-analysis must be considered as suspect. SVOC SDG 5 reported that ABS21, ABS28, and ABS64 were mistakenly spiked with matrix spiking solution as well as double surrogate spike. This problem was not discovered until after holding times had expired. Each sample was reextracted out of holding time and re-analyzed, including MS/MSDs associated with samples ABS21 and ABS28 (although there were no problems with either MS/MSD analysis). All re-analyses reported in the sample data packages are considered to be suspect because holding times had expired. Sample ABS19 in SVOC SDG 5 required a dilution of 10 to bring di-n-octylphthalate into the linear calibrated range of the analyzing instrument.

Several other problems occurred during analyses. The sample container for ABS30 (volatile SDG 1) was reported to have been one-half empty. The headspace may have affected the VOC analysis; therefore, the reported VOC results for ABS30 are considered to be suspect. All VOC samples and standards had a quantitation ion for acetone at 58 instead of the recommended 43 in order to avoid interference in the quantitation of acetone by carbon dioxide. Internal standard areas were out of control for ABS07 (SVOC SDG 3), which could not be re-extracted within the holding time so it was reinjected with the same result. The first injection of the SVOC method blank for SDG 2 had high recoveries of Phenol-d5 and 2-Fluorobiphenyl and was reinjected with the same results. Sample ABW12 (equipment blank) was re-analyzed because of low internal standard areas, and the results of the reinjection were the same. Sample ABS62 (volatile SDG 3) required a dilution to bring acetone within the linear calibrated range. Sample ABS58 also required a dilution for acetone. The laboratory reported only the results of the second analysis because the first analysis was injected more than 12 hours after the tune.

3.2 ACCURACY Laboratory accuracy is checked with surrogate samples and method blanks, and field accuracy is checked with trip blanks, field blanks, and equipment rinsate blanks. All method blank spike control charts and surrogate, MS, and MSD recoveries included with the laboratory deliverables are included in Appendix B. The Navy has approved the Denver ESE laboratory pending development of a blank spike control chart system; therefore blank spike control charts for VOC and SVOC analyses are not available at this time.

Samples ABW02 (trip blank), ABW03 (trip blank), ABW10 (equipment blank), and ABW15 (field blank) from the VOC SDG for water had surrogate recoveries out of control. Each water sample was re-analyzed with the same result. The laboratory concluded that this indicated a problem with the matrix; therefore, the reported results are suspect. All other surrogate recoveries met CLP criteria. All surrogate recoveries were reported in CLP Form 2 format (EPA 1988). No surrogates were required for the radionuclide analyses.

Table 3-1 lists the method blanks and associated samples that were analyzed for VOCs. Method blank VBLK21 had a detection of acetone at 11 µg/kg. Method blank VBLK22 had a detection of methylene chloride at 16 µg/kg, and VBLK26 had a methylene chloride concentration of 9 µg/kg. Detections of these compounds in associated samples have been flagged with a B data qualifier, meaning that the detection is suspect because the compound was detected in a method blank. All of the VOC method blanks had reported detections of tentatively identified compounds (TICs), most of which are reported as unknowns. The TICs indicate that something other than the compounds included in the requested analysis is in the sampk. The TIC concentrations are all estimated values (marked with a J flag) because the error in the reported concentration is an order of magnitude. Due to the significant error involved with TIC concentrations, these data are not considered to be representative.

270009

Table 3-2 lists the method blanks and associated samples that were analyzed for SVOCs. Method blank SBLKAA for the water SDG 1 had a detection of bis(2-ethylhexyl)phthalate at 5 µg/L. Bis(2-ethylhexyl)phthalate concentrations reported for the soil method blanks include: SDG 2 blank SBLKAA at 340 µg/kg, SDG 3 blank SBLKBB at 150 µg/kg, SDG 4 blank SBLKAARE at 510 µg/kg, and SDG 5 blank SBLKAA at 620 µg/kg. SDG 3 blank SBLKAA showed detections of diethylphthalate at 1400 µg/kg, di-n-butylphthalate at 1800 µg/kg, and bis(2-ethylhexyl)phthalate at 180 µg/kg. Detection of these compounds in associated samples have been flagged with a B data qualifier. All of the SVOC method blanks for soils had reported detections of TICs, most of which are unknowns. Due to the significant error involved with TIC concentrations, these data are not considered to be representative.

Table 3-1. VOC method blanks and associated samples

Method blank ID	VBLK21	VBLK22	VBLK24	VBLK25	VBLK26	VBLK28	VBLK29
Samples associated with method blanks:							
	ABS07	ABS08	ABS45	ABS21MS	ABS31MS	ABS62RE	ABS82
	ABS15	ABS28	ABS46	ABS21MSD	ABS61	ABS72	
	ABS19	ABS34	ABS47	ABS31MSD	ABS61MS	ABS73	
	ABS21	ABS35	ABS48	ABS41MS	ABS61MSD	ABS74	
	ABS22	ABS36	ABS50	ABS41MSD	ABS62	ABS75	
	ABS29	ABS37	ABS51	ABS51MS	ABS65	ABS76	
	ABS30	ABS38	ABS52	ABS51MSD	ABS66	ABS77	
	ABS31	ABS39	ABS53	ABS49	ABS67	ABS78	
	ABS32	ABS40	ABS54	ABS58	ABS68	ABS79	
	ABS33	ABS41	ABS55	ABS59	ABS70	ABS80	
		ABS42	ABS56	ABS60	ABS71	ABS81	
		ABS43	ABS57	ABS64	ABS71MS	ABS81MS	
		ABS44		ABW02	ABS71MSD	ABS81MSD	
				ABW03	ABW01		
				ABW08	ABW09		
				ABW10	ABW04		
				ABW15	ABW05		
					ABW11		
					ABW12		

ID - identification
RE - rerun

Table 3-2. SVOC method blanks and associated samples

Method blank ID	SBLKAA	SBLKAA	SBLKBB	SBLKAA
SDG	2	3	3	4
Matrix	Soil	Soil	Soil	Soil
Samples associated with method blanks:				
	ABS70	ABS61	ABS46	ABS29
	ABS71	ABS66	ABS47	ABS30
	ABS72	ABS62	ABS48	ABS31
	ABS73	ABS67	ABS49	ABS32
	ABS74	ABS68	ABS50	ABS33
	ABS75	ABS07	ABS51	ABS35
	ABS76	ABS61MS	ABS52	ABS36
	ABS77	ABS61MSD	ABS53	ABS42
	ABS78		ABS54	ABS43
	ABS79		ABS55	ABS44
	ABS80		ABS56	ABS45
	ABS81		ABS57	ABS31MS
	ABS82		ABS58	ABS41MS
	ABS71MS		ABS59	ABS41MSD
	ABS71MSD		ABS51MS	ABS37
			ABS51MSD	ABS38
				ABS39
				ABS40
				ABS41

270010

Table 3-2 SVOC method blanks and associated samples (continued)

Method blank ID	SBLKAARE	SBLKAA	SBLKAARE	SBLKAA	SBLKBB
SDG	4	5	5	1	1
Matrix	Soil	Soil	Soil	Water	Water
Samples associated with method blanks:					
	ABS34RE	ABS08	ABS21RE	ABW10	ABW12
	ABS31MSDRE	ABS15	ABS28RE	ABW14	ABW13
		ABS19	ABS64RE	ABW16	ABW08
		ABS22			ABW09
		ABS60			ABW11
		ABS21MS			ABW15
		ABS21MSD			
		ABS28MS			
		ABS28MSD			
		ABS19 (diluted)			

ID - identification
RE - rerun

Tables 3-3, 3-4, and 3-5 list the trip blanks, equipment blanks, and field blanks, respectively, and all associated samples. Acetone was detected in trip blank ABW06 at 13 µg/L, in equipment blank ABW13 at 20 µg/L, and in equipment blank ABW14 at 11 µg/L. Equipment blank ABW12 had a detection of methylene chloride at 9 µg/L (which was also detected in the associated method blank). Acetone and methylene chloride are common laboratory artifacts. The detection of acetone in the equipment blanks may be due to the decontamination procedure using the isopropanol rinse. According to the laboratory coordinator at the ESE laboratory in Gainesville, acetone is detected in isopropanol. Some QC blanks had TICs, all of which are flagged with data qualifiers J and/or B. Field blank ABW15 had a detection of chloroform at 11 µg/L and bromodichloromethane at 8 µg/L. This sample was determined by the laboratory to have a matrix problem. Field blank ABW16 had detections of phenanthrene at 3 µg/L, fluoranthrene at 2 µg/L, and bis(2-ethylhexyl)phthalate at 2 µg/L. All of these detections were estimated because they were below the contract required detection limit (CRDL), and the detection of bis(2-ethylhexyl)phthalate was flagged with a B because it was also detected in the method blank analyzed prior to ABW16. Overall, results of field QC sampler indicate no problem with field accuracy. Appendix C includes the analytical results for all QC samples except the field duplicates, which are included in Appendix D.

3.3 PRECISION Laboratory MSs and MSDs were analyzed at a minimum of 1 per 20 samples. Seven were analyzed for SVOC analyses, and four were analyzed for VOC analyses. All MSs and MSDs for the radionuclide analyses were within acceptance criteria. All VOC and SVOC MS and MSD results were reported in CLP Form 3 format (EPA 1988). MSs and MSDs were not requested on the VOC and SVOC water samples due to the fact that all of the water samples were collected for field QC purposes only. A standard MS was extracted and analyzed, and its results were reported on control charts. All recoveries were within CLP limits except for 4-nitrophenol, which was not detected because of degradation of the spiking solution. A new matrix spiking solution was prepared. One internal standard area was out of control for ABS31MS (SVOCSDG1), but the SOW does not require reanalysis of MSs or MSDs. The only other MS/MSD problems have been discussed in Section 3.1. Standard MSs, sample MSs, and sample MSDs were within acceptance criteria for the radionuclide analyses of the water samples. Results of MSs and MSDs are included in Appendix C.

270011

Table 3-3. Trip blanks and associated samples

Trip blank ID	ABW01	ABW02	ABW03	ABW04	ABW05	ABW06	ABW07
Samples associated with trip blanks:							
	ABW08	ABS07	ABS28	ABS30	ABW11	ABW14	ABS66
	ABW10	ABS08	ABS29	ABS31	ABW12	ABW16	ABW70
	ABW15	ABS19	ABS32	ABS33	ABW13	ABS61	ABS71
		ABS21	ABS34	ABS37	ABS36	ABW62	ABS72
		ABS22	ABS35	ABS38	ABS45	ABS67	ABS73
			ABS41	ABS39	ABS46	ABS68	ABS74
			ABS44	ABS40	ABS48	ABS76	ABS75
			ABS50	ABS42	ABS49	ABS77	ABS78
			ABS53	ABS43	ABS55	ABS80	ABS79
			ABS57	ABS47	ABS59		ABS81
			ABS58	ABS51			ABS82
			ABS60	ABS52			
			ABS64	ABS54			
			ABS65	ABS56			

ID - identification

Table 3-4. Field blanks and associated samples

Field blank ID	ABW15			ABW16
Samples associated with field blanks:				
	ABS07	ABS27	ABS45	ABS61
	ABS08	ABS28	ABS46	ABS62
	ABS10	ABS29	ABS47	ABS66
	ABS11	ABS30	ABS48	ABW67
	ABS12	ABS31	ABS49	ABS68
	ABS13	ABS32	ABS50	ABS70
	ABS14	ABS33	ABS51	ABS71
	ABS15	ABS34	ABS52	ABS72
	ABS16	ABS35	ABS53	ABS73
	ABS17	ABS36	ABS54	ABS74
	ABS18	ABS37	ABS55	ABS75
	ABS19	ABS38	ABS56	ABS76
	ABS20	ABS39	ABS57	ABS77
	ABS21	ABS40	ABS58	ABS78
	ABS22	ABS41	ABS59	ABS79
	ABS23	ABS42	ABS60	ABS80
	ABS24	ABS43	ABS64	ABS81
	ABS25	ABS44	ABS65	ABS82
	ABS26			

ID - identification

270012

Table 3-5. Equipment blanks and associated samples

Equipment blank ID	ABW08 ABW09 ABW10	ABW11 ABW12 ABW13		ABW14
Samples associated with equipment blanks:				
	ABS07	ABS30	ABS47	ABS61
	ABS08	ABS31	ABS48	ABS62
	ABS10	ABS32	ABS49	ABS66
	ABS11	ABS33	ABS50	ABW67
	ABS12	ABS34	ABS51	ABS68
	ABS13	ABS35	ABS52	ABS70
	ABS14	ABS36	ABS53	ABS71
	ABS15	ABS37	ABS54	ABS72
	ABS16	ABS38	ABS55	ABS73
	ABS17	ABS39	ABS56	ABS74
	ABS18	ABS40	ABS57	ABS75
	ABS19	ABS41	ABS58	ABS76
	ABS20	ABS42	ABS59	ABS77
	ABS21	ABS43	ABS60	ABS78
	ABS22	ABS44	ABS64	ABS79
	ABS23	ABS45	ABS65	ABS80
	ABS24	ABS46		ABS81
	ABS25			ABS82
	ABS26			
	ABS27			
	ABS28			
	ABS29			

ID - identification

CHAPTER 4.0 FINDINGS

The goal of the Site 27 and Site 25 soil boring investigation was to determine whether either site had been impacted by runoff from the former Radium Dial Shop or the adjacent sewer. To achieve this goal, headspace analyses and analytical analyses were conducted on each sample. A review of the analytical data concludes that there has been no apparent significant environmental impact on the shallow subsurface soils at Site 27 or Site 25 from the former Radium Dial Shop Sewer. Only one sample location at Site 27 had an organic compound detection. CRDLs and analytical results for all soil samples collected are included in Appendix D.

4.1 ANALYTICAL RESULTS The highest detection of gross alpha was 3.9 picocuries/gram in ABS26 (located at Site 27). The highest detection of ^{226}Ra was 2 picocuries/gram in ABS45, ABS46, ABS47, and ABS48 (located at Site 27). Using 0.0 picocuries/gram as a background value, results of gross alpha and ^{226}Ra show that no radionuclide contamination exists at either site above the federal allowable limits. Federal allowable limits of radionuclide contamination in soil are 5 picocuries/gram above background in the top 6 inches of soil and 15 picocuries/gram above background in soil below the top 6 inches (EPA 1983). Results of analyses for VOC and SVOC constituents are generally unremarkable with some positive confirmations after elimination of B-flagged compounds. Compounds detected below CRDLs are marked with J data qualifiers and are considered to be suspect. Compounds detected above the CRDLs include acetone, methylene chloride, and bis(2-ethylhexyl)phthalate, all of which are common laboratory artifacts.

All methylene chloride detections were associated with method blank detections as shown in Table 4-1. Most of the acetone detections were associated with method or equipment blank detections. According to EPA protocol, if a common laboratory artifact is detected in a blank, the blank detection may be multiplied by 10, and if a sample has a concentration higher than that number, it is a potential contaminant. As shown in Table 4-1, none of these detections are above 10 times that found in the associated method blank. Other detections of acetone may be contributed to the decontamination procedure using isopropanol. Table 4-2 shows that many of the acetone detections may have been associated with acetone detected in equipment blanks. Three of these samples contain acetone above 10 times that detected in the associated equipment blank. These concentrations have been reported as 370 µg/kg for ABS58 (Site 27), 400 µg/kg for ABS62 (the duplicate of ABS61 which had 180 µg/kg) (Site 25), and 160 µg/kg for ABS67 (Site 25). These higher detections should be attributed to decontamination procedures or laboratory artifact. Equipment blanks were collected at approximately 10% of soil samples, not after every decontamination event; therefore, these higher acetone concentrations could be from isopropanol residue remaining on the sampling equipment. The detection of 11 µg/kg in sample ABS08 was not related to any blanks with acetone detections; however, this small concentration is probably due to laboratory artifact or decontamination using isopropanol.

Table 4-3 lists the samples with bis(2-ethylhexyl)phthalate detections that are associated with method blank detections. Bis(2-ethylhexyl)phthalate is a common laboratory and field sampling artifact found in plastics used during analysis and sample gloves used during sample collection. This SVOC was detected in several other samples that do not have related detections in associated blanks. These detections are believed to be associated with laboratory and/or field sampling artifacts. Samples with detections below the CRDL include ABS30 (510 µg/kg), ABS32 (530 µg/kg), ABS33 (75 µg/kg), ABS37 (630 µg/kg), ABS38 (110 µg/kg), ABS39 (180 µg/kg), ABS40 (160 µg/kg), ABS41 (260 µg/kg), ABS42 (duplicate of ABS41, 210 µg/kg), ABS43 (500 µg/kg), and ABS44 (140 µg/kg).

270014

Table 4-1. Method blanks and associated samples with acetone and methylene chloride detections

		Acetone (µg/L) (µg/kg)		Methylene chloride (µg/L) (µg/kg)		Methylene chloride (µg/L) (µg/kg)
Method blank ID	VBLK21 Method blank	11.	VBLK22 Method blank	16.	VBLK26 Method blank	9.
Samples associated with method blanks:						
	ABS07	24.B	ABS08	13.B	ABS65	5.B
	ABS19	16.B	ABS28	IS.B	ABS66	6.B
	ABS21	14.B	ABS34	12.B	ABS67	14.B
	ABS22	15.B	ABS35	14.B		
	ABS31	13.B	ABS36	8.B		
			ABS37	7.B		
			ABS38	6.B		
			ABS39	5.B		
			ABS41	5.B		
			ABS42	5.B		

B - also detected in method blank
ID - identification

Table 4-2. Equipment blanks and associated samples with acetone detections

		Acetone (µg/L) (µg/kg)		Acetone (µg/L) (µg/kg)
Equipment blank ID	ABW13	20.	ABW14	11.
Samples associated with equipment blanks:				
	ABS34	35.	ABS61	180.
	ABS35	49.	ABS62	310.E
	ABS36	93.	ABS64	43.
	ABS37	59.	ABS65	19.
	ABS38	12.	ABS66	74.
	ABS39	17.	ABS67	160.
	ABS40	13.	ABS68	51.
	ABS41	54.	ABS70	26.
	ABS42	72.	ABS71	22.
	ABS43	88.	ABS72	31.
	ABS44	42.	ABS73	40.
	ABS45	14.	ABS74	26.
	ABS46	31.	ABS75	33.
	ABS50	10.	ABS76	29.
	ABS51	24.	ABS77	62.
	ABS52	18.	ABS78	29.
	ABS53	49.	ABS79	29.
	ABS54	26.	ABS80	25.
	ABS55	29.	ABS81	64.
	ABS56	12.	ABS82	57.
	ABS57	16.		
	ABS58	370.		
	ABS59	38.		
	ABS60	14.		

E - concentration of compound exceeded linear range; reported concentration is subject to error and should be considered qualitative

ID - identification

270013

Table 4-3. Method blanks and associated samples with bis(2-ethylhexyl)phthalate detections

		Bis(2-ethylhexyl) phthalate (µg/kg)		Bis(2-ethylhexyl) phthalate (µg/kg)		Bis(2-ethylhexyl) phthalate (µg/kg)
Method blank ID	SBLKAA	340.J	SBLKAA	180.J	SBLKBB	150.J
SDG	2		3		3	
Matrix	Soil		Soil		Soil	
Samples associated with method blanks:						
	ABS70	640.BJ	ABS61	140.BJ	ABS46	480.BJ
	ABS71	190.BJ	ABS66	120.m	ABS47	120.85
	ABS72	360.BJ	ABS62	250.BJ	ABS48	150.BJ
	ABS73	140.BJ	ABS67	170.85	ABS49	460.BJ
	ABS74	360.BJ	ABS68	150.BJ	ABS50	280.BJ
	ABS75	660.BJ	ABS07	240.BJ	ABS51	510.BJ
	ABS77	480.BJ			ABS52	79.BJ
	ABS78	250.BJ			ABS53	440.BJ
	ABS79	290.BJ			ABS54	390.81
	ABS80	350.BJ			ABS55	220.BJ
	ABS81	190.BJ			ABS56	510.BJ
	ABS82	280.BJ			ABS57	270.BJ
					ABS58	110.BJ
					ABS59	180.BJ
					ABS60	170.BJ

Table 4-3. Method blanks and associated samples with bis(2-ethylhexyl)phthalate detections (continued)

		Bis(2-ethylhexyl) phthalate (µg/kg)		Bis(2-ethylhexyl) phthalate (µg/kg)		Bis(2-ethylhexyl) phthalate (µg/kg)
Method blank ID	SBLKAARE	510.J	SBLKAA	620.J	SBLKAARE	510.J
SDG	4		5		5	
Matrix	Soil		Soil		Soil	
Samples associated with method blanks:						
	ABS34RE	760.8	ABS08	210.85	ABS21RE	360.BJ
			ABS15	190.BJ	ABS28RE	550.BJ
			ABS19	1900.B	ABS64RE	300.BJ
			ABS22	93.BJ		
			ABS60	170.BJ		

B - detected in method blank
J - estimated value; compound detected below CRDL, value is subject to significant error
ID - identification

Only sample ABS35 had a detection of bis(2-ethylhexyl)phthalate above the CRDL at 720 µg/kg. Even this detection is thought to be laboratory and/or field sampling artifact.

Other SVOC detections were below the CRDL and are noted as such with a J flag. Some of these detections were associated with blank detections. Sample ABS78 had detections of pyrene at 85 µg/kg, fluoranthene at 120 µg/kg, benzo(b)fluoranthene at 64 µg/kg, and benzo(k)fluoranthene at 95 µg/kg. Sample ABS80 had detections of phenanthrene at 270 µg/kg, fluoranthene at 310 µg/kg, pyrene at 180 µg/kg, benzo(a)anthracene at 140 µg/kg, chyrsene at 200 µg/kg, benzo(b)fluoranthene at 180 µg/kg, benzo(k)fluoranthene at 310 µg/kg, and benzo(a)pyrene at 130 µg/kg. These samples were associated with field blank ABW16, which showed detections of phenanthrene and fluoranthene. All other detections are well below the CRDL, indicating that something may be there but in very small quantities.

Several TICs were detected in many of the samples, all of which were noted with a J flag. As discussed in Chapter 3, many TICs were detected in several of the method blanks. The TICs indicate that something other than the compound included in the quested analysis is in the sample; however, the error in the reported concentration is an order of magnitude and these results are not considered to be useful data.

The only other detection above the CRDLs was in ABS19 from the 3- to 5-foot interval at Site 27. This sample contained a concentration of di-n-octylphthalate above the linear calibrated range; therefore, the sample was diluted and reanalyzed showing a concentration of 95 mg/kg. This was the only detection of di-n-octylphthalate above the CRDL. Sample ABS22 collected from the 3- to 7-foot interval at Site 27 had a detection of di-n-octylphthalate below the CRDL at 69 µg/kg. Sample ABS22 is the duplicate of ABS21, which did not show a detection of di-n-octylphthalate; therefore, there does not appear to be a problem in this area. Figure 2-1 shows the location of these samples.

4.2 MISPLACED SAMPLES The two samples sent for VOC and SVOC analyses that were misplaced by the Denver ESE laboratory were collected from Site 25. Misplaced sample ABS63 was collected from the 8- to 10-foot interval below ABS62, which had an acetone concentration of 400 µg/kg. It is possible that ABS63 would also have a high acetone concentration; however, according to the ESE laboratory coordinator, the acetone that was detected is most likely from the decontamination procedure using isopropanol. Misplaced sample ABS69 was collected from the 8- to 10-foot interval below ABS68. No VOC or SVOC contamination was detected in ABS68 or other samples surrounding the area around misplaced sample ABS69. Sample ABS09, sent for radionuclide analysis, was broken in the Gainesville ESE laboratory. No radionuclide contamination was detected at either site; therefore, sample ABS09 most likely did not contain any radionuclide contamination.

4.3 HEADSPACE RESULTS Samples corresponding to headspace samples with results above 50 mg/kg were sent for VOC and SVOC analyses. All headspace results are included in Table 4-4. The high headspace readings do not appear to be due to VOC content because there were no VOC detections in the samples (other than laboratory artifacts or decontamination residue). The readings may have been due to heating the water bath to a temperature high enough to volatilize the unknown VOCs and SVOCs (reported as TICs) that were detected in the samples (Thomas 1991). These compounds were not identified as compounds on the priority pollutant list; therefore, the TICs are probably not an environmental concern.

270016

Table 4-4. Results of headspace analysis

Sample ID	HNu reading (mg/kg)	Location (See Figures 2.1 and 2.2)	Depth (below land surface)
ABS02 (and duplicate ABS01)	14	1A-1	3-7
ABS03	>1	1A-1	8-10
ABS04	2	1A-2	3-5
ABS05	2	1A-2	8-10
ABS06	25	1A-3	3-5
ABS07	80	1A-3	8-10
ABS08	70	1A-4	3-5
ABS09	10	1A-4	8-10
ABS10	4	1B-1	3-5
ABS12 (and duplicate ABS11)	15	1B-1	8-12
ABS13	>1	1B-2	3-5
ABS14	>1	1B-2	8-10
ABS15	50	1B-3	3-5
ABS16	>1	1B-3	8-10
ABS17	>1	1B-4	3-5
ABS18	>1	1B-4	8-10
ABS19	80	1C-1	3-5
ABS20	>1	1C-1	8-10
ABS22 (and duplicate ABS21)	80	1C-2	3-7
ABS23	>1	1C-2	8-10
ABS24	30	1C-3	3-5
ABS25	20	1C-3	8-10
ABS26	22	1C-4	3-5
ABS27	15	1C-4	8-10
ABS28	550	1D-1	3-5

Table 4-4. Results of headspace analysis (continued)

Sample ID	HNu reading (mg/kg)	Location (See Figures 2.1 and 2.2)	Depth (below land surface)
ABS29	300	1D-1	8-10
ABS30	250	1D-2	3-5
ABS32 (and duplicate ABS31)	300	1D-2	8-12
ABS33	310	1D-3	3-5
ABS34	300	1D-3	8-10
ABS35	300	1D4	3-5
ABS36	300	1D-4	8-10
ABS37	250	1E-1	3-5
ABS38	110	1E-1	8-10
ABS39	300	1E-2	3-5
ABS40	310	1E-2	8-10
ABS42 (and duplicate ABS41)	280	1E-3	3-7
ABS43	200	1E-3	8-10
ABS44	290	1E-4	3-5
ABS45	200	1E-4	8-10
ABS46	300	1F-1	3-5
ABS47	300	1F-1	8-10
ABS48	300	1F-2	3-5
ABS49	310	1F-2	8-10
ABS50	300	1F-3	3-5
ABS52 (and duplicate ABS51)	300	1F-3	8-12
ABS53	220	1F-4	3-5
ABS54	200	1F-4	8-10
ABS55	280	1G-2	3-5
ABS56	220	1G-2	8-10

270017

Table 4-4. Results of headspace analysis (continued)

Sample ID	HNu reading (mg/kg)	Location (See Figures 2.1 and 2.2)	Depth (below land surface)
ABS57	300	1G-3	3-5
ABS58	320	1G-3	8-10
ABS59	300	1G-4	3-5
ABS60	360	1G-4	8-10
ABS62 (and duplicate ABS61)	>2000	2A-1	3-7
ABS63	>2000	2A-1	8-10
ABS64	350	1X-Z	3-5
ABS65	325	1X-Z	8-10
ABS66	>2000	2A-2	3-5
ABS67	>2000	2A-2	8-10
ABS68	>2000	2A-3	3-5
ABS69	>2000	2A-3	8-10
ABS70	>2000	2B-2	3-5
ABS72	>2000	2B-2	8-12
ABS73	>2000	2B-3	3-5
ABS74	>2000	2B-3	8-10
ABS75	>2000	2B-4	3-5
ABS76	>2000	2B-4	8-10
ABS77	>2000	2C-2	3-5
ABS78	>2000	2c-2	8-10
ABS79	>2000	2Y-Z	3-5
ABS80	>2000	2Y-Z	8-10
ABS81 (and duplicate ABS71)	>2000	2C-3	3-7
ABS82	>2000	2C-3	8-10

ID - identification

CHAPTER 5.0 CONCLUSIONS

Sample ABS19, collected from 3- to 5-foot below ground surface at Site 27, was found to have di-n-octylphthalate contamination at 95 mg/kg. The Florida cleanup criteria for di-n-octylphthalate in soils is 147 mg/kg; therefore, the concentration detected in ABS19 is below the cleanup criteria (Mora-Applegate 1991). The location of ABS19 is shown on Figure 2.1. The sample collected from the 8- to 10-foot interval in the same location (ABS20) did not display a headspace reading of greater than 50 mg/kg and was not analyzed for SVOCS. None of the samples collected northeast of the ABS19 location had headspace readings above 50 mg/kg either; therefore, none of those samples were analyzed for SVOCs. The use of caution is advised during further development of this area. Any persons involved in intrusive work in this area should be made aware of the contamination.

The detections of acetone and bis(2-ethylhexyl)phthalate are attributed to laboratory and/or field sampling artifacts. Sample concentrations for acetone are in the µg/kg range and the Florida cleanup criteria is 1 mg/kg (Mora-Applegate 1991). Sample concentrations for bis(2-ethylhexyl)phthalate are also in the µg/kg range and this compound is not included in the Florida Ground Water Guidance Concentrations (FDER 1989). Acetone is used in cleaning laboratory equipment that is used for conducting analyses and it is found in isopropanol which was used during the decontamination of field sampling equipment. Bis(2-ethylhexyl)phthalate is found in tubing used in laboratory equipment used for conducting analyses and it is also found in gloves worn by the sampling team during sample collection in the field.

The detections of other SVOCs and TICS were all in the µg/kg range, and these concentrations were below the CRDL. Florida cleanup criteria for soil can generally be established by using the Florida Ground Water Guidance Concentrations (FDER 1989) and multiplying them by 100. By using this method, all soil cleanup criteria is in the mg/kg range; therefore, all compounds detected below the CRDL are below the FDER cleanup criteria.

The highest detection of gross alpha was 3.9 picocuries/gram and the highest detection of ^{226}Ra was 2 picocuries/gram (these samples were collected from Site 27). By using 0.0 picocuries/gram as a background value, it is concluded that no radionuclide contamination exists at either site above the federal allowable limit of 15 picocuries/gram above background in soil below the top 6 inches (the allowable limit in the top 6 inches is 5 picocuries/gram above background) (EPA 1983).

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Thomas, William November 22, 1991. Radian Corporation, personal communication to Walt Oldendorf, Radian Corporation.

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Appendix A

CASE NARRATIVES FOR VOLATILE AND SEMIVOLATILE ANALYSES AND QC SUMMARIES FOR RADIONUCLIDE ANALYSES

Environmental
Science &
Engineering, Inc.

CASE NARRATIVE

November 14, 1991

CLIENT:	Navy-ABB-Pensacola
LAB NAME:	ESECO
CASE NUMBER:	ABB
SDG NUMBER:	4
SAMPLE MATRIX	WATER
CONTRACT NUMBER:	6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received sixteen samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABW1A01	NAABW1A*1	ABW01	10/15/91	10/16/91
NAABWIA02	NAABW1A*2	ABW02	10/15/91	10/16/91
NAABW1A03	NAABW1A*3	ABW03	10/16/91	10/17/91
NAABW1A04	NAABW1A*4	ABW04	10/16/91	10/17/91
NAABW1A05	NAABW1A*5	ABW05	10/16/91	10/17/91
NAABW1A06	NAABW1A*6	ABW06	10/17/91	10/18/91
NAABW1A07	NAABW1A*7	ABW07	10/17/91	10/18/91
NAABW1A08	NAABW1A*8	ABW08	10/15/91	10/16/91
NAABW1A09	NAABW1A*S	ABWOS	10/15/91	10/16/91
NAABW1A10	NAABW1A*10	ABW10	10/15/91	10/16/91
NAABW1A11	NAABW1A*11	ABW11	10/16/91	10/17/91
NAABWIA12	NAABW1A*12	ABW12	10/16/91	10/17/91
NAABW1A13	NAABW1A*13	ABW13	10/16/91	10/17/91
NAABW1A14	NAABW1A*14	ABW14	10/17/91	10/18/91
NAABW1A15	NAABW1A*15	ABW15	10/15/91	10/16/91
NAABW1A16	NAABW1A*16	ABW16	10/17/91	10/18/91

All of the above samples were analyzed for volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

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For all volatile samples and standards, the quantitation ion for acetone was 58 rather than the recommended 43. This was done to avoid interference in the quantitation of acetone by carbon dioxide.

Samples ABW 02, 03, 10, and 15 had surrogate recoveries out of control. All were reanalyzed with the same result, indicating a problem with the matrix.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

Catherine F. Storey
Catherine F. Storey
GC/MS Manager

Kenneth E. Dahlin
Kenneth Dahlin
QA Supervisor

270023

000042

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Environmental Science & Engineering, Inc.

CASE NARRATIVE

November 14,1991

CLIENT:	Navy-ABB-Pensacola
LAB NAME:	ESECO
CASE NUMBER:	ABB
SDG NUMBER:	1
SAMPLE MATRIX	WATER
CONTRACT NUMBER:	6912043-0001

The Denver laboratory o Environmental Science & Engineering (ESECO) received nine samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABW1A08	NAABW1A*8	ABW08	10/15/91	10/16/91
NAABW1A09	NAABW1A*9	ABW09	10/15/91	10/16/91
NAABW1A10	NAABW1A*10	ABW10	10/15/91	10/16/91
NAABW1A11	NAABW1A*11	ABW11	10/16/91	10/17/91
NAABW1A12	NAABW1A*12	ABW12	10116/91	10/17/91
NAABW1A13	NAABW1A*13	ABW13	10/16/91	10/17/91
NAABW1A14	NAABW1A*14	ABW14	10/17/91	10/18/91
NAABW1A15	NAABW1A*15	ABW15	10/15/91	10/16/91
NAABW1A16	NAABW1A*16	ABW16	10/17/91	10/18/91

All of the above samples were analyzed for semi-volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

Sample ABW12 was reanalyzed because of low Internal Standard areas, and the results of the reinjection were the same.

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Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

Matrix spikes and matrix spike duplicates were not requested on the waters. A standard matrix spike was extracted and analyzed and its results will be reported on control charts. All recoveries were within CLP limits except for 4-Nitrophenol which was not detected, apparently because of degradation of the spiking solution. A new matrix spiking solution has been prepared.

Catherine F. Storey

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GC/MS Manzger

270024

Lynnea Messner for KED

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000002

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Environmental Science & Engineering, Inc.

CASE NARRATIVE

Ncrember 14, 1991

CUENT: Navy-ABB-Pensacola
LAB NAME: ESECO
CASE NUMBER: ABB
SDG NUMBER: 1
SAMPLE MATRIX SOIL
CONTRACT NUMBER: 6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received twenty samples as listed below:

CUENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A07	NAABS1A*7	ABS07	10/15/91	10/16/91
NAABS1A08	NAABS1A"8	ABS08	10/15/91	10/16/91
NAABS1A15	NAABS1A*15	ABS15	10/15/91	10/16/91
NAABS1A19	NAABS1A*19	ABS19	10/15/91	10/16/91
NAABS1A22	NAABS1A*22	ABS22	10/15/91	10/16/91
NAABS1A28	NAABS1A*28	ABS28	10/16/91	10/17/91
NAABS1A29	NAABS1A*29	ABS29	10/16/91	10/17/91
NAABS1A30	NAABS1A*30	ABS30	10/16/91	10/17/91
NAABS1A32	NAABS1A*32	ABS32	10/16/91	10/17/91
NAABS1A33	NAABS1A*33	ABS33	10/16/91	10/17/91
NAABS1A34	NAABS1A*34	ABS34	10/16/91	10/17/91
NAABS1A35	NAABS1A*35	ABS35	10/16/91	10/17/91
NAABS1A36	NAABSIA*36	ABS36	10/16/91	10/17/91
NAABS1A37	NAABS1A*37	ABS37	10/16/91	10/17/91
NAABS1A38	NAABS1A*38	ABS38	10/16/91	10/17/91
NAABS1A39	NAABS1A*39	ABS39	10/16/91	10/17i91
NAABS1A40	NAABS1A*40	ABS40	10/16/91	10/17/91
NAABS1A42	NAABS1A*42	ABS42	10/16/91	10/17/97
NAABS1A43	NAABS1A*43	ABS43	10/16/91	10/17/91
NAABS1A44	NAABS1A*44	ABS44	10/16/91	10/17/97

All of the above samples were analyzed for volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

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For all volatile samples and standards, the quantitation ion for acetone was 58 rather than the recommended 43. This was done to avoid interference in the quantitation of acetone by carbon dioxide.

There were no sample containers of ABS30 without headspace, so the volatiles analysis had to be performed on sample from a half-empty container.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

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270025

000002

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Environmental Science & Engineering, Inc.

CASE NARRATIVE

November 15, 1991

CLIENT:	**Navy-ABB-Pensacola**
LA6 NAME:	ESECO
CASE NUMBER:	ABB
SDG NUMBER:	2
SAMPLE MATRIX	SOIL
CONTRACT NUMBER:	6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received twenty samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A21	NAABS1A*21	ABS21	10/15/91	10/16/91
NAABS1A31	NAABS1A*31	ABS31	10/16/91	10/17/91
NAABS1A41	NAABS1A*41	ABS41	10/16/91	10/17/91
NAABSIA45	NAABS1A*45	ABS45	10/16/91	10/17/91
NAABS1A46	NAABS1A*46	ABS46	10/16/91	10/17/91
NAABS1A47	NAABS1A*47	ABS47	10/16/91	10117/91
NAABS1A48	NAABS1A*48	ABS48	10/16/91	10/17/91
NAABS1A49	NAABS1A*49	ABS49	10/16/91	10/17/91
NAABS1A50	NAABSIAA50	ABS50	10/16/91	10/17/91
NAABS1A51	NAABSIA"51	ABS51	10/16/91	10/17/91
NAABS1A52	NAABS1A*52	ASS52	10/16/91	10/17/91
NAABS1A53	NAABSIA*53	ABS53	10/16/91	10/17/91
NAABS1A54	NAABS1A*54	ABS54	10116/91	10/17/91
NAABS1A55	NAABS1A*55	ABS55	10/16/91	10/17/91
NAABSIA56	NAABS1A*56	ABS56	10/16/91	10/17/91
NAABS1A57	NAABS1A*57	ABS57	10/16/91	10/17/91
NAABS1A58	NAABSIA*58	ABS58	10/16/91	10/17/91
NAABS1A59	NAABS1A*E9	ABS59	10/16/91	10/17/91
NAABS1A60	NAABS1A*60	ABS60	10/16/91	10/17/91
NAABS1A64	NAABS1A*64	ABS64	10/16/91	10117/91

All of the above samples were analyzed for volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

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Sample **ABS58** required a dilution to bring acetone within the linear calibrated range. The first analysis is not reported here as it was injected more than twelve hours after the tune.

For all volatile samples and standards, the quantitation ion for acetone was 58 rather than the recommended 43. This was done to avoid interference in the quantitation of acetone by carbon dioxide.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

Matrix spike and matrix spike dupiicates were performed on samples **ABS21 , ABS31 , ABS41,** and ABS51.

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270026

000002

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Science & Engineering, Inc.

CASE NARRATIVE

Novernbor 6,1991

CLIENT: Navy-ABB-Pensacola
LAB NAME: ESECO
CASE NUMBER: ABB
SDG NUMBER: 3
SAMPLE MATRIX SOIL
CONTRACT NUMBER: 6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received nineteen samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A61	NAABS1A*61	ABS61	10/17/91	10/18/91
NAABS1A62	NAABS1A*62	ASS62	10/17/91	10/18/91
NAABS1A65	NAABSIA*65	ABS65	10/16/91	10/17/91
NAABS1A66	NAABS1A*66	ABS66	10/17/91	10/18/91
NAABS1A67	NAABS1A*67	ABS67	10/17/91	10/18/91
NAABS1A68	NAABS1A*68	ABS68	10/17/91	10/18/91
NAABS1A70	NAABS1A*70	ABS70	10/17/91	10/18/91
NAABS1A71	NAABS1A*71	ABS71	10/17/91	10/18/91
NAABS1A72	NAABS1AA72	ABS72	10/17/91	10/18/31
NAABS1A73	NAABS1A*73	ABS73	10/17/91	10/18/91
NAABSlA74	NAABS1A*74	ABS74	10/17/91	10/18/91
NAABS1A75	NAABSIA*75	ABS75	10/17/91	10/18/91
NAABS1A76	NAABS1A*76	ABS76	10/17/91	10/18/91
NAABS1A77	NAABS1A*77	ABS77	10/17/91	10/18/91
NAABS1A78	NAABS1A*78	ABS78	10/17/91	10/18/91
NAABS1A79	NAABS1A*79	ABS79	10/17/91	10/18/91
NAABS1A80	NAABSIA*80	ABS80	10/17/91	10/18/91
NAABS1A81	NAABS1A*81	ABS81	10/17/91	10/189 1
NAABS1A82	NAABS1A*82	ABS82	10/17/91	10/18/91

All of the above samples were analyzed for volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

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Sample NAABS1A 62 required a dilution to bring acetone within the linear calibrated range. Both analyses are reported here.

For all volatile samples and standards, the quantitation ion for acetone was 58 rather than the recommended 43. This was done to avoid interference in the quantitation of acetone by carbon dioxide.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

Catherine F. Storey
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GC/MS Manager

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Emironmental
Science &
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CASE NARRATIVE

November 13, 1991

CUENT:	Navy-ABB-Pensacola
LAB NAME:	ESECO
CASE NUMBER:	ABB
SDG NUMBER:	2
SAMPLE MATRIX	SOIL
CONTRACT NUMBER:	6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received thirteen samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A70	NAABSIA*70	ABS70	10/17/91	10/18/91
NAABS1A71	NAABS1A*71	ABS71	10/17/91	10/18/91
NAABS1A72	NAABS1A*72	ABS72	10/17/91	10/18/91
NAABS1A73	NAABS1A*73	ABS73	10/17/91	10/18/91
NAABS1A74	NAABS1A*74	ABS74	10/17/91	10/18/91
NAABS1A75	NAABS1A*75	ABS75	10/17/91	10/18/91
NAABS1A76	NAABSIA*76	ABS76	10/17/91	10/18/91
NAABS1A77	NAABS1A*77	ABS77	10/17/91	10/18/91
NAABS1A78	NAABS1A*78	ABS78	10/17/91	10/18/91
NAABS1A79	NAABS1A*79	ABS79	10/17/91	10/18/91
NAABS1A80	NAABS1A*80	ABS80	10/17/91	10/18/91
NAABS1A81	NAABS1A*81	ABS81	10/17/91	10/18/91
NAABS1A82	NAABS1A*82	ABS82	10/17/91	10/18/91

All of the above samples were extracted and analyzed for semi-volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the 'Statement of Work for Organic Analysis" (SOW). There were no significant problems with the sample analysis.

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Phenol-d5 and 2-Fluorobiphenyl recoveries were high in the first injection of the method blank. The extract was reinjected with the same results. **All** the surrogates in all the samples met **CLP** criteria.

Sample ABS71 was extracted as a matrix spike and duplicate. Results are tabulated on Form **3.**

Form **1's** have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

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for KED
Kenneth Dahlin
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Environmental Science & Engineering, Inc.

CASE NARRATIVE

November 13,1991

CLIENT: Navy-ABB-Pensacola
LAB NAME: ESECO
CASE NUMBER: ABB
SDG NUMBER: 3
SAMPLE MATRIX SOIL
CONTRACT NUMBER: 6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received twenty samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A07	NAABS1A*7	ABS07	10/15/91	10/16/91
NAABS1A46	NAABS1A*46	ABS46	10/16/91	10/17/91
NAABS1A47	NAABSIA*47	ABS47	10/16/91	10/17/91
NAABS1A48	NAABS1A*48	ABS48	10/16/91	10/17/91
NAABS1A49	NAABS1A*49	ABS49	10/16/91	10/17/91
NAABS1A50	NAABS1A*50	ABS50	10/16/91	10/17/91
NAABS1A51	NAABSIA"51	ABS51	10/16/91	10/17/91
NAABS1A52	NAABS1A*52	ABS52	10/16/91	10/17/91
NAABS1A53	NAABS1A*53	ABS53	10/16/91	10/17/91
NAABSIA54	NAABS1A*54	ABS54	10/16/91	10/17/91
NAABS1A55	NAABSIA*55	ABS55	10/16/91	10/17/91
NAABS1A56	NAABS1A*56	ABS56	10/16/91	10/17/91
NAABS1A57	NAABSIA*57	ABS57	10/16/91	10/17/91
NAABS1A58	NAABS1A*58	ABS58	10/16/91	10/17/91
NAABS1A59	NAABS1A*59	ABS59	10/16/91	10/17/91
NAABS1A61	NAABS1A*61	ABS61	10/17/9[illegible]	10/18/91
NAABS1A62	NA4BS1A*62	ABS62	10/17/91	10/18/91
NAABS1A66	NAABS1A*66	ABS66	10/17/91	10/18/91
NAABS1A67	NAABS1A*67	ABS67	10/17/91	10/18/91
NAABS1A68	NAABS1A*68	ABS68	10/17/91	10/18/91

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All of the above samples were extracted and analyzed for semi-volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the "Statement of Work for Organic Analysis' (SOW). There were no significant problems with the sample analysis.

Internal standard areas were out of control in sample ABS07. Since the sample could not be re-extracted within holding time, it was reinjected with the same result. Both analyses are reported here.

Samples ABS 51 and 61 were extracted as matrix spikes and duplicates. Results are tabulated on Form 3s.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

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Environmental Science & Engineering, Inc.

CASE NARRATIVE

November 15,1991

CLIENT: Navy-ABB-Pensacola
LAB NAME: ESECO
CASE NUMBER: ABB
SDG NUMBER: 4
SAMPLE MATRIX SOIL
CONTRACT NUMBER: 6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received seventeen samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A29	NAABS1A*29	ABS29	10/16/91	10/17/91
NAABS1A30	NAABS1A*30	ABS30	10/16/91	10/17/91
NAABS1A31	NAABS1A*31	ABS31	10/16/91	10/17/91
NAABS1A32	NAABS1A*32	ABS32	10/16/91	10/17/91
NAABS1A33	NAABS1A*33	ABS33	10/16/91	10/17/91
NAABS1A34	NAABS1A*34	ABS34	10/16/91	10/17/91
NAABS1A35	NAABSIA*35	ABS35	10/16/91	10117/91
NAABS1A36	NAABS1A*36	ABS36	10/16/91	10/17/91
NAABS1A37	NAABS1A*37	ABS37	10/16/91	10/17/91
NAABSIA38	NAABSIA*38	ABS38	10/16/91	10/17/91
NAABS1A39	NAABS1A*39	ABS39	10/16/91	10/17/91
NAABS1A40	NAABS1A*40	ABS40	10/16/91	10/17/91
NAABS1A41	NAABSIA*41	ABS41	10/16/91	10/17/91
NAABS1A42	NAABS1A*42	ABS42	10/16/91	10/17/91
NAABS1A43	NAABS1A*43	ABS43	10/16/91	10/17/91
NAABS1A44	NAABS1A*44	ABS44	10/16/91	10/17/91
NAABS1A45	NAABS1A*45	ABS45	10/16/91	10/17/91

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All of the above samples were extracted and analyzed for semi-volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the 'Statement of Work for Organic Analysis? (SOW). Problems with the sample analysis are discussed below.

Sample ABS34 and ABS31MSD seem to have been spiked incorrectly. The problem was not discovered until after holding times had expired. Both were re-extracted out of holding time and both analyses are reported here.

Samples ABS 31 and 41 were extracted as matrix spikes and duplicates. Results are tabulated on Form 3s.

One internal standard area was out of control in ABS31MS but the SOW does not call for reanalysis of matrix spikes or duplicates.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

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Environmental Science & Engineering, Inc.

CASE NARRATIVE

November 18, 1991

CLIENT:	Navy-ABB-Pensacola
LAB NAME:	ESECO
CASE NUMBER:	ABB
SDG NUMBER:	6
SAMPLE MATRIX	SOIL
CONTRACT NUMBER:	6912043-0001

The Denver laboratory of Environmental Science & Engineering (ESECO) received nine samples as listed below:

CLIENT SAMPLE DESIGNATION	ESE SAMPLE DESIGNATION	FORM I SAMPLE ID	COLLECTION DATE	VTSR
NAABS1A08	NAABS1A*08	ABS08	10/15/91	10/16/91
NAABS1A15	NAABS1A*15	ABS15	10/15/91	10/16/91
NAABS1A19	NAABS1A*19	ABS13	10/15/91	10116191
NAABS1A21	NAABS1A*21	ABS21	10/15/91	10/16/91
NAABS1A22	NAABS1A*22	ABS22	10/15/91	10/16/91
NAABS1A28	NAABS1A*28	ABS28	10/16/91	10/17/91
NAABS1A60	NAABS1A*60	ABS60	10/16/91	10/17/91
NAABS1A64	NAABS1A*64	ABS64	10/16/91	10/17/91
NAABS1A65	NAABS1A*65	ABS65	10116/31	10117/91

All of the above samples were extracted and analyzed for semi volatile organic compounds according to the Contract Laboratory Program 2/88 revision of the 'Statement of Work for Organic Analysis" (SOW). Problems with the sample analysis are discussed below.

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Samples ABS21, ABS28, and ABS64 seem to have been mistakenly spiked with matrix spiking solution as well as double surrogate spike. The problem was not discovered until after holding times had expired. All were re-extracted out of holding time and both analyses are reported here. The MS/MSDs associated with samples ABS21 and ABS28 were also re-extracted and both analyses are reported here, although there were no problems with either analysis.

Sample ABS19 required a dilution of 10 to bring di-n-octyl phthalate into the linear calibrated range.

Form 1's have sample collection date entered instead of VTSR because holding times for this project are based on collection dates.

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SSIFICATION : PERCENT MOISTURE - ASTM D2216

ATUS : FINAL

OD BLANK CORRECTION METHOD : NONE

MPLE	CLIENT ID
1	FD#
#2	
ABS1A#3	
ABS1A#4	
BS1A#5	
BS1A#6	
BS1A#7	
ABS1A#8	
ABS1A#9	
BS1A#10	
BS1A#11	FD#
ABS1A#12	
ABS1A#13	
BS1A#14	
BS1A#15	
BS1A#16	
ABS1A#17	
BS1A#18	
BS1A#19	
BS1A#20	
ABS1A#21	FD#
ABS1A#22	
BS1A#23	
BS1A#24	
BS1A#25	
ABS1A#26	
ABS1A#27	
BS1A#28	
BS1A#29	
ABS1A#30	
ABS1A#31	FD#
BS1A#32	
BS1A#33	
#34	
#35	
#36	
BS1A#37	
BS1A#38	
ABS1A#39	
ABS1A#40	
BS1A#41	FD#
BS1A#42	
BS1A#43	
ABS1A#44	
ABS1A#45	
BS1A#46	

thod Blank Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
29/91	MB*QC*1	70320*1	MOISTURE	WET WT	ND
29/91	MB*QC*2	70320*1	MOISTURE	%WET WT	ND
29/91	MB*QC*3	70320*1	MOISTURE	WET WT	ND

licate Analysis Sample Summary

	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
29/91	RP*NAABS1A-1	70320*1	MOISTURE	%WET WT	3.9	3.9	0.0	23
29/91	RP*NAABS1A*6	70320*1	MOISTURE	%WET WT	3.8	3.6	5.4	23
29/91	RP*NAABS1A*11	70320*1	MOISTURE	%WET WT	3.2	3.3	3.1	23
29/91	RP*NAABS1A*18	70320*1	MOISTURE	%WET WT	3.4	3.3	3.0	23

Computer QC Checks

	Yes	No	"Exceptions" Comment / Corrective Action
od blank present?	X		
od blank within acceptance criteria?	X		
ple replicate present?	X		
le replicate within acceptance criteria?	X		

: BATCH : G24003
ASSIFICATION : PERCENT MOISTURE - ASTM D2216

TATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

AMPLE DE	CLIENT ID
ABS1A*47	
ABS1A*48	
AABS1A*49	
AABS1A*50	
ABS1A*51	FD#
ABS1A*52	
AABS1A*53	
AABS1A*54	
ABS1A*55	
ABS1A*56	
ABS1A*57	
AABS1A*58	
AABS1A*59	
ABS1A*60	
ABS1A*61	FD#
AABS1A*62	
AABS1A*63	
AABS1A*64	
AABS1A*65	
AABS1A*66	
AABS1A*67	
AABS1A*68	
AABS1A*69	
AABS1A*70	
AABS1A*71	FD#
AABS1A*72	
AABS1A*73	
AABS1A*74	
AABS1A*75	
AAES1A*76	
AABS1A*77	
AABS1A*78	
AABS1A*79	
AABS1A*80	
AABS1A*81	
AABS1A*82	

ethod Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
11/01/91	MB*QC*1	70320*1	MOISTURE	%WET WT	ND
1/01/91	MB*QC*2	70320*1	MOISTURE	%WET WT	ND
1/01/91	MB*QC*3	70320*1	MOISTURE	%WET WT	ND

eplicate Analysis Sample Summary

ATE	SAMPLE	STORET	PARAMETER	UNITS	REP 11	REP 12	RPD	RID CRIT
1/01/91	RP*NAABS1A*47	70320*1	MOISTURE	%WET UT	3.6	3.6	0.0	23
1/01/91	RP*NAABS1A*51	70320*1	MOISTURE	%WET WT	4.2	4.1	2.4	23
11/01/91	RP*NAABS1A*61	70320*1	MOISTURE	%WET Wn	3.5	3.6	2.8	23
11/01/91	RP*NAABS1A*71	70320*1	MOISTURE	%WET UT	15.4	14.4	6.7	23
1/01/91	RP*JMS2*129	70320*1	MOISTURE	%WET Wn	39.0	31.7	0.0	23
11/01/91	RP*IFZEL1*6	70320*1	MOISTURE	%WET WT	64.5	64.0	0.8	23

Computer QC Checks

	Yes	"Exceptions" No	Comment / Corrective Action
ethod blank present?	X		
ethod blink within acceptance criteria?	X		
ample replicate present?	X		
ample replicate within acceptance criteria?	X		

270032

ASSIFICATION : GROSS ALPHA - SW9310

TATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

AMPLE	CLIENT ID
*1	FD#
ABSIA*2	
AABSIA*3	
AABSIA*4	
ABSIA*5	
ABSIA*6	
ABSIA*7	
AABSIA*8	
AABSIA*10	
ABSIA*11	FD#
ABSIA*12	
AABSIA*13	
AABSIA*14	
ABSIA*15	
ABSIA*16	
ABSIA*17	
AABSIA*18	
ABSIA*19	
ABSIA*20	
ABSIA*21	FD#
AABSIA*22	
AABSIA*23	
ABSIA*24	
ABSIA*25	
ABSIA*26	
AABSIA*27	

thod Blank Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
1/13/91	MB*QC*1	1507*R	ALPHA. GROSS. SED	PC/G-DRY	6.1
1/13/91	MB*QC*2	1507*R	ALPHA,GROSS,SED	PC/G-DRY	ND

ndard Matrix Spike Recovery Summary

	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
1	SP*QC*1	1507*R	ALPHA,GROSS,SED	92.5	75-125	PC/G-DRY	6.7	6.2
91	SP*QC*2	1507*R	ALPHA,GROSS,SED	113.4	75-125	PC/G-DRY	6.7	7.6

ple Matrix Spike Recovery Summary

TE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
1/13/91	SPM1*NAABSIA*1	1507*R	ALPHA,GROSS,SED	94.4	75-125	0.4	PC/G-DRY	8.9	8.4	
13/91	SPM2*NAABSIA*1	1507*R	ALPHA. GROSS. SED	90.4	75-125	6.4	PC/G-DRY	8.3	7.5	4.8
13/91	SPM1*NAABSIA*11	1507*R	ALPHA,GROSS,SED	92.9	75-125	0.5	PC/G-DRY	8.4	7.8	
13/91	SPM2*NAABSIA*11	1507*R	ALPHA,GROSS,SED	90.4	75-125	0.5	PC/G-DRY	8.3	7.5	2.6

Computer QC Checks

	Yes	"Exceptions" No	Comment / Corrective Action
thod blank present?	X		
thod blank within rceptrnce criteria?	X		
ndard matrix spike present?	X		
ndard matrix spike within acceptance criteria?	X		
mple matrix spike present?	X		
ple matrix spike within acceptance criteria?	X		
mple matrix spike duplicate present?	X		
mple matrix spike duplicate within acceptance criteria?	X		

E BATCH : G24375
ASSIFICATION : GROSS ALPHA - SW9310

TATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

SAMPLE CODE	CLIENT ID
ABSIA*28	
ABSIA*29	
AABSIA*30	
AABSIA*31	FD#
ABSIA*32	
ABSIA*33	
ABSIA*34	
AABSIA*35	
ABSIA*36	
ABSIA*37	
ABSIA*38	
AABSIA*39	
AABSIA*40	
ABSIA*41	FD#
ABSIA*42	
ABSIA*43	
AABSIA*44	
ABSIA*45	
ABSIA*46	
ABSIA*47	
AABSIA*48	
AABSIA*49	

thod Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
1/13/91	MB*QC*1	1507*R	ALPHA, GROSS, SED	PC/G-DRY	0.3
1/13/91	MB*QC*2	1507*R	ALPHA. CROSS, SED	PC/G-DRY	0.4

ndard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
1/13/91	SP*QC*1	1507*R	ALPHA, CROSS. SED	81.1	75-125	PC/G-DRY	9.0	7.3
1/13/91	SP*QC*2	1507*R	ALPHA, GROSS, SED	1e2.2	75-125	PC/G-DRY	9.a	9.2

mple Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
1/13/91	SPM1*NAABSIA*31	1507*R	ALPHA, GROSS, SED	88.7	75-125	1.0	PC/G-DRY	7.1	6.3	
1/13/91	SPM2*NAABSIA*31	1507*R	ALPHA. GROSS, SED	E6.8	75-125	1.0	PC/G-DRY	7.6	6.6	1.9
1/13/91	SPM1*NAABSIA*41	1507*R	ALPHA, CROSS. SED	89.7	75-125	2.3	PC/G-DRY	7.0	7.0	
1/13/91	SPM2*NAABSIA*41	1507*R	ALPHA, GROSS, SED	92.2	75-125	2.3	PC/G-DRY	7.7	7.1	3.a

Computer QC Checks

	Yes	"Exceptions" & Comment / Corrective Action
thod blank present?	X	
thod blank within acceptance criteria?	X	
ndard matrix spike present?	X	
ndard matrix spike within acceptance criteria?	X	
ple matrix spike present?	X	
ple matrix spike within acceptance criteria?	X	
ple matrix spike duplicate present?	X	
ple matrix spike duplicate within acceptance criteria?	X	

270033

ASSIFICATION : GROSS ALPHA - SW9310

STATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

SAMPLE	CLIENT ID
A*50	
SIA*51	FD#
NAABSIA*52	
NAABSIA*53	
ABSIA*54	
ABSIA*55	
AABSIA*56	
NAABSIA*57	
AABSIA*58	
ABSIA*59	
ABSIA*60	
NAABSIA*61	FD#
NAABSIA*62	
ABSIA*63	
ABSIA*64	
AABSIA*65	
NAABSIA*66	
AABSIA*67	
AABSIA*68	
AABSIA*69	
NAABSIA*70	
NAABSIA*71	FW
AABSIA*72	
AABSIA*73	
AABSIA*74	
NAABSIA*75	
AABSIA*76	
AABSIA*77	
AABSIA*78	
NAABSIA*79	
NAABSIA*80	
AABSIA*81	
AABSIA*82	

Blank Sample Summary

	SAMPLE	STORET	PARAMETER	UNITS	FOUND
1/14/91	MB*QC*1	1507*R	ALPHA,GROSS,SED	PC/G-DRY	ND
1/14/91	MB*QC*2	1507*R	ALPHA,GROSS,SED	PC/G-DRY	ND

Standard Matrix Spike Recovery Summary

ATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
1/14/91	SP*QC*1	1507*R	ALPHA,GROSS,SED	98.0	75-125	PC/G-DRY	9.0	8.[illegible]
1/14/91	SP*QC*2	1507*R	ALPHA,GROSS,SED	87.8	75-125	PC/G-DRY	9.0	7.9

Sample Matrix Spike Recovery summery

ATE	SAMPLE	STORET	PARAMETER	XRECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
1/14/91	SPM1*NAABSIA*51	1507*R	ALPHA, CROSS. SED	95.4	75-125	8.5	PC/G-DRY	8.7	8.3	
11/14/91	SPM2*NAABSIA*51	1507*R	ALPHA. CROSS. SED	92.9	75-125	8.S	PC/G-DRY	8.5	7.9	3.9
11/14/91	SPM1*NAABSIA*61	1507*R	ALPHA,GROSS,SED	81.6	75-125	1.0	PC/G-DRY	7.6	6.2	
1/14/91	SPM2*NAABSIA*61	1507*R	ALPHA,GROSS,SED	88.2	75-125	1.0	PC/G-DRY	8.5	7.5	8.3

Computer QC Checks

	Yes	No	'Exceptions' Comment / Corrective Action
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike ulthin acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate ulthin acceptance criteria?	X		

E BATCH : G24377
ASSIFICATION : RADIUM 226 - SW9315

STATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

SAMPLE CODE	CLIENT ID
ABSIA*1	FD#
ABSIA*2	
NAABSIA*3	
NAABSIA*4	
ABSIA*5	
ABSIA*6	
ABSIA*7	
NAABSIA*8	
ABSIA*10	
ABSIA*11	FD#
ABSIA*12	
NAABSIA*13	
NAABSIA*14	
ABSIA*15	
ABSIA*16	
ABSIA*17	
NAABSIA*18	
ABSIA*19	
ABSIA*20	
ABSIA*21	FD#
NAABSIA*22	
NAABSIA*23	
ABSIA*24	
ABSIA*25	
ABSIA*26	
NAABSIA*27	

thod Blank Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
1/12/91	MB*QC*1	9507*R	RADIUM 226,SED	PC/G-DRY	ND
1/12/91	MB*QC*2	9507*R	RADIUM 226,SED	PC/G-DRY	ND

ndard Matrix Spike Recovery Summary

TE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
1/12/91	SP*QC*1	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4
1/12/91	SP*QC*2	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4

ple Matrix Spike Recovery Summary

TE	SAMPLE	STORET	PARAMETER	%RECV	RLCV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
1/12/91	SPM1*NAABSIA*1	9507*R	RADIUM 226,SED	125	60-140	0.3	PC/G-DRY	4	5	
1/12/91	SPM2*NAABSIA*1	9507*R	RADIUM 226,SED	100	60-140	0.3	PC/G-DRY	4	4	21
1/12/91	SPM1*NAABSIA*11	9507*R	RADIUM 226,SED	100	61-14)	0.3	PC/G-DRY	4	4	
1/12/91	SPM2*NAABSIA*11	9507*R	RADIUM 226,SED	100	60-140	0.3	PC/G-DRY	4	4	5

Computer QC Checks

	Yes	"Exceptions" No	Comment / Corrective Action
thod blank present?	X		
thod blank within acceptance criteria?	X		
ndard matrix spike present?	X		
ndard matrix spike ulthin acceptance criteria?	X		
ple matrix spike present?	X		
ie matrix spike within acceptance criteria?	X		
ple matrix spike duplicate present?	X		
ple matrix spike duplicate within acceptance criteria?	X		

270031

ASSIFICATION : RADIUM 226 - SW9315

TATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

SAMPLE	CLIENT ID
*28	
ABS1A*29	
NAABS1A*30	
NAABS1A*31	FD#
ABS1A*32	
ABS1A*33	
ABS1A*34	
NAABS1A*35	
ABS1A*36	
ABS1A*37	
ABS1A*38	
NAABS1A*39	
NAABS1A*40	
ABS1A*41	FD#
ABS1A*42	
ABS1A*43	
NAABS1A*44	
ABS1A*45	
ABS1A*46	
ABS1A*47	
NAABS1A*48	
NAABS1A*49	

thod Blank Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
1/12/91	MB*QC*1	9507*R	RADIUM 226,SED	PC/G-DRY	B.2
/12/91	MB*QC*2	9507*R	RADIUM 226,SED	PC/G-DRY	D.l

andard Matrix Spike Recovery Summary

ATE	SAMPLE	STORET	PARAMETER	%RECV	RCCV CRIT	UNITS—	TARGET	FOUND
1/12/91	SP*QC*1	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4
/12/91	SP*QC*2	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4

Matrix Spike Recovery Summary

	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
, .91	SPM1*NAABS1A*31	9507*R	RADIUM 226,SED	100	60-140	0.5	PC/G-DRY	4	4	
/12/91	SPM2*NAABS1A*31	9507*R	RADIUM 226,SED	125	60-140	0.5	PC/G-DRY	4	5	29
/12/91	SPM1*NAABS1A*41	9507*R	RADIUM 226,SED	100	60-140	B.5	PC/G-DRY	4	4	
1/12/91	SPM2*NAABS1A*41	9507*R	RADIUM 226,SED	125	60-140	0.5	PC/G-DRY	4	5	32

Computer QC Checks

	Yes	"Exceptions" No	Comment / Corrective Action
ethod blank present?	X		
ethod blank within acceptance criteria?	X		
andard matrix spike present?	X		
tandard matrix spike within acceptance criteria?	X		
mple matrix spike present?	X		
mple matrix spike within acceptance criteria?	X		
mple matrix spike duplicate present?	X		
mple matrix spike duplicate within acceptance criteria?	X		

BATCH : 924500

CLASSIFICATION : RADIUM 226 - SW9315

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

SAMPLE ID	CLIENT ID
ABSIA*50	
ABSIA*51	FD8
NAABSIA*52	
NAABSIA*53	
ABSIA*54	
ABSIA*55	
NAABSIA*56	
NAABSIA*57	
ABSIA*58	
ABSIA*59	
ABSIA*60	
NAABSIA*61	FD8
NAABSIA*62	
ABSIA*63	
ABSIA*64	
NAABSIA*65	
NAABSIA*66	
ABSIA*67	
ABSIA*68	
ABSIA*69	
NAABSIA*70	
NAABSIA*71	FD8
ABSIA*72	
ABSIA*73	
NAABSIA*74	
NAABSIA*75	
ABSIA*76	
ABSIA*77	
ABSIA*78	
NAABSIA*79	
NAABSIA*80	
NAABSIA*81	
ABSIA*82	

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
11/14/91	MB*QC*1	9507*R	RADIUM 226,SED	PC/G-DRY	ND
11/14/91	MB*QC*2	9507*R	RADIUM 226,SED	PC/G-DRY	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
11/14/91	SP*QC*1	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4
11/14/91	SP*QC*2	9507*R	RADIUM 226,SED	100	60-140	PC/G-DRY	4	4

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
11/14/91	SPM1*NAABSIA*51	9507*R	RADIUM 226,SED	100	60-140	0.4	TWO-DRY	4	4	
11/14/91	SPM2*NAABSIA*51	9507*R	RADIUM 226,SED	100	60-140	0.4	PC/G-DRY	4	4	4
11/14/91	SPM1*NAABSIA*61	9507*R	RADIUM 226,SED	100	60-140	0.2	PC/G-DRY	4	4	
11/14/91	SPM2*NAABSIA*61	9507*R	RADIUM 226,SED	100	60-140	0.2	PC/G-DRY	4	4	5

Computer QC Checks

	Yes	"Exceptions" No	Comment / Corrective Action
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?			
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		

270035

ASSIFICATION : RADIUM 226

TATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

SAMPLE	CLIENT ID
A*8	EQPBLK
WIA*9	EQPBLK
AABWIA*10	EQPBLK
AABWIA*11	EQPBLK
ABWIA*12	EQPBLK
ABWIA*13	EQPBLK
AABWIA*14	EQPBLK
AABWIA*15	FLDBLK
ABWIA*16	FLDBLK

thod Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
11/17/91	MB*QC*1	9501*R	RADIUM 226	PC/L	ND

pplicate Analysis Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP 82	RPD	RPD CRIT
11/17/91	RP*NAABWIA*10	9591*R	RADIUM 226	PC/L	2.1	2.8	29	20

tandard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
11/17/91	SP1*QC*1	9501*R	RADIUM 226	100	55-135	PC/L	19	19
11/17/91	SP2*QC*1	9501*R	RADIUM 226	95	55-135	PC/L	19	18

ample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
11/17/91	SPM1*NAABWIA*12	9501*R	RADIUM 226	100	55-135	0.0	PC/L	56	56	
11/17/91	SPM2*NAABWIA*12	9501*R	RADIUM 226	100	55-135	0.0	PC/L	56	56	0.0

Computer QC Checks

	Yes	No	'Exceptions' Comment / Corrective Action
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample replicate present?	X		
Sample replicate within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		

BATCH : G24409
ASSIFICATION : GROSS ALPHA - EPA 900

ATUS : FINAL

THOD BLANK CORRECTION METHOD : NONE

MPLE DE	CLIENT ID
ABWIA*8	EQPBLK
ABWIA*9	EQPBLK
ABWIA*10	EQPBLK
ABWIA*11	EQPBLK
BWIA*12	EQPBLK
BWIA*13	EQPBLK
ABWIA*14	EQPBLK
ABWIA*15	FLDBLK
ABWIA*16	FLDBLK

thod Blank Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
/15/91	MB*QC*1	1501*R	ALPHA, GROSS	PC/L	ND

licate Analysis Sample Summary

TE	SAMPLE	STORET	PARAMETER	UNITS	RIP #1	RIP 82	RPD	RPD CRIT
1/15/91	RP*NAABWIA*8	1501*R	ALPHA, CROSS	PC/L	0.3	0.1	100.0	20

ndard Matrix Spike Recovery Summary

TE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
1/15/91	SP*QC*1	1501*R	ALPHA, GROSS	106.1	77-111	PC/L	35.8	38.0

mple Matrix Spike Recoveru Summaru

TE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND	RPD
1/15/91	SPM1*NAABWIA*9	1501*R	ALPHA, GROSS	91.1	77-111	@.I	PC/L	35.8	32.6	
1/15/91	SPM2*NAABWIA*9	1501*R	ALPHA, GROSS	95.8	77-111	@.I	PC/L	35.8	34.3	5.1

Computer QC Checks

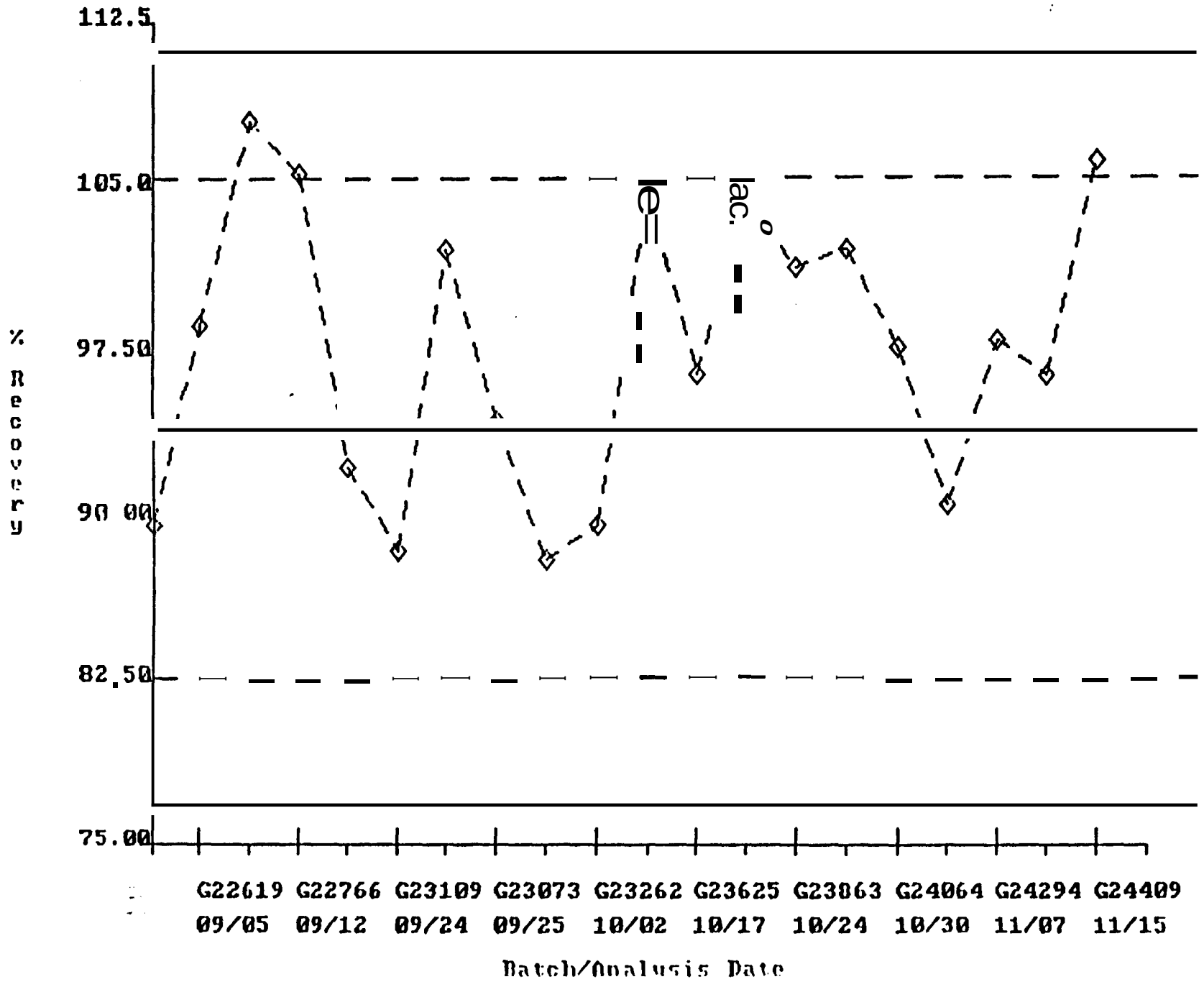
	Yes	"Exceptions" No	Comment / Corrective Action
lysis holding time uithin crlterla?	X		
ract holding time uithln crlteria?	X		
hod blank present?	X		
hod blank uithin acceptance criterla?	X		
mple replicate present?	X		
mple replicate ulthin acceptance criteria?	X		
ndard matrix spike present?	X		
ndard matrix spike uithln acceptance criterla?	X		
mple matrix spike present?	X		
mple matrix spike uithin acceptance criterla?	X		
mple matrix spike duplicate present?	X		
mple matrix rplke duplicate within acceptance crlterla?	X		

270036

Appendix B

METHOD BLANK SPIKE CONTROL CHARTS FOR RADIONUCLIDE ANALYSES, AND SURROGATE, MS, AND MSD RECOVERIES FOR VOLATILE AND SEMIVOLATILE ANALYSES

Standard Matrix Spike [SP] ALPHA,GROSS, PC/L 1501*R



Standard Matrix Spikes (SP) ALPHA,GROSS, PC/L 1501*R

BATCH	SAMPLE	DATE	TARGET	RECOVERY	COMMENT
G22554	G22554*SP*NONE*1	09/04/91	33.6	89.690	
G22619	G22619*SP*NONE*2	09/05/91	33.6	98.818	
G22619	G22619*SP*NONE*1	09/05/91	33.6	108.04	
G22766	G22766*SP*NONE*1	09/12/91	33.6	105.65	
G22796	G22796*SP*NONE*1	09/13/91	44.8	92.291	
G23109	G23109*SP*NONE*1	09/24/91	33.6	88.498	
G23109	G23109*SP*NONE*2	09/24/91	33.6	182.21	
G23073	G23073*SP*NONE*1	09/25/91	35.6	94.458	
G23167	G23167*SP*NONE*1	09/27/91	44.8	88.045	
G23262	G23262*SP*NONE*1	10/02/91	33.6	89.69)	
G23386	G23386*SP*NONE*1	10/08/91	33.6	104.89	
G23625	G23625*SP*NONE*1	10/17/91	33.6	96.544	
G23751	G23751*SP*NONE*1	10/22/91	33.6	104.59	
G23863	G23863*SP*NONE*1	10/24/91	35.8	101.48	
G24064	G24064*SP*NONE*1	10/30/91	38.0	182.29	
G24064	G24064*SP*NONE*2	10/30/91	38.0	97.818	
G24065	G24065*SP*NONE*1	10/31/91	44.8	90.503	
G24294	G24294*SP*NONE*1	11/07/91	44.8	98.181	
G24294	G24294*SP*NONE*2	11/07/91	44.8	96.536	
G24409	G24409*SP*NONE*1	11/15/91	35.8	106.IS	

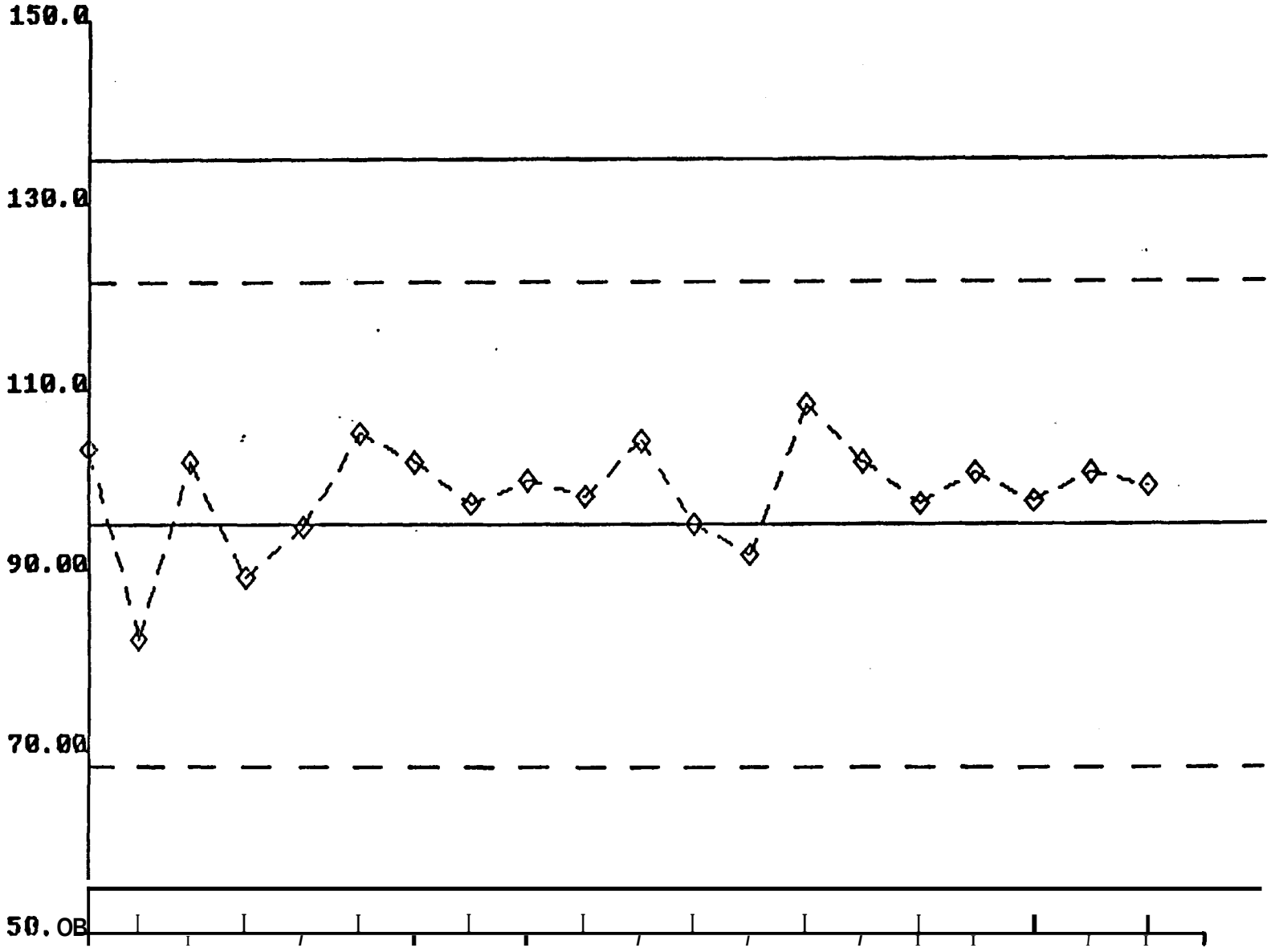
U. LIMIT	L. LIMIT	U. W. LIMIT	L. W. LIMIT	AVG REC	STD DEV REC
111.1	76.9	185.4	82.6	94	5.1

ACCOND
U. • UPPCR
L. • LOWER
W. • WARNING
REC • ACCOVCRY

REPORTING OPTIONS
REPORT LAST N DATA POINTS (ENTER A NUMBER)
EXCLUDE ZERO RCCVS FROM STATISTICS
USE ACTIVE CONTROL LIMITS FROM SHEET FILE
PLOT QC CHART
AUTO PRINT QC CHARTS TO PRINTER W/O Shift-PrtScrn

270033

Standard Matrix Spike [SP] RAD. 226, PC/L 9501*R



Standard Matrix Spikes (SP) RADIUM 226, PC/L 9501*R

BATCH	SAMPLE	DATE	TARGET	RECOVERY	COMMENT
G22642	G22642*SP*NONE*2	09/06/91	37	103.32	
G22744	G22744*SP*NONE*3	09/11/91	19	82.384	
G22744	G22744*SP*NONE*2	09/11/91	19	101.88	
G22744	G22744*SP*NONE*1	09/11/91	19	09.222	
G22962	G22962*SP2*NONE*1	09/21/91	19	94.722	
G22962	G22962*SP1*NONE*1	09/21/91	19	105.01	
G23294	G23294*SP1*NONE*1	10/03/91	19	102.03	
G23294	G23294*SP2*NONE*1	10/03/91	19	97.481	
G23670	G23670*SP1*NONE*1	10/18/91	19	99.995	
G23670	G23670*SP2*NONE*1	10/18/91	19	98.200	
G23862	G23862*SP1*NONE*1	10/24/91	19	104.28	
G23862	G23862*SP2*NONE*1	10/24/91	19	95.054	
G24062	G24062*SP*NONE*1	11/01/91	19	91.751	
G24062	G24062*SP*NONE*2	11/01/91	19	108.24	
G24077	G24077*SP1*NONE*1	11/03/91	19	101.84	
G24077	G24077*SP2*NONE*1	11/03/91	19	97.229	
G24350	G24350*SP*NONE*1	11/13/91	19	100.71	
G24350	G24350*SP*NONE*2	11/13/91	19	97.497	
G24413	G24413*SP1*NONE*1	11/17/91	19	100.72	
G24413	G24413*SP2*NONE*1	11/17/91	19	99.281	

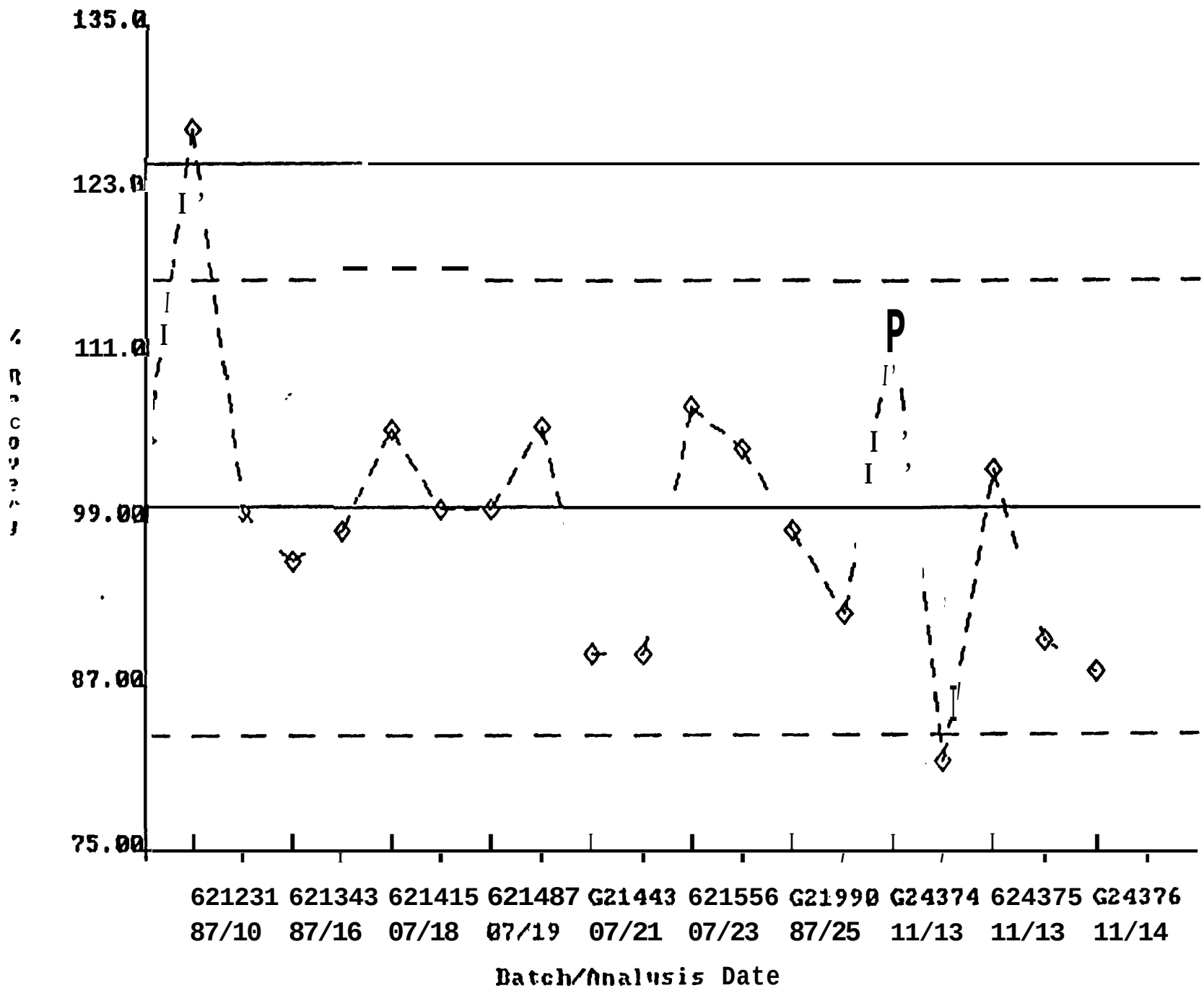
U. LIMIT	L. LIMIT	U. W. LIMIT	L. W. LIMIT	AVG REC	STD DEV REC
134.9	55.1	121.6	68.4	95	13.3

LEGEND
U. = UPPER
L. = LOWER
W. = WARNING
REC = RECOVERY

REPORTING OPTIONS
REPORT LAST N DATA POINTS (ENTER A NUMBER)
EXCLUDE ZERO RECVS FROM STATISTICS
USE ACTIVE CONTROL LIMITS FROM STORET FILE
PLOT QC CHART
AUTO PRINT QC CHARTS TO PRINTER W/O Shift-PrtScrn

270039

Standard Matrix Spike [SP] ALPHA, [illegible]OSS,SED, PC/G-DRY 1507*R



Landard Matrix Spikes (SP) ALPHA,GROSS,SED, PC/'I-DRY 1507"R

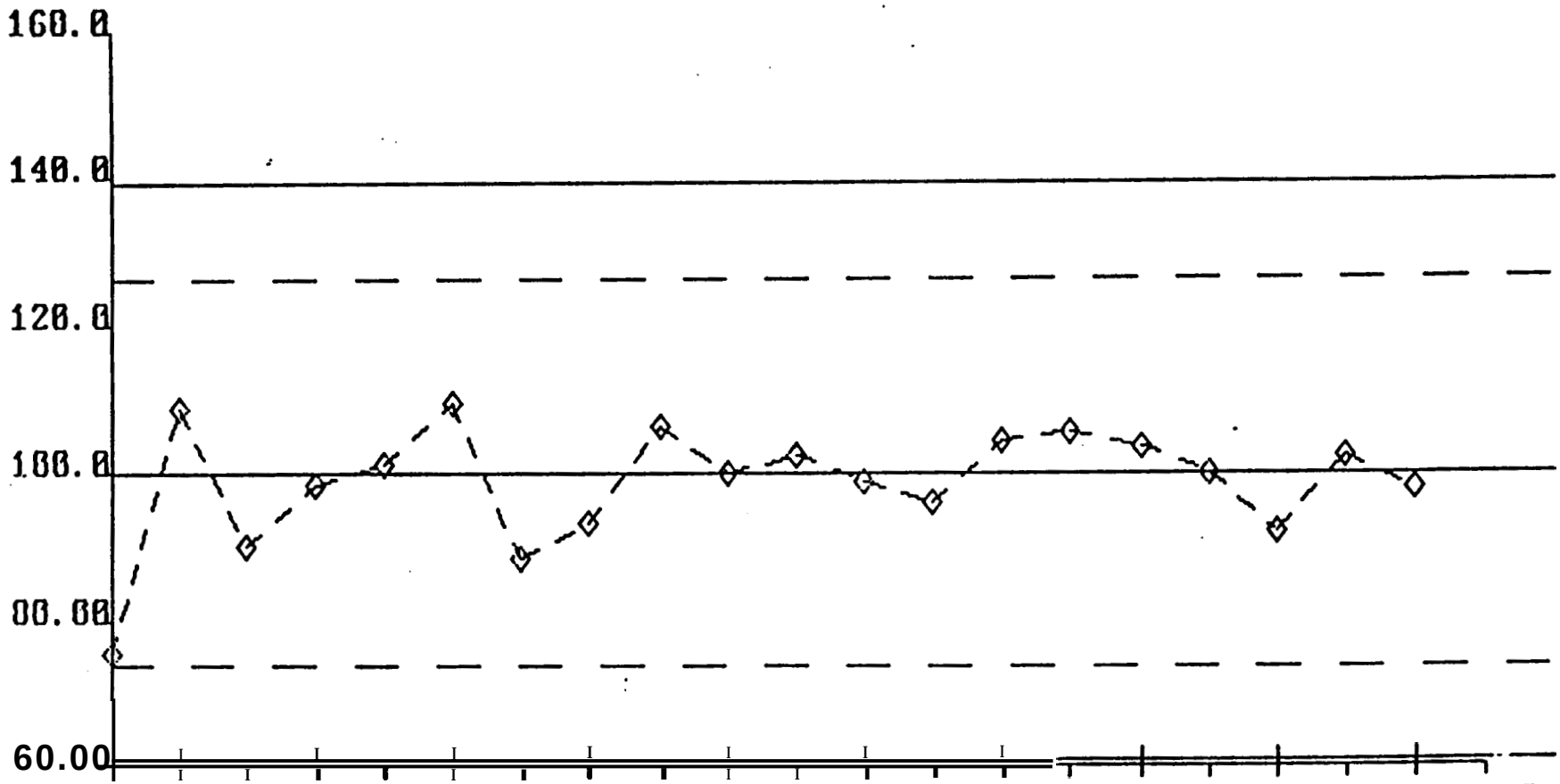
ATCH	SAMPLE	DATE	TARGET	RECOVERY	COMMENT
21231	G21231"SP"NONE"2	07/10/91	7.0	104.71	
21231	G21231"SP"NONE"1	07/10/91	7.0	127.53	ONE OF 2 STD MATRIX SPIKES HAD SLIGHTLY ELEVATED RECOVERY. ALL SAMPLE MA SPIKES WERE ACCEPTABLE.
21343	G21343"SP"NONE"2	07/10/91	7.0	99.715	
21343	c21343"SP"NONE"1	07/10/91	7.0	96.006	
22060	G22060"SP"NONE"1	07/10/91	6.7	90.361	
21415	G21415"SP"NONE"2	07/10/91	7.1	105.56	
21415	G21415"SP"NONE"1	07/10/91	7.0	99.057	
21407	G21407"SP"NONE"2	07/19/91	6.7	99.051	
21407	G21407"SP"NONE"1	07/19/91	6.7	105.01	
21443	G21443"SP2"NONE"1	07/21/91	6.7	09.419	
21443	G21443"SP1"NONE"1	07/21/91	6.7	89.419	
21556	c21556"SP"NONE"2	07/23/91	6.7	107.30	
21556	c21556"SP"NONE"1	07/23/91	6.7	104.32	
21990	G21990"SP"NONE"1	07/25/91	6.7	91.361	
24314	t24374"SP"NONE"1	11/13/91	b.7	92.399	
24374	G24374"SP"NONE"2	11/13/91	6.1	113.26	
24375	C24375"SP"NONE"1	11/13/91	9.0	01.564	
24375	G24375"SP"NONE"2	11/13/91	9.0	102.79	
24376	G24376"SP"NONE"1	11/14/91	9.0	90.503	
24376	C24376"SP"NONE"2	11/14/91	9.0	88.260	

U. LIMIT	L. LIMIT	U. W. LIMIT	L. W. LIMIT	AVG RCC	STD DEV RCC
124.9	75.1	116.6	03.4	100	8.3

LEGEND
. • UPPER
. • LOWER
. • WARNING
CC = RECOVERY

EPORTING OPTIONS
EPORT LAST N DATA POINTS (ENTER A NUMBER)
XCLUDE ZERO RECVS FROM STATISTICS
SE ACTIVE CONTROL LIMITS FROM STORET FILE
LOT QC CHART
UTO PRINT QC CHARTS TO PRINTER W/O Shift-PrtScrn

Standard Matrix Spike [SP] RADIUM 226,SED, PC/G-DRY 9507*R



Standard Matrix Spikes (SP) RADIUM 226,SED, PC/G-DRY 9507=R

ICH	SAMPLE	DATE	TARGET	RECOVERY	COMMENT
21578	G21578=SP=NONE=2	07/25/91	37	75.661	
21643	G21643=SP=NONE=2	07/29/91	37	100.34	
1643	G21643=SP=NONE=1	07/29/91	37	90.043	
21667	G21667=SP=NONE=2	07/30/91	38	98.403	
21667	G21667=SP=NONE=1	07/30/91	38	101.06	
21704	G21704=SP=NONE=2	07/31/91	37	109.34	
21704	G21704=SP=NONE=1	07/31/91	37	88.506	
21740	G21740=SP=NONE=2	08/01/91	38	93.317	
21740	G21740=SP=NONE=1	08/01/91	38	106.10	
21774	G21774=SP=NONE=2	08/02/91	37	100.000	
21816	G21816=SP=NONE=2	08/05/91	37	102.24	
21816	G21816=SP=NONE=1	08/05/91	37	98.516	
21994	G21994=SP2=NONE=1	08/13/91	37	95.764	
994	G21994=SP1=NONE=1	08/13/91	37	103.99	
24377	G24377=SP=NONE=1	11/12/91	4	105.43	
2437	G24377=SP=NONE=2	11/12/91	4	103.51	
24378	G24378=SP=NONE=1	11/12/91	4	100.000	
24378	G24378=SP=NONE=2	11/12/91	4	91.892	
24388	G24388=SP=NONE=1	11/14/91	4	102.32	
24388	G24388=SP=NONE=2	11/14/91	4	97.676	

U. LIMIT	L. LIMIT	U. W. LIMIT	L. W. LIMIT	AVG REC	STD DEV REC
139	61	126	74	100	13

LEGEND
. = UPPER
. = LOWER
. = WARNING
C = RECOVERY

PORTING OPTIONS
PORT LAST N DATA POINTS (ENTER A NUMBER)
CLUDE ZERO RECVS FROM STATISTICS
ACTIVE CONTROL LIMITS FROM STORET FILE
OT QC CHART
TO PRINT QC CHARTS TO PRINTER W/O SHIFTER t or n

270050

2A
WATER VOLATILE SURROGATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

Code: ESECO Case No.: ABB SAS No. : SDG No.: 4

	EPA SAMPLE NO.		S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLK26		97	95	104		0
21	ABW01		100	94	107		0
3	ABW02	RE	47 *	91	106		1
4	ABW09		108	101	113		0
5	ABW10	RE	76 *	97	110		1
6	ABW15	RE	47 *	95	109		1
71	ABW03	RE	51 *	92	107		1
81	ABW04		103	91	108		0
9	ABW05		99	92	110		0
10	ABW11		101	92	109		0
111	ABW12		104	91	107		0
12:	VBLK28		97	91	97		0
131	ABW13		106	100	106		0
14:	ABW06		103	98	104		0
151	ABW07		107	99	107		0
161	ABW14		109	101	110		0
17	ABW16		106	99	109		0
181	VBLK25		98	90	92		0
191	ABW02		116 *	98	93		1
201	ABW08		109	95	101		0
21	ABW10		91	79 *	89		1
221	ABW15		110	83 *	92		1
231	ABW03		124 *	87	92		1
24							
25							
26							
27							
28							
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30							

	QC LIMITS
S1 (TOL) = Toluene d-8	(88-110)
S2 (BFB) = Bromofluorobenzene	(86-115)
S3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1 1/87 Rev.

000043

2c
WATER SEMIVOLATILE SURROGATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No.: SDG No.: 1

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	SBLKAA	65	66	64	31	46	77		0
2	SBLKBB	58	60	59	26	37	60		0
3	ABW10	50	59	57	18	34	57		0
4	ABW14	57	65	59	26	42	59		0
5	ABW16	65	64	61	32	45	65		0
6	ABW12	70	81	91	26	51	58		0
7	ABW13	66	73	82	21	33	57		0
8	ABW08	95	92	99	48	65	89		0
9	ABW09	93	98	102	44	67	89		0
10	ABW11	80	83	89	32	48	50		0
11	ABW12 RE	69	82	92	25	42	51		0
12	ABW15	78	80	84	32	52	58		0
13									
14									
15									
16									
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28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl-d14	(33-141)
S4 (PHL)	= Phenol-d5	(10- 94)
S5 (2FP)	= 2-Tluorcphenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag *recovery* values

270051 • Values outside of contract required QC limits

D Surrogates diluted out

FORM II SV-1 1/87 Rev.

2B

SOIL VOLATILE SURROGATE RECOVERY

.abName: ESECO Contract: 68-W8-0054

Code: ESECO Case No.: ABB SAS No.: SDG No. :

evel:(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOTI OUT
1	VBLK21	94	98	101		0
2	ABS7	96	93	103		0
3	ABS15	100	95	106		0
4	ABS19	92	82	107		0
5	ABS22	94	95	106		0
6	ABS29	91	92	106		0
7	ABS30	91	92	108		0
8	ABS32	91	95	109		0
9	ABS33	96	89	108		0
10	VBLK22	102	94	105		0
11	ABS8	107	102	106		0
12	ABS28	102	96	107		0
13	ABS34	93	95	105		0
14	ABS35	113	107	105		0
15	ABS36	104	98	108		0
16	ABS37	108	95	107		0
17	ABS38	103	99	108		0
18	ABS39	111	97	108		0
19	ABS40	101	95	107		0
20	ABS42	105	97	107		0
21	ABS43	99	95	104		0
22	ABS44	104	96	108		0
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1 (TOL)	= Toluene d-8	(81-117)
S2 (BFB)	= Bromofluorobenzene	(74-121)
S3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

000043

SOIL VOLATILE SURROGATE RECOVERY

› Name: ESECO Contract: 68-W8-0054

› Code: ESECO Case No.: ABB SAS No. : SDG No.: 2

/el :(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLK24	95	99	93		0
2	ABS45	103	108	105		0
3	ABS46	103	103	106		0
4	ABS47	98	103	105		1 0 1
5	ABS48	105	105	109		1 0 :
6	ABS50	106	99	109		0
7	ABS51	97	106	103		0
8	ABS52	102	107	108		0
91	ABS53	104	102	103		0
10	ABS54	104	110	110		0
11	ABS55	100	94	106		0
12	ABS56	103	102	106		0
13:	ABS57	110	100	110		0
141	VBLK25	111	103	101		0
15	ABS21MS	99	94	100		0
16:	ABS21MSD	107	104	112		0
171	ABS31MS	107	96	106		0
18	ABS41MS	106	101	107		0
19	ABS41MSD	117	113	110		0
20:	ABS51MS	111	109	108		0
21:	ABS51MSD	112	109	116		0
22:	ABS49	112	98	112		0
231	ABS58	104	101	112		0
24	ABS59	106	95	109		0
25:	ABS60	104	100	109		0
26	ABS64	112	103	111		0
27	VBLK26	87	88	97		1 0 :
28	ABS31MSD	95	95	99		0
29	VBLK21	94	98	101		0
30	ABS21	95	97	104		0

		QC LIMITS
S1 (TOL)	= Toluene d-8	(81-117)
S2 (BFB)	= Eromofluorobenzene	(74-121)
S3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

270052

FORM TI VOA-2 1/87 Rev.

000051

2B

SOIL VOLATILE SURROGATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ode: ESECO Case No. : ABB SAS No.: SDC No.: 2

bvel: (low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	ABS31	93	96	104		0
2	VBLK22	102	94	105		0
3	ABS41	94	95	110		0
4						
5						
6						
7						
8						
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29						
30						

		QC LIMITS
S1 (TOL)	= Toluene d-8	(81-117)
S2 (BFB)	= Bromofluorobenzene	(74-121)
S3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

000052

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No. : SDG No. : 2

atrix Spike - EPA Sample No.: ABS21 Level :(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	53.	0.	64.	121	59-172
Trichloroethene	53.	0.	58.	110	62-137
Benzene	53.	0.	57.	108	66-142
Toluene	53.	0.	53.	101	59-139
Chlorobenzene	53.	0.	57.	108	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCZNTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53.	60.	114	6	22	59-172
Trichloroethene	53.	57.	109	1	34	62-137
Benzene	53.	55.	105	3	21	66-142
Toluene	53.	54.	102	2	21	59-139
Chlorobenzene	53.	59.	112	3	21	60-133

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

Values outside of QC limits

D: 0 out of 5 outside limits
ike Recovery: 0 out of 10 outside limits

MMENTS :

270053

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000052

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-WB-0054

ode: ESECO Case No.: ABB SAS No. : SDG No. : 2

atrix Spike - EPA Sample No.: ABS31 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	52.	0.	59.	112	59-172
Trichloroethene	52.	0.	60.	116	62-137
Benzene	52.	0.	54.	103	66-142
Toluene	52.	0.	55.	105	159-139
Chlorobenzene	52..	0.	59.	113	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	52.	58.	112	0	22	59-172
Trichloroethene	52.	57.	109	6	24	62-137
benzene	52.	56.	107	4	21	66-142
Toluene	52.	53.	102	3	21	59-139
Chlorobenzene	52.	58.	112	1	21	160-133

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

Values outside of QC limits

D: 0 out of 5 outside limits
ike Recovery: 0 out of 10 outside limits

MMENTS:

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000054

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No. : ABB SAS No.: SDG No.: 2

atrix Spike - EPA Sample No.: ABS41 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	54.	0.	60.	112	59-172
Trichloroethene	54.	0.	61.	113	62-137
Benzene	54.	0.	58.	107	166-142
Toluene	54.	0.	51.	95	59-139
Chlorobenzene	54.	0.	57.	106	160-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	54.	60.	111	1	22	59-172
Trichloroethene	54.	59.	109	4	24	162-1371
Benzene	54.	58.	108	1	21	66-142
Toluene	54.	59.	109	14	21	59-139
Chlorobenzene	54.	65.	121	13	21	60-133

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

Values outside of QC limits

PD: 0 out of 5 outside limits
pike Recovery: 0 out of 10 outside limits

OMMENTS :

270054

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3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No.: SDG No. : 2

atrix Spike - EPA Sample No.: ABSS. Level :(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	53.	0.	62.	117	59-172
Trichloroethene	53.	0.	60.	113	62-137
Benzene	53.	0.	58.	110	66-142
Toluene	53.	0.	55.	103	59-139
Chlorobenzene	53.	0.	57.	109	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53.	65.	123	5	22	59-172
Trichloroethene	53.	57.	107	5	24	62-137
Benzene	53.	57.	108	2	21	66-142
Toluene	53.	55.	103	0	21	59-139
Chlorobenzene	53.	57.	108	1	21	60-133

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

Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS :

FORM III VOA-2 1/87 Rev.

000056

2B

SOIL VOLATILE SURROGATE RECOVERY

Name: ESECO Contract: 68-W8-0054

Code: ESECO Case No.: ABB SAS No.: SDG No.: 3

vel: (low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLK26	87	88	97		0
2	ABS65	98	98	100		1 0
3	ABS61	95	97	96		0
4	ABS61MS	95	97	102		1 0 1
5	ABS61MSD	101	95	100		0
6	ABS62	105	95	105		0
7	ABS66	97	94	105		0
8	ABS67	96	97	98		0
9	ABS68	97	99	103		0
10	ABS70	94	102	102		0
11	ABS71	92	94	108		0
12	ABS71MS	99	96	104		0
13	ABS71MSD	103	106	107		0
14	VBLK28	92	91	91		1 0
15	ABS72	108	103	107		0
16	ABS62 RE	103	98	109		0
17	ABS73	99	90	105		0
18	ABS74	100	94	103		0
19	ABS75	94	97	108		0
20	ABS76	97	96	105		0
21	ABS77	99	97	112		0
22	ABS78	100	98	107		0
23	ABS79	106	100	109		0
24	ABS80	103	100	109		0
25	ABS81	104	101	108		0
26	ABS81MS	99	92	105		0
27	ABS81MSD	99	95	107		0
28	VBLK29	87	82	88		0
29	ABS82	96	91	94		0
30						

		QC LIMITS
S1 (TOL)	= Toluene h-8	(81-117)
S2 (BFB)	= Bromofluorobenzene	(74-121)
S3 (DCE)	= 1,2-Dichlcroethane-d4	(70-121)

Column to be used to flag recovery values

270055 • Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

000042

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

a Code: ESECO Case No. : ABB SAS No. : SDG No.: 3

atrix Spike - EPA Sample No.: ABS61 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	63.	0.	71.	112	59-172
Trichloroethene	63.	0.	73.	116	62-137
Benzene	63.	0.	67.	107	66-142
Toluene	63.	0.	66.	104	59-139
Chlorobenzene	63.	0.	69.	110	160-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	63.	69.	110	2	22	59-172
Trichloroethene	63.	74.	116	0	24	62-137
Benzene	63.	66.	104	3	21	166-1421
Toluene	63.	64.	101	3	21	59-139
Chlorobenzene	63.	69.	109	0	21	60-133

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

'Values outside of QC limits

PD: 0 out of 5 outside limits
pike Recovery: 0 out of 10 outside limits

OMMENTS :

FORM III VOA-2 1/87 Rev.

000043

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE'DUPLICATE RECOVERY

ɔ Name: ESECO Contract: 68-W8-0054

ɔ Code: ESECO Case No.: ABB SAS No.: SDG No.: 3

trix Spike - EPA Sample No.: ABS71 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	54.	0.	58.	108	59-172
Trichloroethene	54.	0.	68.	126	162-1371
Benzene	54.	0.	60.	112	66-142
Toluene	54.	0.	54.	100	59-139
Chlorobenzene	54.	0.	55.	103	160-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	54.	62.	115	6	22	59-172
Trfchloroethene	54.	65.	120	5	24	62-137
Benzene	54.	57.	106	6	21	66-142
Toluene	54.	57.	106	6	21	59-139
Chlorobenzene	54.	63.	117	12	21	60-133

Column to be use2 to flag recovery and RPD values with an asterisk

Values outside of QC limits

ɔD: 0 out of 5 outside limits
ɔike Recovery: 0 out of 10 outside limits

ɔMMENTS :

270050

FORM III VOA-2 1/87 Rev.

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

b Name: ESECO Contract: 68-W8-0054

! de: ESECO Case No.: ABB SAS No. : SDG No. : 3

trix Spike - EPA Sample No.: ABS81 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	52.	0.	58.	111	59-172
Trichloroethene	52.	0.	58.	111	62-137
Benzene	52.	0.	55.	105	66-142
Toluene	52.	0.	49.	93	59-139
Chlorobenzene	52.	0.	55.	104	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	52.	59.	112	1	22	59-172
Trichloroethene	52.	56.	106	4	24	62-137
Benzene	52.	52.	99	6	21	66-142
Toluene	52.	50.	95	2	21	59-139
Chlorobenzene	52.	52.	100	4	21	60-133

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

Values outside of QC limits

PD: 0 out of 5 outside limits
pike Recovery: 0 out of 10 outside limits

OMMENTS:

FORM III VOA-2 1/87 Rev.

000045

SOIL SEMIVOLATILE SURROGATE RECOVERY

ɔ Name: ESECO Contract: 68-W8-0054

b Code: ESECO Case No.: ABB SAS No.: SDG No.: 2

vel:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	SBLKAA	111	131 *	134	115 *	110	81		2
2	SBLKAA RE	115	128 *	131	118 *	106	94		2
3	ABS70	65	70	80	77	65	66		0
41	ABS71	69	78	80	72	64	51		0
51	ABS72	86	89	94	83	74	55		0
6	ABS73	57	66	69	63	59	46		0
7	ABS74	85	86	94	81	77	57		0
8	ABS75	76	92	73	73	62	61		0
9	ABS76	73	96	74	67	55	42		0
10	ABS77	70	81	69	69	57	59		0
11	ABS78	73	90	70	68	61	59		0
12	ABS79	66	76	67	64	57	55		0
13	ABS80	63	78	67	58	51	54		0
14	ABS81	44	65	59	48	41	53		0
15	ABS82	72	82	69	69	57	61		0
16	ABS71MS	64	76	75	63	62	64		0
17	ABS71MSD	73	76	73	61	64	63		0
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene45	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
SS (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

270057

Column to be used to flag recovery values

* Vaiues outside of contract required QC limits

D Surrogates diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ame: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No.: SDG No. : 2

atrix Spike - EPA Sample No.: ABS71 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	14323.	0.	8098.	57	26- 90
2-Chlorophenol	14323.	0.	9825.	69	25-102
1,4-Dichlorobenzene	7161.	0.	4152.	58	28-104
N-Nitroso-di-n-prop.(1)	7161.	0.	4549.	64	41-126
1,2,4-Trichlorobenzene	7161.	0.	5067.	71	38-107
4-Chloro-3-methylphenol	14323.	0.	11789.	82	26-103
Acenaphthene	7161.	0.	5711.	80	131-1371
4-Nitrophenol	14323.	0.	2398.	17	11-114
2,4-Dinitrotoluene	7161.	0.	5644.	79	128- 89
Pentachlorophenol	14323.	0.	7608.	53	17-109
Pyrene	7161.	0.	3597.	50	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC %	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	14308.	9056.	63	11	35	126- 901
2-Chlorcphenol	14308.	9378.	66	5	50	125-1021
1,4-Dichlorobenzene	7154.	4124.	58	1	27	28-104
N-Nitroso-di-n-prop.(1)	7154.	4270.	60	6	58	41-126
1,2,4-Trichlorobenzene	7154.	5348.	75	5	23	38-107
4-Chloro-3-methylphenol	14308.	11031.	77	7	33	126-1031
Acenaphthene	7154.	5241.	73	8	19	31-137
4-Nitrophenol	14308.	4940.	35	69 *	50	11-114
2,4-Dinitrotoluene	7154.	4995.	70	12	47	28- 89
Pentachlorophenol	14308.	6490.	45	16	47	17-109
fyrene	7154.	3486.	49	3	36	35-142

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

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

.Values outside of QC limits

PD: 1 out of 11 outside limits
pike Recovery: 0 out of 22 octside limits

ENTS:

2D

SOIL SEHIVOLATILE SURROGATE RECOVERY

ɔ Name: ESECO Contract: 68-W8-0054

ɔ Code: ESECO Case No.: ABB SAS No.: SDG No.: 3

vel :(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	SBLKAA	65	60	45	77	48	54		0
2	ABS61	69	62	47	67	57	55		0
3	ABS66	51	48	37	52	39	40		0
4	ABS62	59	56	53	69	49	52		0
5	ABS67	52	51	51	51	34	30		0
6	ABS68	60	58	55	59	39	34		0
7	ABS07	45	44	45	50	39	43		0
8	ABS61MS	69	67	65	64	64	69		0
9	ABS61MSD	68	60	53	54	53	58		0
10	SBLKBB	68	63	66	71	59	72		0
11	ABS46	94	88	90	97	77	89		0
12	ABS47	65	61	64	69	57	59		10
13	ABS07 RE	44	47	45	50	39	45		0
14	ABS48	91	91	95	98	86	104		0
15	ABS49	71	69	70	74	60	77		0
16	ABS50	61	61	68	66	56	64		0
17	ABS51	70	75	79	74	61	75		0
18	ABS52	76	79	83	77	65	80		0
19	ABS53	83	84	85	89	72	80		0
20	ABS54	66	75	80	71	58	66		0
21	ABS55	91	93	99	93	71	78		0
22	ABS56	52	58	61	54	42	49		0
23	ABS57	54	56	68	55	47	52		0
24	ABS58	81	83	85	34	65	68		0
25	ABS59	74	74	78	76	60	64		0
26	ABS51MS	75	67	80	62	63	66		0
27	ABS51MSD	58	66	71	59	53	66		0
28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

270058

Column to be used to flag recovery values

• Values outside of contract required QC limits

D Surrogates diluted out

re 1 of 1

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000075

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ESECO Contract: 68-W8-0054

Lab Code: ESECO Case No.: ABB SAS No. : SDG No. : 3

Matrix Spike - EPA Sample No.: NABS1A51 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	14098.	0.	7634.	54	126- 901
2-Chlorophenol	14098.	0.	7277.	52	25-102
1,4-Dichlorobenzene	7049.	0.	3693.	52	28-104
N-Nitroso-di-n-prop.(1)	7049.	0.	4856.	69	141-1261
1,2,4-Trichlorobenzene	7049.	0.	4399.	62	38-107
4-Chloro-3-methylphenol	14098.	0.	8387.	59	126-103
Acenaphthene	7049.	0.	4421.	63	131-1371
4-Nitrophenol	14098.	0.	11232.	80	111-1141
2,4-Dinitrotoluene	7049.	0.	6032.	86	128- 891
Pentachlorophenol	14098.	0.	7223.	51	17-109
Pyrene	7049.	0.	3953.	56	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	14084.	7805.	55	2	35	126- 90
2-Chlorophenol	14084.	7240.	51	0	50	25-102
1,4-Dichlorobenzene	7042.	2986.	42	21	27	28-104
N-Nitroso-di-n-prop.(1)	7042.	4483.	64	8	38	41-126
1,2,4-Trichlorobenzene	7042.	3704.	53	17	23	38-107
4-Chloro-3-methylphenol	14084.	7889.	56	6	33	26-103
Acenaphthene	7042.	4757.	68	7	19	31-137
4-Nitrophenol	14084.	10412.	74	7	50	11-114
2,4-Dinitrotoluene	7042.	5611.	80	7	47	28- 89
Pentachlorophenol	14084.	7016.	50	3	47	17-109
Pyrene	7042.	3749.	53	S	36	135-1421

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

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

* Values outside of QC limits

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

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ıb Name: ESECO Contract: 68-W8-0054

ıb Code: ESECO Case No.: ABB SAS No. : SDG No.: 3

ıtrix Spike - EPA Sample No.: NABS1A61 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	16901.	0.	10378.	61	26- 90
2-Chlorophenol	16901.	0.	9574.	57	125-1021
1,4-Dichlorobenzene	8450.	0.	4339.	51	28-104
N-Nitroso-di-n-prop.(1)	8450.	0.	5201.	62	41-126
1,2,4-Trichlorobenzene	8450.	0.	5201.	62	338-1071
4-Chloro-3-methylphenol	16901.	0.	10647.	63	26-103
Acenaphthene	8450.	0.	5716.	68	31-137
4-Nitrophenol	16901.	0.	7123.	42	11-114
2,4-Dinitrotoluene	8450.	0.	6841.	81	28- 89
Pentachlorophenol	16901.	0.	8269.	49	17-109
Pyrene	8450.	0.	4753.	56	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	16895.	8270.	49	23	35	26- 90
2-Chlorophenol	16895.	7624.	45	23	50	25-102
1,4-Dichlorobenzene	8448.	3027.	36	36 *	27	28-104
N-Nitrcso-di-n-prop.(1)	8448.	4506.	53	14	38	41-126
1,2,4-Trichlorobenzene	8448.	4203.	50	21	23	38-107
4-Chloro-3-methylphenol	16895.	8885.	53	18	33	26-103
Acenaphthene	8448.	4583.	54	22 *	19	31-137
4-Nitrophenol	16895.	5525.	33	25	50	11-114
2,4-Dinitrotoluene	8448.	6025.	71	13	47	28- 89
Pentachlorophenol	16895.	6736.	40	20	47	17-109
Pyrene	8448.	3575.	42	28	36	35-142

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

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

270059

* Values outside of QC limits

RPD: 2 out of 11 outside limits
Spike Recovery: 0 out cf 22 outside limits

COMMENTS:

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ESECO Contract: 68-W8-0054

Lab Code: ESECO Case No. : ABB SAS No. : SDG No.: 4

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	ABS37	97	94	98	100	75	89		0
2	ABS38	75	72	71	78	64	66		0
3	ABS39	72	72	71	76	69	71		0
4	ABS40	72	75	73	76	67	69		0
5	ABS41	66	61	66	70	60	62		0
6	ABS34 RE	105	98	93	102	81	96		0
7	ABS31MSDRE	92	77	77	50	69	79		0
8	SBLKAA RE	89	78	67	93	69	76		0
9	SBLKAA	70	76	65	60	61	66		0
10	ABS29	41	54	50	37	40	33		0
11	ABS30	81	104	87	78	69	67		0
12	ABS31	50	71	59	47	52	51		0
13	ABS32	61	72	58	54	53	58		0
14	ABS33	80	97	83	75	76	74		0
15	ABS34	311 *	276 *	245 *	309 *	221 *	511 *		6
16	ABS35	65	80	72	60	60	79		0
17	ABS36	57	78	62	50	53	60		0
18	ABS42	61	74	69	63	63	67		0
19	ABS43	53	61	57	51	53	54		0
20	ABS44	47	58	50	46	49	45		0
21	ABS45	46	59	51	48	49	40		0
22	ABS31MS	52	58	53	48	48	50		0
23	ABS31MSD	52	62	271 *	52	49	22		1
24	ABS41MS	61	71	68	59	65	79		0
25	ABS41MSD	40	51	51	41	45	50		0
26									
27									
28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No. : SDG No. : 4

atrix Spike - EPA Sample No.: ABS31 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	13898.	0.	5604.	40	126- 901
2-Chlorophenol	13898.	0.	5662.	41	25-102
1,4-Dichlorobenzene	6949.	0.	2340.	34	28-104
N-Nitroso-di-n-prop.(1)	6949.	0.	3393.	49	141-1261
1,2,4-Trichlorobenzene	6949.	0.	3694.	53	38-107
4-Chloro-3-methylphenol	13898.	0.	6900.	50	26-103
Acenaphthene	6949.	0.	3433.	49	31-137
4-Nitrophenol	13898.	0.	7064.	51	11-114
2,4-Dinitrotoluene	6949.	0.	3950.	57	28- 89
Pentachlorophenol	13898.	0.	5279.	38	17-109
Pyrene	6949.	0.	2486.	36	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	13874.	6422.	46	14	35	126- 90
2-Chlorophenol	13874.	6323.	46	11	50	125-1021
1,4-Dichlorobenzene	6937.	2515.	36	7	27	28-104
N-Nitroso-di-n-prop.(1)	6937.	3610.	52	6	38	41-126
1,2,4-Trichlorobenzene	6937.	3687.	53	0	23	138-1071
4-Chloro-3-methylphenol	13874.	7313.	53	6	33	26-103
Acenaphthene	6937.	4305.	62	23 *	19	131-1371
4-Nitrophenol	13874.	2213.	16	104 *	S0	111-1141
2,4-Dinitrotoluene	6937.	1759.	25 *	77 *	47	28- 89
Pentachlorophenol	13874.	2715.	20	64 *	47	17-109
Pyrene	6937.	12873.	186 *	135 *	36	35-142

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

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

Values outside of QC limits

RPD: 5 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

270060

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3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: ESECO Contract: 68-W8-0054

Lab Code: ESECO Case No.: ABB SAS No. : SDG No.: 4

Matrix Spike - EPA Sample No. : ABS41 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	14317.	0.	7973.	56	126- 90
2-Chlorophenol	14317.	0.	8335.	58	125-1021
1,4-Dichlorobenzene	7158.	0.	3163.	44	28-104
N-Nitroso-di-n-prop.(1)	7158.	0.	4715.	66	41-126
1,2,4-Trichlorobenzene	7158.	0.	4580.	64	38-107
4-Chloro-3-methylphenol	14317.	0.	9434.	66	126-1031
Acenaphthene	7158.	0.	4490.	63	31-137
4-Nitrophenol	14317.	0.	11086.	77	111-1141
2,4-Dinitrotoluene	7158.	0.	5033.	70	128- 891
Pentachlorophenol	14317.	0.	7332.	51	17-109
Pyrene	7158.	0.	3278.	46	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	14298.	5896.	41	30	35	26- 901
2-Chlorophenol	14298.	6324.	44	27	50	125-1021
1,4-Dichlorobenzene	7149.	2749.	38	14	27	28-104
N-Nitroso-di-n-prop.(1)	7149.	3110.	44	41 *	38	41-126
1,2,4-Trichlorobenzene	7149.	3107.	43	38 *	23	38-107
4-Chloro-3-methylphenol	14298.	6524.	46	36 *	33	26-103
Acenaphthene	7149.	3459.	48	26 *	19	31-137
4-Nitrophenol	14298.	6142.	43	57 *	50	11-114
2,4-Dinitrotoluene	7149.	3622.	51	32	47	28- 89
Pentachlorophenol	14298.	4998.	35	38	47	17-109
Pyrene	7149.	2553.	36	25	36	35-142

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

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

* Values outside of QC limits

RPD: 5 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

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2D

SOIL SEHIVOLATILE SURROGATE RECOVERY

b Name: ESECO Contract: 68-W8-0054

b Code: ESECO Case No.: ABB SAS No.: SDG No.: 5

vel:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	SBLKAA	61	74	71	61	66	55		0
21	ABS08	72	83	73	73	73	57		0
31	ABS15	49	57	57	47	46	35		0
4	ABS19	65	72	68	62	66	65		0
5	ABS21	179 *	179 *	180 *	157 *	136 *	228 *		6
6	ABS22	0 *	1 *	0 *	0 *	0 *	0 *		6
71	ABS28	140 *	148 *	152 *	123 *	131 *	178 *		6
81	ABS60	70	76	81	74	78	78		0
9	ABS64	93	119 *	115	89	92	109		1
101	ABS65	80	91	89	73	76	68		0
111	ABS21MS	57	61	68	55	64	64		0
121	ABS21MSD	68	69	74	60	64	75		0
131	ABS28MS	55	55	57	63	56	53		0
14	ABS28MSD	65	71	68	80	74	63		0
15	ABS21 RE	120	109	96	114	94	114		1
161	ABS22 RE	92	80	79	92	70	69		0
17	ABS28MSDRE	107	85	80	88	81	77		0
181	ABS28 RE	130 *	130 *	93	135	99	105		3
191	SBLKM RE	89	78	67	93	69	76		1 0
201	ABS64 RE	88	79	70	87	68	82		0
211	ABS28MS RE	102	91	85	83	80	91		0
221	ABS21MS RE	102	86	74	82	77	86		0
231	ABS21MSDRE	78	71	65	67	61	72		0
241	ABS19 DL	51	74	78	69	53	33		0
251									
26									
27									
28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

270061

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

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000061

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: ESECO Contract: 68-W8-0054

ab Code: ESECO Case No.: ABB SAS No.: SDG No.: 5

atrix Spike - EPA Sample No.: ABS21 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	14044.	0.	10709.	76	126- 901
2-Chlorophenol	14044.	0.	9671.	69	25-102
1,4-Dichlorobenzene	7022.	0.	4759.	68	28-104
N-Nitroso-di-n-prop.(1)	7022.	0.	6091.	87	141-1261
1,2,4-Trichlorobenzene	7022.	0.	5386.	77	38-107
4-Chloro-3-methylphenol	14044.	0.	10379.	74	126-1031
Acenaphthene	7022.	0.	5960.	85	131-1371
4-Nitrophenol	14044.	0.	14529.	103	111-1141
2,4-Dinitrotoluene	7022.	0.	5360.	76	28- 89:
Pentachlorophenol	14044.	0.	10356.	74	17-109
Pyrene	7022.	0.	3434.	49	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	14034.	8298.	59	25	35	126- 90
2-Chlorophenol	14034.	7789.	56	21	S0	25-102
1,4-Dichlorobenzene	7017.	4084.	58	15	27	128-1041
N-Nitroso-di-n-prop.(1)	7017.	4279.	61	35	38	141-1261
1,2,4-Trichlorobenzene	7017.	4536.	65	17	23	38-107
4-Chloro-3-methylphenol	14034.	8025.	57	26	35	26-103
Acenaphthene	7017.	5003.	71	17	19	131-1371
4-Nitrophenol	14034.	10888.	78	29	50	111-1141
2,4-Dinitrotoluene	7017.	4213.	60	24	47	28- 891
Pentachlorophenol	14034.	8081.	58	25	47	117-1091
Pyrene	7017.	3220.	46	6	36	35-142

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

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

Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

SD

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

b Name: ESECO Contract: 68-W8-0054

b Code: ESECO Case No.: ABB SAS No. : SDG No.: 5

.trix Spike - €PA Sample No.: ABS28 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	13798.	0.	10427.	76	126- 901
2-Chlorophenol	13798.	0.	10245.	74	25-102
1,4-Dichlorobenzene	6899.	0.	5028.	73	28-104
N-Nitroso-di-n-prop.(1)	6899.	0.	5615.	81	41-126
1,2,4-Trichlorobenzene	6899.	0.	5483.	79	38-107
4-Chloro-3-methylphenol	13798.	0.	9688.	70	26-103
Accnaphthene	6899.	0.	5815.	84	31-137
4-Nitrophenol	13798.	0.	12663.	92	111-114
2,4-Dinitrotoluene	6899.	0.	5079.	74	128- 89
Pentachlorophenol	13798.	0.	7762.	56	17-109
Pyrene	6899.	0.	3953.	57	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	13803.	10942.	79	5	35	126- 90
2-Chlorophenol	13803.	10004.	72	2	50	25-102
1,4-Dichlorobenzene	6901.	5443.	79	8	27	28-104
N-Nitroso-di-n-prop.(1)	6901.	6150.	89	9	38	41-126
1,2,4-Trichlorobenzene	6901.	5948.	86	8	23	38-107
4-Chloro-3-methylphenol	13803.	10083.	73	4	33	26-103
Acenaphthene	6901.	5650.	82	3	19	31-137
4-Nitrophenol	13803.	13232.	96	4	50	Ill-114
2,4-Dinitrotoluene	6901.	5215.	76	3	47	28- 891
Pentachlorophenol	13803.	7720.	56	1	47	17-109
Pyrene	6901.	3936.	57	0	36	35-142

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

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

Values outside of QC limits

?D: 0 out of 11 outside limits
ɔike Re:covery: 0 uut of 22 outside limits

OMMENTS :

270062

FORM III SV-2 1/87 Rev,

000063

Appendix C

ANALYTICAL RESULTS FOR TRIP BLANKS, EQUIPMENT BLANKS, FIELD BLANKS, AND METHOD BLANKS

NOTE: 1. Re-runs of method blanks, MSs, and MSDs are not reported unless a problem was reported in the case narrative.

2. Samples ABW02, ABW03, ABW10, and ABW15 were re-analyzed because surrogate recoveries were out of control. The re-runs had the same results as the original runs; therefore, these re-runs are not reported here. The laboratory concluded that there was a problem with the matrix. The reported results are suspect

3. Glossary - BDL below detection limit

EXPLANATION OF DATA QUALIFIERS

B Notation - Compound was detected in an associated blank as well as in the sample; therefore, it is possible that the compound was introduced into the sample during sample collection or laboratory preparation and cannot be verified to be present in the sample.

J Notation - Compound detected at a concentration below the quantitation limit. The concentration reported is subject to significant error. These values should be considered qualitative.

D Notation - A secondary dilution factor was used before the analysis was conducted. Used in situations where a compound was detected at a value greater than the linear range of the instrument.

E Notation - Concentration of compound exceeds the linear range (upper quantitation limit) of the instrument, The concentration reported is subject to error and should be considered qualitative.

270064

Sample ID	ABW01		ABW02		ABW03		ABW04		ABW05	
Type	Trip blank		Trip blank		Trip blank		Trip blank		Trip blank	
Date shipped	10/15/91		10/15/91		10/16/91		10/16/91		10/16/91	
Date analyzed	10/26/91		10/25/91		10/25/91		10/26/91		10/26/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW01		ABW02		ABW03		ABW04		ABW05	
Type	Trip blank		Trip blank		Trip blank		Trip blank		Trip blank	
Date shipped	10/15/91		10/15/91		10/16/91		10/16/91		10/16/91	
Date analyzed	10/26/91		10/25/91		10/25/91		10/26/91		10/26/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Carbon tetrachloride	BDL	≤.	BDL	≤.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	≤.	BD	5.	BDL	≤.	BDL	≤.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	≤.	BDL	5.	BDL	≤.	BDL	≤.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	≤.	BDL	5.	BDL	≤.	BDL	≤.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW01		ABW02		ABW03		ABW04		ABW05	
Type	Trip blank		Trip blank		Trip blank		Trip blank		Trip blank	
Date shipped	10/15/91		10/15/91		10/16/91		10/16/91		10/16/91	
Date analyzed	10/26/91		10/25/91		10/25/91		10/26/91		10/26/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270093

Sample ID	ABW06		ABW07		ABW08		ABW09		ABW10	
Type	Trip blank		Trip blank		Equipment blank		Equipment blank		Equipment blank	
Date shipped	10/17/91		10/17/91		10/15/91		10/15/91		10/15/91	
Date analyzed	10/28/91		10/28/91		10/25/91		10/26/91		10/25/91	
[illegible]	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	13.		BDL	10.	BDL	10.	BDL	10.	BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW06		ABW07		ABW08		ABW09		ABW10	
Type	Trip blank		Trip blank		Equipment blank		Equipment blank		Equipment blank	
Date shipped	10/17/91		10/17/91		10/15/91		10/15/91		10/15/91	
Date analyzed	10/28/91		10/28/91		10/25/91		10/26/91		10/25/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2700067

Sample ID	ABW06		ABW07		ABW08		ABW09		ABW10	
Type	Trip blank		Trip blank		Equipment blank		Equipment blank		Equipment blank	
Date shipped	10/17/91		10/17/91		10/15/91		10/15/91		10/15/91	
Date analyzed	10/28/91		10/28/91		10/25/91		10/26/91		10/25/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW11		ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank		Field blank	
Date shipped	10/16/91		10/16/91		10/16/91		10/17/91		10/15/91	
Date analyzed	10/26/91		10/26/91		10/28/91		10/28/91		10/25/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	9.B		BDL	5.	BDL	5.	BDL	5.
Acetone	BDL	10.	BDL	10.	20.		11.		BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	11.	
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270063

Sample ID	ABW11		ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank		Field blank	
Date shipped	10/16/91		10/16/91		10/16/91		10/17/91		10/15/91	
Date analyzed	10/26/91		10/26/91		10/28/91		10/28/91		10/25/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	8.	
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW11		ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank		Field blank	
Date shipped	10/16/91		10/16/91		10/16/91		10/17/91		10/15/91	
Date analyzed	10/26/91		10/26/91		10/28/91		10/28/91		10/25/91	
SDG number	4		4		4		4		4	
Matrix	Water		Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2700039

Sample ID	ABW16		VBLK25		VBLK26		VBLK28	
Type	Field blank		Method blank		Method blank		Method blank	
Date shipped	10/17/91		00/00/00		00/00/00		00/00/00	
Date analyzed	10/28/91		10/25/91		10/26/91		10/28/91	
SDG number	4		4		4		4	
Matrix	Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	9.		BDL	5.
Acetone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW16		VBLK25		VBLK26		VBLK28	
Type	Field blank		Method blank		Method blank		Method blank	
Date shipped	10/17/91		00/00/00		00/00/00		00/00/00	
Date analyzed	10/28/91		10/25/91		10/26/91		10/28/91	
SDG number	4		4		4		4	
Matrix	Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW16		VBLK25		VBLK26		VBLK28	
Type	Field blank		Method blank		Method blank		Method blank	
Date shipped	10/17/91		00/00/00		00/00/00		00/00/00	
Date analyzed	10/28/91		10/25/91		10/26/91		10/28/91	
SDG number	4		4		4		4	
Matrix	Water		Water		Water		Water	
Volatile compound (EPA Method 624)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	10J	5.	BDL	5.
Xylenes (total)	10J	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABW08		ABW09		ABW10		ABW11	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank	
Date Shipped	10/15/91		10/15/91		10/15/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	11/01/91		11/01/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Phenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroethoxy)methane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-chlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,3-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,4-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzyl alcohol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,2-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
N-nitroso-di-n-propylamine	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Nitrobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.

270071

Sample ID	ABW08		ABW09		ABW10		ABW11	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank	
Date Shipped	10/15/91		10/15/91		10/15/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	11/01/91		11/01/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Isophorone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-nitrophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dimethylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzoic acid	BDL	50.	BDL	50.	BDL	50.	BDL	50.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dichlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,2,4-trichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Naphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-chloroaniline	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorobutadiene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-chloro-3-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-methylnaphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorocyclopentadiene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4,6-trichlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW08		ABW09		ABW10		ABW11	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank	
Date Shipped	10/15/91		10/15/91		10/15/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	11/01/91		11/01/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
2,4,5-trichlorophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
2-chloronaphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Dimethylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Acenaphthylene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,6-dinitrotoluene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
3-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Acenaphthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dinitrophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
4-nitrophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Dibenzofuran	BDL	10.	BDI	10.	BDL	10.	[illegible]	10.
2,4-dinitrotoluene	BDL	10.	BI	10.	[illegible]	1[illegible]	BDL	13.
Diethylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
hlor[illegible]	BDL	10.	BDL	10.	[illegible]	10.	BDI	10

270072

Sample ID	ABW08		ABW09		ABW10		ABW11	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank	
Date Shipped	10/15/91		10/15/91		10/15/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	11/01/91		11/01/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Fluorene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
4,6-dinitro-2-methylphenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
N-nitrosodiphenylamine	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-bromophenyl-phenylether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Pentachlorophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Phenanthrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Di-n-butylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Butylbenzylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
3,3-dichlorobenzidine	BDL	20.	BDL	20.	BDL	20.	BDL	20.

Sample ID	ABW08		ABW09		ABW10		ABW11	
Type	Equipment blank		Equipment blank		Equipment blank		Equipment blank	
Date Shipped	10/15/91		10/15/91		10/15/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	11/01/91		11/01/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Benzo(a)anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chrysene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-ethylhexyl)phthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Di-n-octylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(b)fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(k)fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(a)pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Indeno(1,2,3-c,d)pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Dibenz(a,h)anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(g,h,i)perylene	BDL	10.	BDL	10.	BDL	10.	BDL	10.

270043

Sample ID	ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Field blank	
Date Shipped	10/16/91		10/16/91		10/17/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	10/25/91		10/25/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Phenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroethoxy)methane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-chlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,3-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,4-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzyl alcohol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,2-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
N-nitroso-di-n-propylamine	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Nitrobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Isophorone	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Field blank	
Date Shipped	10/16/91		10/16/91		10/17/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	10/25/91		10/25/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
2-nitrophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dimethylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzoic acid	BDL	50.	BDL	50.	BDL	50.	BDL	50.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dichlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,2,4-trichlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Naphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-chloroaniline	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorobutadiene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-chloro-3-methylphenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-methylnaphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorocyclopentadiene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4,6-trichlorophenol	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4,5-trichlorophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.

270074

Sample ID	ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Field blank	
Date Shipped	10/16/91		10/16/91		10/17/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	10/25/91		10/25/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
2-chloronaphthalene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Dimethylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Acenaphthylene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,6-dinitrotoluene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
3-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Acenaphthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dinitrophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
4-nitrophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Dibenzofuran	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2,4-dinitrotoluene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Diethylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-chlorophenol-phenylether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Fluorene	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Field blank	
Date Shipped	10/16/91		10/16/91		10/17/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	10/25/91		10/25/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
4-nitroaniline	BDL	50.	BDL	50.	BDL	50.	BDL	50.
4,6-dinitro-2-methylphenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
N-nitrosodiphenylamine	BDL	10.	BDL	10.	BDL	10.	BDL	10.
4-bromophenyl-phenylether	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Hexachlorobenzene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Pentachlorophenol	BDL	50.	BDL	50.	BDL	50.	BDL	50.
Phenanthrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Di-n-butylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Butylbenzylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
3,3-dichlorobenzidine	BDL	20.	BDL	20.	BDL	20.	BDL	20.
Benzo(a)anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.

270073

Sample ID	ABW12		ABW13		ABW14		ABW15	
Type	Equipment blank		Equipment blank		Equipment blank		Field blank	
Date Shipped	10/16/91		10/16/91		10/17/91		10/16/91	
Date extracted	10/21/91		10/21/91		10/22/91		10/21/91	
Date analyzed	10/25/91		10/25/91		10/23/91		11/01/91	
SDG number	1		1		1		1	
Matrix	Water		Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chrysene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
bis(2-ethylhexyl)phthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Di-n-octylphthalate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(b)fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(k)fluoranthene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(a)pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Indeno(1,2,3-c,d)pyrene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Dibenz(a,h)anthracene	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Benzo(g,h,i)perylene	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW16		SBLKAA		SBLKBB	
Type	Field blank		Method blank		Method blank	
Date Shipped	10/17/91		00/00/00		00/00/00	
Date extracted	10/22/91		10/22/91		10/21/91	
Date analyzed	10/24/91		10/23/91		10/23/91	
SDG number	1		1		1	
Matrix	Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Phenol	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroethoxy)methane	BDL	10.	BDL	10.	BDL	10.
2-chlorophenol	BDL	10.	BDL	10.	BDL	10.
1,3-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.
1,4-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.
Benzyl alcohol	BDL	10.	BDL	10.	BDL	10.
1,2-dichlorobenzene	BDL	10.	BDL	10.	BDL	10.
2-methylphenol	BDL	10.	BDL	10.	BDL	10.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.
4-methylphenol	BDL	10.	BDL	10.	BDL	10.
N-nitroso-di-n-propylamine	BDL	10.	BDL	10.	BDL	10.
Hexachloroethane	BDL	10.	BDL	10.	BDL	10.
Nitrobenzene	BDL	10.	BDL	10.	BDL	10.
Isophorone	BDL	10.	BDL	10.	BDL	10.

270076

Sample ID	ABW16		SBLKAA		SBLKBB	
Type	Field blank		Method blank		Method blank	
Date Shipped	10/17/91		00/00/00		00/00/00	
Date extracted	10/22/91		10/22/91		10/21/91	
Date analyzed	10/24/91		10/23/91		10/23/91	
SDG number	1		1		1	
Matrix	Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
2-nitrophenol	BDL	10.	BDL	10.	BDL	10.
2,4-dimethylphenol	BDL	10.	BDL	10.	BDL	10.
Benzoic acid	BDL	50.	BDL	50.	BDL	50.
bis(2-chloroisopropyl)ether	BDL	10.	BDL	10.	BDL	10.
2,4-dichlorophenol	BDL	10.	BDL	10.	BDL	10.
1,2,4-trichlorobenzene	BDL	10.	BDL	10.	BDL	10.
Naphthalene	BDL	10.	BDL	10.	BDL	10.
4-chloroaniline	BDL	10.	BDL	10.	BDL	10.
Hexachlorobutadiene	BDL	10.	BDL	10.	BDL	10.
4-chloro-3-methylphenol	BDL	10.	BDL	10.	BDL	10.
2-methylnaphthalene	BDL	10.	BDL	10.	BDL	10.
Hexachlorocyclopentadiene	BDL	10.	BDL	10.	BDL	10.
2,4,6-trichlorophenol	BDL	10.	BDL	10.	BDL	10.
2,4,5-trichlorophenol	BDL	50.	BDL	50.	BDL	50.

Sample ID	ABW16		SBLKAA		SBLKBB	
Type	Field blank		Method blank		Method blank	
Date Shipped	10/17/91		00/00/00		00/00/00	
Date extracted	10/22/91		10/22/91		10/21/91	
Date analyzed	10/24/91		10/23/91		10/23/91	
SDG number	1		1		1	
Matrix	Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
2-chloronaphthalene	BDL	10.	BDL	10.	BDL	10.
2-nitroaniline	BDL	50.	BDL	50.	BDL	50.
Dimethylphthalate	BDL	10.	BDL	10.	BDL	10.
Acenaphthylene	BDL	10.	BDL	10.	BDL	10.
2,6-dinitrotoluene	BDL	10.	BDL	10.	BDL	10.
3-nitroaniline	BDL	50.	BDL	50.	BDL	50.
Acenaphthene	BDL	10.	BDL	10.	BDL	10.
2,4-dinitrophenol	BDL	50.	BDL	50.	BDL	50.
4-nitrophenol	BDL	50.	BDL	50.	BDL	50.
Dibenzofuran	BDL	10.	BDL	10.	BDL	10.
2,4-dinitrotoluene	BDL	10.	BDL	10.	BDL	10.
Diethylphthalate	BDL	10.	BDL	10.	BDL	10.
4-chlorophenol-phenylether	BDL	10.	BDL	10.	BDL	10.
Fluorene	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW16		SBLKAA		SBLKBB	
Type	Field blank		Method blank		Method blank	
Date Shipped	10/17/91		00/00/00		00/00/00	
Date extracted	10/22/91		10/22/91		10/21/91	
Date analyzed	10/24/91		10/23/91		10/23/91	
SDG number	1		1		1	
Matrix	Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
4-nitroaniline	BDL	50.	BDL	50.	BDL	50.
4,6-dinitro-2-methylphenol	BDL	50.	BDL	50.	BDL	50.
N-nitrosodiphenylamine	BDL	10.	BDL	10.	BDL	10.
4-bromophenyl-phenylether	BDL	10.	BDL	10.	BDL	10.
Hexachlorobenzene	BDL	10.	BDL	10.	BDL	10.
Pentachlorophenol	BDL	50.	BDL	50.	BDL	50.
Phenanthrene	3.J		BDL	10.	BDL	10.
Anthracene	BDL	10.	BDL	10.	BDL	10.
Di-n-butylphthalate	BDL	10.	BDL	10.	BDL	10.
Fluoranthene	2.J		BDL	10.	BDL	10.
Pyrene	BDL	10.	BDL	10.	BDL	10.
Butylbenzylphthalate	BDL	10.	BDL	10.	BDL	10.
3,3-dichlorobenzidine	BDL	20.	BDL	20.	BDL	20.
Benzo(a)anthracene	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABW16		SBLKAA		SBLKBB	
Type	Field blank		Method blank		Method blank	
Date Shipped	10/17/91		00/00/00		00/00/00	
Date extracted	10/22/91		10/22/91		10/21/91	
Date analyzed	10/24/91		10/23/91		10/23/91	
SDG number	1		1		1	
Matrix	Water		Water		Water	
Semivolatile compound (EPA Method 8270)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chrysene	BDL	10	BDL	10	BDL	10.
bis(2-ethylhexyl)phthalate	2.BJ		5.J		BDL	10.
Di-n-octylphthalate	BDL	10.	BDL	10.	BDL	10.
Benzo(b)fluoranthene	BDL	10.	BDL	10	BDL	10
Benzo(k)fluoranthene	BDL	10	BDL	10.	BDL	10.
Benzo(a)pyrene	BDL	10	BDL	10	BDL	10
Indeno(1,2,3-c,d)pyrene	BDL	10	BDL	10.	BDL	10
Dibenz(a,h)anthracene	BDL	10.	BDL	10.	BDL	10.
Benzo(g,h,i)perylene	BDL	10.	BDL	10.	BDL	10.

270075

Sample ID	Type	Date Shipped	Parameter					
			Alpha picocuries/ liter	Alpha.CE +/- picocuries/ liter	Date Analyzed	^{226}Ra picocuries/ liter	^{226}Ra.CE ± picocuries/ liter	Date analyzed
ABW08	Equipment Blank	10/15/91	0.3	0.6	11/15/91	1.4	0.9	11/17/91
ABW09	Equipment Blank	10/15/91	0.1	0.7	11/15/91	1.4	0.8	11/17/91
ABW10	Equipment Blank	10/15/91	0.2	0.6	11/15/91	2.1	1.5	11/17/91
ABW11	Equipment Blank	10/16/91	0.2	0.7	11/15/91	0.9	0.8	11/17/91
ABW12	Equipment Blank	10/16/91	<0.1	0.7	11/15/91	0.8	1.5	11/17/91
ABW13	Equipment Blank	10/16/91	0.2	0.8	11/15/91	0.5	0.7	11/17/91
ABW14	Equipment Blank	10/17/91	0.2	0.8	11/15/91	1.2	0.7	11/17/91
ABW15	Field Blank	10/15/91	0.3	0.9	11/15/91	1.4	0.9	11/17/91
ABW16	Field Blank	10/17/91	0.3	0.9	11/15/91	1.0	0.8	11/17/91

Sample ID	VBLK21		VBLK22		ABS21MS		ABS21MSD		ABS31MS	
Type	Method blank		Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/21/91		10/22/91		10/25/91		10/25/91		10/26/91	
SDG number	1		1		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	11.		16.		34.		BDL	11.	18.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.						
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270073

Sample ID	VBLK21		VBLK22		ABS21MS		ABS21MSD		ABS31MS	
Type	Method blank		Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/21/91		10/22/91		10/25/91		10/25/91		10/26/91	
SDG number	1		1		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.						
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.						
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	11.	BDL	11.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	VBLK21		VBLK22		ABS21MS		ABS21MSD		ABS31MS	
Type	Method blank		Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/21/91		10/22/91		10/25/91		10/25/91		10/26/91	
SDG number	1		1		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.						
Chlorobenzene	BDL	5.	BDL	5.						
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270080

Sample ID	ABS31MSD		ABS41MS		ABS41MSD		ABS51M3	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/25/91		10/25/91		10/25/91		10/25/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Bromomethane	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Vinyl chloride	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Chloroethane	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	21.		68.		53.		36.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene								
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	11.	BDL	11.	BDL	11.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS31MSD		ABS41MS		ABS41MSD		ABS51MS	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/25/91		10/25/91		10/25/91		10/25/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene								
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene								
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	11.	BDL	11.	BDL	11.
2-hexanone	BDL	10.	BDL	11.	BDL	11.	BDL	11.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2700081

Sample ID	ABS31MSD		ABS41MS		ABS41MSD		ABS51MS	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Matrix spike	
Date analyzed	10/25/91		10/25/91		10/25/91		10/25/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene								
Chlorobenzene								
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.

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Sample ID	ABS51MSD		VBLK21		VBLK22		VBLK24		VBLK25	
Type	Matrix spike duplicate		Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/25/91		10/21/91		10/22/91		10/24/91		10/25/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	16.		BDL	5.	BDL	5.
Acetone	34.		11.		BDL	10.	BDL	10.	BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene			BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2700032

Sample ID	ABS51MSD		VBLK21		VBLK22		VBLK24		VBLK25	
Type	Matrix spike duplicate		Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/25/91		10/21/91		10/22/91		10/24/91		10/25/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene			BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene			BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS51MSD		VBLK21		VBLK22		VBLK24		VBLK25	
Type	Matrix spike duplicate		Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/25/91		10/21/91		10/22/91		10/24/91		10/25/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene			BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene			BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	VBLK26		VBLK26		VBLK28		VBLK29	
Type	Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/26/91		10/26/91		10/28/91		10/29/91	
SDG number	2		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	9.		9.		BDL	5.	BDL	5.
Acetone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	VBLK26		VBLK26		VBLK28		VBLK29	
Type	Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/26/91		10/26/91		10/28/91		10/29/91	
SDG number	2		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRD L	Result (µg/L)	CRD L	Result (µg/L)	CRD L	Result (µg/L)	CRDL
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2700034

Sample ID	VBLK26		VBLK26		VBLK28		VBLK29	
Type	Method blank		Method blank		Method blank		Method blank	
Date analyzed	10/26/91		10/26/91		10/28/91		10/29/91	
SDG number	2		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL	Result (µg/L)	CRDL
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS71MS		ABS71MSD		SBLKAA		ABS51MS	
Type	Matrix spike		Matrix spike duplicate		Method blank		Matrix spike	
Date extracted	10/28/91		10/28/91		10/28/91		10/30/91	
Date analyzed	11/06/91		11/07/91		11/01/91		11/07/91	
SDG number	2		2		2		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol					BDL	660.		
bis(2-chloroethoxy)methane	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2-chlorophenol					BDL	660.		
1,3-dichlorobenzene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
1,4-dichlorobenzene					BDL	660.		
Benzyl alcohol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
1,2-dichlorobenzene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2-methylphenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	710.	BDL	660.	BDL	700.
4-methylphenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
N-nitroso-di-n-propylamine					BDL	660.		
Hexachloroethane	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Nitrobenzene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Isophorone	BDL	710.	BDL	710.	BDL	660.	BDL	700.

270083

Sample ID	ABS71MS		ABS71MSD		SBLKAA		ABS51MS	
Type	Matrix spike		Matrix spike duplicate		Method blank		Matrix spike	
Date extracted	10/28/91		10/28/91		10/28/91		10/30/91	
Date analyzed	11/06/91		11/07/91		11/01/91		11/07/91	
SDG number	2		2		2		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-nitrophenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,4-dimethylphenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Benzoic acid	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,4-dichlorophenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
1,2,4-trichlorobenzene					BDL	660.		
Naphthalene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
4-chloroaniline	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Hexachlorobutadiene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
4-chloro-3-methylphenol					BDL	660.		
2-methylnaphthalene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Hexachlorocyclopentadiene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,4,6-trichlorophenol	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,4,5-trichlorophenol	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.

Sample ID	ABS71MS		ABS71MSD		SBLKAA		ABS51MS	
Type	Matrix spike		Matrix spike duplicate		Method blank		Matrix spike	
Date extracted	10/28/91		10/28/91		10/28/91		10/30/91	
Date analyzed	11/06/91		11/07/91		11/01/91		11/07/91	
SDG number	2		2		2		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-chloronaphthalene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2-nitroaniline	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
Dimethylphthalate	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Acenaphthylene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,6-dinitrotoluene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
3-nitroaniline	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
Acenaphthene					BDL	660.		
2,4-dinitrophenol	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
4-nitrophenol					BDL	3200.		
Dibenzofuran	BDL	710.	BDL	710.	BDL	660.	BDL	700.
2,4-dinitrotoluene					BDL	660.		
Diethylphthalate	BDL	710.	BDL	710.	BDL	660.	BDL	700.
4-chlorophenol-phenylether	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Fluorene	BDL	710.	BDL	710.	BDL	660.	BDL	700.

2700036

Sample ID	ABS71MS		ABS71MSD		SBLKAA		ABS_1MS	
Type	Matrix spike		Matrix spike duplicate		Method blank		Matrix spike	
Date extracted	10/28/91		10/28/91		10/28/91		10/30/91	
Date analyzed	11/06/91		11/07/91		11/01/91		11/07/91	
SDG number	2		2		2		3	
Matrix	Soil		Soil		Soil		Soil	
Semi-volatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3400.	BDL	3200.	BDL	3400.
N-nitrosodiphenylamine	BDL	710.	BDL	710.	BDL	660.	BDL	700.
4-bromophenyl-phenylether	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Hexachlorobenzene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Pentachlorophenol					BDL	3200.		
Phenanthrene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Anthracene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Di-n-butylphthalate	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Fluoranthene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Pyrene					BDL	660.		
Butylbenzylphthalate	BDL	710.	BDL	710.	BDL	660.	BDL	700.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1300.	BDL	1400.
Benzo(a)anthracene	BDL	710.	BDL	710.	BDL	660.	BDL	700.

Sample ID	ABS71MS		ABS71MSD		SBLKAA		ABS51MS	
Type	Matrix spike		Matrix spike duplicate		Method blank		Matrix spike	
Date extracted	10/28/91		10/28/91		10/28/91		10/30/91	
Date analyzed	11/06/91		11/07/91		11/01/91		11/07/91	
SDG number	2		2		2		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chrysene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
bis(2-ethylhexyl)phthalate	400.BJ		77.BJ		3403		120.BJ	
Di-n-octylphthalate	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Benzo(b)fluoranthene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Benzo(k)fluoranthene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Benzo(a)pyrene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Indeno(1,2,3-c,d)pyrene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Dibenz(a,h)anthracene	BDL	710.	BDL	710.	BDL	660.	BDL	700.
Benzo(g,h,i)perylene	BDL	710.	BDL	710.	BDL	660.	BDL	700.

270081

Sample ID	ABS51MSD		ABS61MS		ABS61MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/30/91		10/23/91		10/23/91		10/23/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/01/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol							BDL	660.
bis(2-chloroethoxy)methane	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2-chlorophenol							BDL	660.
1,3-dichlorobenzene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
1,4-dichlorobenzene							BDL	660.
Benzyl alcohol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
1,2-dichlorobenzene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2-methylphenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
bis(2-chloroisopropyl)ether	BDL	700.	BDL	840.	BDL	840.	BDL	660.
4-methylphenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
N-nitroso-di-n-propylamine							BDL	660.
Hexachloroethane	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Nitrobenzene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Isophorone	BDL	700.	BDL	840.	BDL	840.	BDL	660.

Sample ID	ABS51MSD		ABS61MS		ABS61MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/30/91		10/23/91		10/23/91		10/23/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/01/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-nitrophenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,4-dimethylphenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Benzoic acid	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
bis(2-chloroisopropyl)ether	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,4-dichlorophenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
1,2,4-trichlorobenzene							BDL	660.
Naphthalene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
4-chloroaniline	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Hexachlorobutadiene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
4-chloro-3-methylphenol							BDL	660.
2-methylnaphthalene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Hexachlorocyclopentadiene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,4,6-trichlorophenol	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,4,5-trichlorophenol	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.

270883

Sample ID	ABS51MSD		ABS61MS		ABS61MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/30/91		10/23/91		10/23/91		10/23/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/01/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-chloronaphthalene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2-nitroaniline	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
Dimethylphthalate	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Acenaphthylene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,6-dinitrotoluene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
3-nitroaniline	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
Acenaphthene							BDL	660.
2,4-dinitrophenol	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
4-nitrophenol							BDL	3200.
Dibenzofuran	BDL	700.	BDL	840.	BDL	840.	BDL	660.
2,4-dinitrotoluene							BDL	660.
Diethylphthalate	BDL	700.	BDL	840.	BDL	840.	1400.	
4-chlorophenol-phenylether	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Fluorene	BDL	700.	BDL	840.	BDL	840.	BDL	660.

Sample ID	ABS51MSD		ABS61MS		ABS61MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/30/91		10/23/91		10/23/91		10/23/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/01/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	4100.	BDL	4100.	BDL	3200.
N-nitrosodiphenylamine	BDL	700.	BDL	840.	BDL	840.	BDL	660.
4-bromophenyl-phenylether	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Hexachlorobenzene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Pentachlorophenol							BDL	3200.
Phenanthrene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Anthracene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Di-n-butylphthalate	BDL	700.	BDL	840.	BDL	840.	1800.	
Fluoranthene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Pyrene							BDL	660.
Butylbenzylphthalate	BDL	700.	BDL	840.	BDL	840.	BDL	660.
3,3-dichlorobenzidine	BDL	1400.	BDL	1700.	BDL	1700.	BDL	1300.
Benzo(a)anthracene	BDL	700.	BDL	840.	BDL	840.	BDL	660.

270031

Sample ID	ABS51MSD		ABS61MS		ABS61MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/30/91		10/23/91		10/23/91		10/23/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/01/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chrysene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
bis(2-ethylhexyl)phthalate	120.BJ		560.BJ		130.BJ		180.J	
Di-n-octylphthalate	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Benzo(b)fluoranthene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Benzo(k)fluoranthene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Benzo(a)pyrene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Indeno(1,2,3-c,d)pyrene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Dibenz(a,h)anthracene	BDL	700.	BDL	840.	BDL	840.	BDL	660.
Benzo(g,h,i)perylene	BDL	700.	BDL	840.	BDL	840.	BDL	660.

Sample ID	SBLKBB		ABS31MS		ABS31MSDRE		ABS41MS	
Type	Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/30/91	
Date analyzed	11/05/91		11/07/91		11/11/91		11/07/91	
SDG number	3		4		4		4	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	660.						
bis(2-chloroethoxy)methane	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2-chlorophenol	BDL	660.						
1,3-dichlorobenzene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
1,4-dichlorobenzene	BDL	660.						
Benzyl alcohol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
1,2-dichlorobenzene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2-methylphenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
bis(2-chloroisopropyl)ether	BDL	660.	BDL	690.	BDL	690.	BDL	710.
4-methylphenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
N-nitroso-di-n-propylamine	BDL	660.						
Hexachloroethane	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Nit[illegible]b[illegible]	BDL	660.	BDL	690.	[illegible]	0.	BDL	1
s[illegible]h[illegible]r[illegible]e	BDL	660.	BDL	690.	BDL	690.	BDL	710.

270090

Sample ID	SBLKBB		ABS31MS		ABS31MSDRE		ABS41MS	
Type	Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/30/91	
Date analyzed	11/05/91		11/07/91		11/11/91		11/07/91	
SDG number	3		4		4		4	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-nitrophenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,4-dimethylphenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Benzoic acid	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
bis(2-chloroisopropyl)ether	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,4-dichlorophenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
1,2,4-trichlorobenzene	BDL	660.						
Naphthalene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
4-chloroaniline	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Hexachlorobutadiene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
4-chloro-3-methylphenol	BDL	660.						
2-methylnaphthalene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Hexachlorocyclopentadiene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,4,6-trichlorophenol	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,4,5-trichlorophenol	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.

Sample ID	SBLKBB		ABS31MS		ABS31MSDRE		ABS41MS	
Type	Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/30/91	
Date analyzed	11/05/91		11/07/91		11/11/91		11/07/91	
SDG number	3		4		4		4	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-chloronaphthalene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2-nitroaniline	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
Dimethylphthalate	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Acenaphthylene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,6-dinitrotoluene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
3-nitroaniline	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
Acenaphthene	BDL	660.						
2,4-dinitrophenol	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
4-nitrophenol	BDL	3200.						
Dibenzofuran	BDL	660.	BDL	690.	BDL	690.	BDL	710.
2,4-dinitrotoluene	BDL	660.						
Diethylphthalate	BDL	660.	BDL	690.	BDL	690.	BDL	710.
4-chlorophenol-phenylether	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Fluorene	BDL	660.	BDL	690.	BDL	690.	BDL	710.

2700091

Sample ID	SBLKBB		ABS31MS		ABS31MSDRE		ABS41MS	
Type	Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/30/91	
Date analyzed	11/05/91		11/07/91		11/11/91		11/07/91	
SDG number	3		4		4		4	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
4,6-dinitro-2-methylphenol	BDL	3200.	BDL	3300.	BDL	3300.	BDL	3400.
N-nitrosodiphenylamine	BDL	660.	BDL	690.	BDL	690.	BDL	710.
4-bromophenyl-phenylether	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Hexachlorobenzene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Pentachlorophenol	BDL	3200.						
Phenanthrene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Anthracene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Di-n-butylphthalate	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Fluoranthene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Pyrene	BDL	660.						
Butylbenzylphthalate	BDL	660.	BDL	690.	BDL	690.	BDL	710.
3,3-dichlorobenzidine	BDL	1300.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	660.	BDL	690.	BDL	690.	BDL	710.

Sample ID	SBLKBB		ABS31MS		ABS31MSDRE		ABS41MS	
Type	Method blank		Matrix spike		Matrix spike duplicate		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/30/91	
Date analyzed	11/05/91		11/07/91		11/11/91		11/07/91	
SDG number	3		4		4		4	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chrysene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
bis(2-ethylhexyl)phthalate	150.J		BDL	690.	760.B		190.J	
Di-n-octylphthalate	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Benzo(b)fluoranthene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Benzo(k)fluoranthene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Benzo(a)pyrene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Indeno(1,2,3-c,d)pyrene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Dibenz(a,h)anthracene	BDL	660.	BDL	690.	BDL	690.	BDL	710.
Benzo(g,h,i)perylene	BDL	660.	BDL	690.	BDL	690.	BDL	710.

270083

Sample ID	ABS41MSD		SBLKAA		SBLKAARE		ABS^1MS	
Type	Matrix spike duplicate		Method blank		Method blank		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/21/91	
Date analyzed	11/07/91		11/07/91		11/13/91		11/04/91	
SDG number	4		4		4		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol			BDL	660.	BDL	660.		
bis(2-chloroethoxy)methane	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2-chlorophenol			BDL	660.	BDL	660.		
1,3-dichlorobenzene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
1,4-dichlorobenzene			BDL	660.	BDL	660.		
Benzyl alcohol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
1,2-dichlorobenzene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2-methylphenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	660.	BDL	660.	BDL	700.
4-methylphenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
N-nitroso-di-n-propylamine			BDL	660.	BDL	660.		
Hexachloroethane	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Nitrobenzene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Isophorone	BDL	710.	BDL	660.	BDL	660.	BDL	700.

Sample ID	ABS41MSD		SBLKAA		SBLKAARE		ABS21MS	
Type	Matrix spike duplicate		Method blank		Method blank		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/21/91	
Date analyzed	11/07/91		11/07/91		11/13/91		11/04/91	
SDG number	4		4		4		[illegible]	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-nitrophenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,4-dimethylphenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Benzoic acid	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,4-dichlorophenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
1,2,4-trichlorobenzene			BDL	660.	BDL	660.		
Naphthalene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
4-chloroaniline	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Hexachlorobutadiene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
4-chloro-3-methylphenol			BDL	660.	BDL	660.		
2-methylnaphthalene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Hexachlorocyclopentadiene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,4,6-trichlorophenol	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,4,5-trichlorophenol	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.

270093

Sample ID	ABS41MSD		SBLKAA		SBLKAARE		ABS21MS	
Type	Matrix spike duplicate		Method blank		Method blank		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/21/91	
Date analyzed	11/07/91		11/07/91		11/13/91		11/04/91	
SDG number	4		4		4		5	
Matrix	Sail		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	**Result (µg/kg)**	**CRDL**	**Result (µg/kg)**	**CRDL**	**Result (µg/kg)**	**CRDL**	**Result (µg/kg)**	**CRDL**
2-chloronaphthalene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2-nitroaniline	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
Dimethylphthalate	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Acenaphthylene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,6-dinitrotoluene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
3-nitroaniline	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
Acenaphthene			BDL	660.	BDL	660.		
2,4-dinitrophenol	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
4-nitrophenol			BDL	3200.	BDL	3200.		
Dibenzofuran	BDL	710.	BDL	660.	BDL	660.	BDL	700.
2,4-dinitrotoluene			BDL	660.	BDL	660.		
Diethylphthalate	BDL	710.	BDL	660.	BDL	660.	BDL	700.
4-chlorophenol-phenylether	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Fluorene	BDL	710.	BDL	660.	BDL	660.	BDL	700.

Sample ID	ABS41MSD		SBLKAA		SBLKAARE		ABS21MS	
Type	Matrix spike duplicate		Method blank		Method blank		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/21/91	
Date analyzed	11/07/91		11/07/91		11/13/91		11/04/91	
SDG number	4		4		4		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3200.	BDL	3200.	BDL	3400.
N-nitrosodiphenylamine	BDL	710.	BDL	660.	BDL	660.	BDL	700.
4-bromophenyl-phenylether	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Hexachlorobenzene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Pentachlorophenol			BDL	3200.	BDL	3200.		
Phenanthrene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Anthracene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Di-n-butylphthalate	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Fluoranthene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Pyrene			BDL	660.	BDL	660.		
Butylbenzylphthalate	BDL	710.	BDL	660.	BDL	660.	BDL	700.
3,3-dichlorobenzidine	BDL	1400.	BDL	1300.	BDL	1300.	BDL	1400.
Benzo(a)anthracene	BDL	710.	BDL	660.	BDL	660.	BDL	700.

270094

Sample ID	ABS41MSD		SBLKAA		SBLKAARE		ABS21MS	
Type	Matrix spike duplicate		Method blank		Method blank		Matrix spike	
Date extracted	10/30/91		10/30/91		11/09/91		10/21/91	
Date analyzed	11/07/91		11/07/91		11/13/91		11/04/91	
SDG number	4		4		4		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chrysene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
bis(2-ethylhexyl)phthalate	BDL	710.	BDL	660.	510.J		270.BJ	
Di-n-octylphthalate	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Benzo(b)fluoranthene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Benzo(k)fluoranthene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Benzo(a)pyrene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Indeno(1,2,3-c,d)pyrene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Dibenz(a,h)anthracene	BDL	710.	BDL	660.	BDL	660.	BDL	700.
Benzo(g,h,i)perylene	BDL	710.	BDL	660.	BDL	660.	BDL	700.

Sample ID	ABS21MSD		ABS28MS		ABS28MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/21/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/04/91		11/05/91		11/05/91		11/01/91	
SDG number	5		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol							BDL	660.
bis(2-chloroethoxy)methane	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2-chlorophenol							BDL	660.
1,3-dichlorobenzene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
1,4-dichlorobenzene							BDL	660.
Benzyl alcohol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
1,2-dichlorobenzene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2-methylphenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	680.	BDL	660.
4-methylphenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
N-nitroso-di-n-propylamine							BDL	660.
Hexachloroethane	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Nitrobenzene	BDL	690.	DDL	680.	BDL	680.	BDL	660.
Isophorone	BDL	690.	BDL	680.	BDL	680.	BDL	660.

270093

Sample ID	ABS21MSD		ABS28MS		ABS28MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/21/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/04/91		11/05/91		11/05/91		11/01/91	
SDG number	5		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-nitrophenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,4-dimethylphenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,4-dichlorophenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
1,2,4-trichlorobenzene							BDL	660.
Naphthalene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
4-chloroaniline	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Hexachlorobutadiene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
4-chloro-3-methylphenol							BDL	660.
2-methylnaphthalene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Hexachlorocyclopentadiene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,4,6-trichlorophenol	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.

Sample ID	ABS21MSD		ABS28MS		ABS28MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/21/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/04/91		11/05/91		11/05/91		11/01/91	
SDG number	5		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-chloronaphthalene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.
Dimethylphthalate	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Acenaphthylene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,6-dinitrotoluene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.
Acenaphthene							BDL	660.
2,4-dinitrophenol	BDL	3400.	BDL	3300	BDL	3300.	BDL	3200.
4-nitrophenol							BDL	3200.
Dibenzofuran	BDL	690.	BDL	680.	BDL	680.	BDL	660.
2,4-dinitrotoluene							BDL	660.
Diethylphthalate	BDL	690.	BDL	680	BDL	680.	BDL	660.
4-chlorophenol-phenylether	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Fluorene	BDL	690.	BDL	680.	BDL	680.	BDL	660.

270030

Sample ID	ABS21MSD		ABS28MS		ABS28MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/21/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/04/91		11/05/91		11/05/91		11/01/91	
SDG number	5		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3200.
N-nitrosodiphenylamine	BDL	690.	BDL	680.	BDL	680.	BDL	660.
4-bromophenyl-phenylether	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Hexachlorobenzene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Pentachlorophenol							BDL	3200.
Phenanthrene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Anthracene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Di-n-butylphthalate	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Fluoranthene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Pyrene							BDL	660.
Butylbenzylphthalate	BDL	690.	BDL	680.	BDL	680.	BDL	660.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1300.
Benzo(a)anthracene	BDL	690.	BDL	680.	BDL	680.	BDL	660.

Sample ID	ABS21MSD		ABS28MS		ABS28MSD		SBLKAA	
Type	Matrix spike duplicate		Matrix spike		Matrix spike duplicate		Method blank	
Date extracted	10/21/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/04/91		11/05/91		11/05/91		11/01/91	
SDG number	5		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chrysene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
bis(2-ethylhexyl)phthalate	340.BJ		460.BJ		410.BJ		620J	
Di-n-octylphthalate	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Benzo(b)fluoranthene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Benzo(k)fluoranthene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Benzo(a)pyrene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Dibenz(a,h)anthracene	BDL	690.	BDL	680.	BDL	680.	BDL	660.
Benzo(g,h,i)perylene	BDL	690.	BDL	680.	BDL	680.	BDL	660.

270097

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
Phenol	BDL	660.
bis(2-chloroethoxy)methane	BDL	660.
2-chlorophenol	BDL	660.
1,3-dichlorobenzene	BDL	660.
1,4-dichlorobenzene	BDL	660.
Benzyl alcohol	BDL	660.
1,2-dichlorobenzene	BDL	660.
2-methylphenol	BDL	660.
bis(2-chloroisopropyl)ether	BDL	660.
4-methylphenol	BDL	660.
N-nitroso-di-n-propylamine	BDL	660.
Hexachloroethane	BDL	660.
Nitrobenzene	BDL	660.
Isophorone	BDL	660.

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
2-nitrophenol	BDL	660.
2,4-dimethylphenol	BDL	660.
Benzoic acid	BDL	3200.
bis(2-chloroisopropyl)ether	BDL	660.
2,4-dichlorophenol	BDL	660.
1,2,4-trichlorobenzene	BDL	660.
Naphthalene	BDL	660.
4-chloroaniline	BDL	660.
Hexachlorobutadiene	BDL	660.
4-chloro-3-methylphenol	BDL	660.
2-methylnaphthalene	BDL	660.
Hexachlorocyclopentadiene	BDL	660.
2,4,6-trichlorophenol	BDL	660.
2,4,5-trichlorophenol	BDL	3200.

270098

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
2-chloronaphthalene	BDL	660.
2-nitroaniline	BDL	3200.
Dimethylphthalate	BDL	660.
Acenaphthylene	BDL	660.
2,6-dinitrotoluene	BDL	660.
3-nitroaniline	BDL	3200.
Acenaphthene	BDL	660.
2,4-dinitrophenol	BDL	3200.
4-nitrophenol	BDL	3200.
Dibenzofuran	BDL	660.
2,4-dinitrotoluene	BDL	660.
Diethylphthaiate	BDL	660.
4-chlorophenol-phenylether	BDL	660.
Fluorene	BDL	660.

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
4-nitroaniline	BDL	3200.
4,6-dinitro-2-methylphenol	BDL	3200.
N-nitrosodiphenylamine	BDL	660.
4-bromophenyl-phenylether	BDL	660.
Hexachlorobenzene	BDL	660.
Pentachlorophenol	BDL	3200.
Phenanthrene	BDL	660.
Anthracene	BDL	660.
Di-n-butylphthalate	BDL	660.
Fluoranthene	BDL	660.
Pyrene	BDL	660.
Butylbenzylphthalate	BDL	660.
3,3-dichlorobenzidine	BDL	1300.
Benzo(a)anthracene	BDL	660.

270099

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
Chrysene	BDL	660.
bis(2-ethylhexyl)phthalate	150.	J
Di-n-octylphthalate	BDL	660.
Benzo(b)fluoranthene	BDL	660.
Benzo(k)fluoranthene	BDL	660.
Benzo(a)pyrene	BDL	660.
Indeno(1,2,3-c,d)pyrene	BDL	660.
Dibenz(a,h)anthracene	BDL	660.
Benzo(g,h,i)perylene	BDL	660.
Fluoranthene	BDL	660.
Pyrene	BDL	660.
Butylbenzylphthalatc	BDL	660.
3,3-dichlorobenzidine	BDL	1300.
Benzo(a)anthracene	BDL	660.

Sample ID	SBLKAARE
Type	Method blank
Date extracted	11/09/91
Date analyzed	11/13/91
SDG number	5
Matrix	Soil

Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL
Chrysene	BDL	660.
bis(2-ethylhexyl)phthalate	510.	J
Di-n-octylphthalate	BDL	660.
Benzo(b)fluoranthene	BDL	660.
Benzo(k)fluoranthene	BDL	660.
Benzo(a)pyrene	BDL	660.
Indeno(1,2,3-c,d)pyrene	BDL	660.
Dibenz(a,h)anthracene	BDL	660.
Benzo(g,h,i)perylene	BDL	660.

Appendix D

ANALYTICAL RESULTS FOR SOIL SAMPLES

NOTE: 1 Internal standard areas were out of control in *ABS07* from semivolatile SDG 3. The sample was reanalyzed with the same result; therefore, only the results from the first run are reported here.

2. *ABS30* VOC results are considered to be suspect due to the reported headspace in the sample container.

3. ABS21, ABS28, ABS34, and *ABS64* were mistakenly spiked during the SVOC analysis. The mistake was discovered after holding times had expired. Only the re-runs are reported here. This data is considered to be suspect.

4. **Glossary - BDL** below detection limit

EXPLANATION OF DNA QUALIFIERS

B Notation - Compound was detected in an associated blank as well as in the sample; therefore, it is possible that the compound was introduced into the sample during sample collection or laboratory preparation and cannot be verified to be present in the sample.

J Notation - Compound detected at a concentration below the quantitation limit. The concentration reported is subject to significant error. These values should be considered qualitative.

D Notation - A secondary dilution factor was used before the analysis was conducted. Used in situations where a compound was detected at a value greater than the linear range of the instrument.

E Notation - Concentration of compound exceeds the linear range (upper quantitation limit) of the instrument. The concentration reported is subject to error and should be considered qualitative.

270102

Sample ID	ABS07		ABS08		ABS15		ABS19		ABS21 (duplicate 22)	
Boring ID	1A-3		1A-4		1B-3		1C-1		1C-2	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet		3-7 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Methylene chloride	BDL	5.	13.B		BDL	5.	BDL	5.	BDL	5.
Acetone	24.B		11.		BDL	10.	16.B		14.B	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.

270103

Sample ID	ABS07		ABS08		ABS15		ABS19		ABS21 (duplicate 22)	
Boring ID	1A-3		1A-4		1B-3		1C-1		1C-2	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet		3-7 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.

Sample ID	ABS07		ABS08		ABS15		ABS19		ABS21 (duplicate 22)	
Boring ID	1A-3		1A-4		1B-3		1C-1		1C-2	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet		3-7 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	11.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS22		ABS28		ABS29		ABS30 (suspect)		ABS31 (duplicate 32)	
Boring ID	1C-2		1D-1		1D-1		1D-2		1D-2	
Date collected	10/15/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	15.B		BDL	5.	BDL	5.	BDL	5.
Acetone	15.B		BDL	10.	BDL	10.	BDL	10.	13.B	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanonc	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABS22		ABS28		ABS29		ABS30 (suspect)		ABS31 (duplicate 32)	
Boring ID	1C-2		1D-1		1D-1		1D-2		1D-2	
Date collected	10/15/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.

Sample ID	ABS22		ABS28		ABS29		ABS30 (suspect)		ABS31 (duplicate 32)	
Boring ID	1C-2		1D-1		1D-1		1D-2		1D-2	
Date collected	10/15/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/21/91		10/22/91		10/21/91		10/21/91		10/21/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS32		ABS33		ABS34		ABS35		ABS36	
Boring ID	1D-2		1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/21/91		10/21/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		1	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	12.B		14.B		8.B	
Acetone	BDL	10.	BDL	10.	35.		49.		93.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS32		ABS33		ABS34		ABS35		ABS36	
Boring ID	1D-2		1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/21/91		10/21/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		1	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS32		ABS33		ABS34		ABS35		ABS36	
Boring ID	1D-2		1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/21/91		10/21/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		1	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270101

Sample ID	ABS37		ABS38		ABS39		ABS40		ABS41 (duplicate 42)	
Boring ID	1E-1		1E-1		1E-2		1E-2		1E-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/22/91		10/22/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Bromomethane	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Vinyl chloride	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Chloroethane	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Methylene chloride	7.B		6.B		5.B		BDL	5.	5.B	
Acetone	59.		12.		17.		13.		54.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.

Sample ID	ABS37		ABS38		ABS39		ABS40		ABS41 (duplicate 42)	
Boring ID	1E-1		1E-1		1E-2		1E-2		1E-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/22/91		10/22/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDI	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	11.	BDL	10.	BDL	10.	RDL	11.

Sample ID	ABS37		ABS38		ABS39		ABS40		ABS41 (duplicate 42)	
Boring ID	1E-1		1E-1		1E-2		1E-2		1E-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/22/91		10/22/91		10/22/91		10/22/91		10/22/91	
SDG number	1		1		1		1		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-hexanone	BDL	10.	BDL	11.	BDL	10.	BDL	10.	BDL	11.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS42		ABS43		ABS44		ABS45		ABS46	
Boring ID	1E-3		1E-3		1E-4		1E-4		1F-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/22/91		10/21/91		10/22/91		10/24/91		10/24/91	
SDG number	1		1		1		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	5.B		BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	72.		88.		42.		14.		31.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDC	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270109

Sample ID	ABS42		ABS43		ABS44		ABS45		ABS46	
Boring ID	1E-3		1E-3		1E-4		1E-4		1F-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/22/91		10/21/91		10/22/91		10/24/91		10/24/91	
SDG number	1		1		1		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS42		ABS43		ABS44		ABS45		ABS46	
Boring ID	1E-3		1E-3		1E-4		1E-4		1F-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/22/91		10/21/91		10/22/91		10/24/91		10/24/91	
SDG number	1		1		1		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270110

Sample ID	ABS47		ABS48		ABS49		ABS50		ABS51 (duplicate 52)	
Boring ID	1F-1		1F-2		1F-2		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/24/91		10/24/91		10/25/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Bromomethane	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Vinyl chloride	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Chloroethane	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	11.		BDL	10.	BDL	11.	10.		24.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.

Sample ID	ABS47		ABS48		ABS49		ABS50		ABS51 (duplicate 52)	
Boring ID	1F-1		1F-2		1F-2		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/24/91		10/24/91		10/25/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.

270111

Sample ID	ABS47		ABS48		ABS49		ABS50		ABS51 (duplicate 52)	
Boring ID	1F-1		1F-2		1F-2		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-12 feet	
Date analyzed	10/24/91		10/24/91		10/25/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-hexanone	BDL	10.	BDL	10.	BDL	11.	BDL	10.	BDL	11.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS52		ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-3		1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/24/91		10/24/91		10/24/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromomethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Vinyl chloride	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Chloroethane	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	18.		49.		26.		29.		12.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS52		ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-3		1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/24/91		10/24/91		10/24/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
2-hexanone	BDL	11.	BDL	10.	BDL	10.	BDL	10.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS52		ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-3		1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-12 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/24/91		10/24/91		10/24/91		10/24/91		10/24/91	
SDG number	2		2		2		2		2	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	≤.	∃DL	≤.	BDL	≤.	BDL	≤.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2701113

Sample ID	ABS57		ABS58		ABS59		ABS60		ABS61 (duplicate 62)	
Boring ID	1G-3		1G-3		1G-4		1G-4		2A-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/24/91		10/25/91		10/25/91		10/25/91		10/26/91	
SDG number	2		2		2		2		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Bromomethane	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Vinyl chloride	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Chloroethane	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Methylene chloride	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Acetone	16.		370.		38.		14.		180.	
Carbon disulfide	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1-dichloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1-dichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloroethene (total)	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Chloroform	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
2-butanone	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.

Sample ID	ABS57		ABS58		ABS59		ABS60		ABS61 (duplicate 62)	
Boring ID	1G-3		1G-3		1G-4		1G-4		2A-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/24/91		10/25/91		10/25/91		10/25/91		10/26/91	
SDG number	2		2		2		2		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Carbon tetrachloride	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Vinyl acetate	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Bromodichloromethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloropropane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
cis-1,3-dichloropropene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Trichloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Dibromochloromethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1,2-trichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Benzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
trans-1,3-dichloropropene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Bromoform	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
4-methyl-2-pentanone	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.

270114

Sample ID	ABS57		ABS58		ABS59		ABS60		ABS61 (duplicate 62)	
Boring ID	1G-3		1G-3		1G-4		1G-4		2A-1	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-7 feet	
Date analyzed	10/24/91		10/25/91		10/25/91		10/25/91		10/26/91	
SDG number	2		2		2		2		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-hexanone	BDL	10.	BDL	51.	BDL	10.	BDL	10.	BDL	13.
Tetrachloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1,2,2-tetrachloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Toluene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Chlorobenzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Ethylbenzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Styrene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Xylenes (total)	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.

Sample ID	ABS62		ABS62RE		ABS64		ABS65		ABS66	
Boring ID	2A-1		2A-1		1X-Z		1X-Z		2A-2	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91		10/17/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/26/91		10/28/91		10/25/91		10/26/91		10/26/91	
SDG number	3		3		2		3		3	
Matrix	Soil		Soil (rerun)		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Bromomethane	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Vinyl chloride	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Chloroethane	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Methylene chloride	BDL	5.	BDL	26.	BDL	5.	5.B		6.B	
Acetone	310.E		400.		43.		19.		74.	
Carbon disulfide	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1-dichloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1-dichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloroethene (total)	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Chloroform	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
2-butanone	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
1,1,1-trichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.

Sample ID	ABS62		ABS62RE		ABS64		ABS65		ABS66	
Boring ID	2A-1		2A-1		1X-Z		1X-Z		2A-2	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91		10/17/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/26/91		10/28/91		10/25/91		10/26/91		10/26/91	
SDG number	3		3		2		3		3	
Matrix	Soil		Soil (rerun)		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Vinyl acetate	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Bromodichloromethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,2-dichloropropane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
cis-1,3-dichloropropene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Trichloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Dibromochloromethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
1,1,2-trichloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Benzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
trans-1,3-dichloropropene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Bromoform	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
4-methyl-2-pentanone	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
2-hexanone	BDL	10.	BDL	52.	BDL	10.	BDL	10.	BDL	12.
Tetrachloroethene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.

Sample ID	ABS62		ABS62RE		ABS64		ABS65		ABS66	
Boring ID	2A-1		2A-1		1X-Z		1X-Z		2A-2	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91		10/17/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/26/91		10/28/91		10/25/91		10/26/91		10/26/91	
SDG number	3		3		2		3		3	
Matrix	Soil		Soil (rerun)		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Toluene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Chlorobenzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Ethylbenzene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Styrene	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.
Xylenes (total)	BDL	5.	BDL	26.	BDL	5.	BDL	5.	BDL	6.

270116

Sample ID	ABS67		ABS68		ABS70		ABS71 (duplicate 81)		ABS72	
Boring ID	2A-2		2A-3		2B-2		2C-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-7 feet		8-10 feet	
Date analyzed	10/26/91		10/26/91		10/26/91		10/26/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Bromomethane	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Vinyl chloride	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Chloroethane	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Methylene chloride	14.B		BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	160.		51.		26.		22.		31.	
Carbon disulfide	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.

Sample ID	ABS67		ABS68		ABS70		ABS71 (duplicate 81)		ABS72	
Boring ID	2A-2		2A-3		2B-2		2C-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-7 feet		8-10 feet	
Date analyzed	10/26/91		10/26/91		10/26/91		10/26/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,1-trichloroethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Carbon tetrachloride	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Bromodichloromethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.

270117

Sample ID	ABS67		ABS68		ABS70		ABS71 (duplicate 81)		ABS72	
Boring ID	2A-2		2A-3		2B-2		2C-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-7 feet		8-10 feet	
Date analyzed	10/26/91		10/26/91		10/26/91		10/26/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-hexanone	BDL	12.	BDL	11.	BDL	10.	BDL	11.	BDL	10.
Tetrachloroethene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2,2-tetrachloroethane	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	6.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS73		ABS74		ABS75		ABS76		ABS77	
Boring ID	2B-3		2B-3		2B-4		2B-4		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromomethane	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Vinyl chloride	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Chloroethane	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Acetone	40.		26.		33.		29.		62.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2701118

Sample ID	ABS73		ABS74		ABS75		ABS76		ABS77	
Boring ID	2B-3		2B-3		2B-4		2B-4		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
2-hexanone	BDL	11.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS73		ABS74		ABS75		ABS76		ABS77	
Boring ID	2B-3		2B-3		2B-4		2B-4		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/28/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

2-4 01119

Sample ID	ABS78		ABS79		ABS80		ABS81		ABS82	
Boring ID	2C-2		2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/29/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Chloromethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromomethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Vinyl chloride	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Chloroethane	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Methylene chloride	BDL	5.	BDL	5.	BDL	5.	16.		BDL	5.
Acetone	29.		29.		25.		64.		57.	
Carbon disulfide	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethene (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chloroform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
2-butanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
1,1,1-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS78		ABS79		ABS80		ABS81		ABS82	
Boring ID	2C-2		2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/29/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Carbon tetrachloride	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Vinyl acetate	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Bromodichloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,2-dichloropropane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
cis-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Trichloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Dibromochloromethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
1,1,2-trichloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Benzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
trans-1,3-dichloropropene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Bromoform	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
4-methyl-2-pentanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
2-hexanone	BDL	10.	BDL	10.	BDL	10.	BDL	11.	BDL	10.
Tetrachloroethene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

270120

Sample ID	ABS78		ABS79		ABS80		ABS81		ABS82	
Boring ID	2C-2		2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91		10/17/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date analyzed	10/28/91		10/28/91		10/28/91		10/28/91		10/29/91	
SDG number	3		3		3		3		3	
Matrix	Soil		Soil		Soil		Soil		Soil	
Volatile compound (EPA Method 8240)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
1,1,2,2-tetrachloroethane	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Toluene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Chlorobenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Ethylbenzene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Styrene	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.
Xylenes (total)	BDL	5.	BDL	5.	BDL	5.	BDL	5.	BDL	5.

Sample ID	ABS07		ABS08		ABS15		ABS19	
Boring ID	1A-3		1A-4		1B-3		1C-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/05/91		11/01/91		11/01/91		11/04/91	
SDG number	3		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
bis(2-chloroethoxy)methane	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2-chlorophenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
1,3-dichlorobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
1,4-dichlorobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Benzyl alcohol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
1,2-dichlorobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2-methylphenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-methylphenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
N-nitroso-di-n-propylamine	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Hexachloroethane	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Nitrobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.

270131

Sample ID	ABS07		ABS08		ABS15		ABS19	
Boring ID	1A-3		1A-4		1B-3		1C-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/05/91		11/01/91		11/01/91		11/04/91	
SDG number	3		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2-nitrophenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,4-dimethylphenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,4-dichlorophenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
1,2,4-trichlorobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Naphthalene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-chloroaniline	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Hexachlorobutadiene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-chloro-3-methylphenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2-methylnaphthalene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Hexachlorocyclopentadiene	BDL	700.	BDL	690.	BDL	660.	BDL	690.

Sample ID	ABS07		ABS08		ABS15		ABS19	
Boring ID	1A-3		1A-4		1B-3		1C-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/05/91		11/01/91		11/01/91		11/04/91	
SDG number	3		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
2-chloronaphthalene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
Dimethylphthalate	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Acenaphthylene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,6-dinitrotoluene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
Acenaphthene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,4-dinitrophenol	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
4-nitrophenol	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
Dibenzofuran	BDL	700.	BDL	690.	BDL	660.	BDL	690.
2,4-dinitrotoluene	BDL	700.	BDL	690.	BDL	660.	BDL	690.

270122

Sample ID	ABS07		ABS08		ABS15		ABS19	
Boring ID	1A-3		1A-4		1B-3		1C-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/05/91		11/01/91		11/01/91		11/04/91	
SDG number	3		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-chlorophenol-phenylether	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Fluorene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
N-nitrosodiphenylamine	BDL	700.	BDL	690.	BDL	660.	BDL	690.
4-bromophenyl-phenylether	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Hexachlorobenzene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Pentachlorophenol	BDL	3400.	BDL	3300.	BDL	3200.	BDL	3300.
Phenanthrene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Anthracene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Di-n-butylphthalate	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Fluoranthene	BDL	700.	BDL	690.	BDL	660.	BDL	690.

Sample ID	ABS07		ABS08		ABS15		ABS19	
Boring ID	1A-3		1A-4		1B-3		1C-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	8-10 feet		3-5 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/21/91		10/21/91		10/21/91	
Date analyzed	11/05/91		11/01/91		11/01/91		11/04/91	
SDG number	3		5		5		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Butylbenzylphthalate	BDL	700.	BDL	690.	BDL	660.	BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1300.	BDL	1400.
Benzo(a)anthracene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Chrysene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
bis(2-ethylhexyl)phthalate	240.BJ		210.B.J		190.B.J		1900.B	
Di-n-octylphthalate	BDL	700.	BDL	690.	BDL	660.	21000.E	
Benzo(b)fluoranthene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Benzo(k)fluoranthene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Benzo(a)pyrene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Dibenz(a,h)anthracene	BDL	700.	BDL	690.	BDL	660.	BDL	690.
Benzo(g,h,i)perylene	BDL	700.	BDL	690.	BDL	660.	BDL	690.

2701123

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/15/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
bis(2-chloroethoxy)methane	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2-chlorophenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
1,3-dichlorobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
1,4-dichlorobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Benzyl alcohol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
1,2-dichlorobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2-methylphenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-methylphenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
N-nitroso-di-n-propylamine	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Hexachloroethane	BDL	6900.	BDL	700.	BDL	690.	BDL	680.

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/16/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Nitrobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Isophorone	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2-nitrophenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4-dimethylphenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Benzoic acid	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4-dichlorophenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
1,2,4-trichlorobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Naphthalene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-chloroaniline	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Hexachlorobutadiene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-chloro-3-methylphenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.

270124

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/16/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2-methylnaphthalene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Hexachlorocyclopentadiene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4,6-trichlorophenol	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4,5-trichlorophenol	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2-nitroaniline	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Acenaphthylene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,6-dinitrotoluene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
3-nitroaniline	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4-dinitrophenol	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/16/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
4-nitrophenol	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
2,4-dinitrotoluene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Diethylphthalate	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-chlorophenol-phenylether	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Fluorene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-nitroaniline	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
4-bromophenyl-phenylether	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Hexachlorobenzene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Pentachlorophenol	BDL	33000.	BDL	3400.	BDL	3300.	BDL	3300.

270123

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/16/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenanthrene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Anthracene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Di-n-butylphthalate	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Fluoranthene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Pyrene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Butylbenzylphthalate	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
3,3-dichlorobenzidine	BDL	14000.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Chrysene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
bis(2-ethylhexyl)phthalate	810.BJD		360.BJ		93.BJ		550.BJ	
Di-n-octylphthalate	95000.D		BDL	700.	69.J		BDL	680.
Benzo(b)fluoranthene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.

Sample ID	ABS19RE		ABS21RE (duplicate 22) (suspect)		ABS22		ABS28RE (suspect)	
Boring ID	1C-1		1C-2		1C-2		1D-1	
Date collected	10/15/91		10/15/91		10/15/91		10/16/91	
Depth	3-5 feet		3-7 feet		3-7 feet		3-5 feet	
Date extracted	10/21/91		11/09/91		10/21/91		11/09/91	
Date analyzed	11/13/91		11/11/91		11/04/91		11/12/91	
SDG number	5		5		5		5	
Matrix	Soil (diluted 10 times)		Soil (rerun)		Soil		Soil (rerun)	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Benzo(k)fluoranthene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Benzo(a)pyrene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Dibenz(a,h)anthracene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.
Benzo(g,h,i)perylene	BDL	6900.	BDL	700.	BDL	690.	BDL	680.

270146

Sample ID	ABS29		ABS30		ABS31 (duplicate 32)		ABS32	
Boring ID	1D-1		1D-2		1D-2		1D-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
bis(2-chloroethoxy)methane	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2-chlorophenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
1,3-dichlorobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
1,4-dichlorobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzyl alcohol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
1,2-dichlorobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2-methylphenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-methylphenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
N-nitroso-di-n-propylamine	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Hexachloroethane	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Nitrobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.

Sample ID	ABS29		ABS30		ABS31 (duplicate 32)		ABS32	
Boring ID	1D-1		1D-2		1D-2		1D-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2-nitrophenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,4-dimethylphenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,4-dichlorophenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
1,2,4-trichlorobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Naphthalene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-chloroaniline	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Hexachlorobutadiene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-chloro-3-methylphenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2-methylnaphthalene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Hexachlorocyclopentadiene	BDL	690.	BDL	690.	BDL	690.	BDL	690.

270137

Sample ID	ABS29		ABS30		ABS31 (duplicate 32)		ABS32	
Boring ID	1D-1		1D-2		1D-2		1D-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Acenaphthylene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,6-dinitrotoluene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,4-dinitrophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	690.	BDL	690.	BDL	690.
2,4-dinitrotoluene	BDL	690.	BDL	690.	BDL	690.	BDL	690.

Sample ID	ABS29		ABS30		ABS31 (duplicate 32)		ABS32	
Boring ID	1D-1		1D-2		1D-2		1D-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-chlorophenol-phenylether	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Fluorene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	690.	BDL	690.	BDL	690.
4-bromophenyl-phenylether	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Hexachlorobenzene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Pentachlorophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Anthracene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Di-n-butylphthalate	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Fluoranthene	BDL	690.	BDL	690.	BDL	690.	BDL	690.

270123

Sample ID	ABS29		ABS30		ABS31 (duplicate 32)		ABS32	
Boring ID	1D-1		1D-2		1D-2		1D-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Butylbenzylphthalate	BDL	690.	BDL	690.	BDL	690.	BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Chrysene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
bis(2-ethylhexyl)phthalate	BDL	690.	510.J		BDL	690.	530.J	
Di-n-octylphthalate	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzo(b)fluoranthene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzo(k)fluoranthene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzo(a)pyrene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Dibenz(a,h)anthracene	BDL	690.	BDL	690.	BDL	690.	BDL	690.
Benzo(g,h,i)perylene	BDL	690.	BDL	690.	BDL	690.	BDL	690.

Sample ID	ABS33		ABS34RE		ABS35		ABS36	
Boring ID	1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		11/09/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/11/91		11/07/91		11/0 //91	
SDG number	4		4		4		4	
Matrix	Soil		Soil (rerun)		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
bis(2-chloroethoxy)methane	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2-chlorophenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
1,3-dichlorobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
1,4-dichlorobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzyl alcohol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
1,2-dichlorobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2-methylphenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-methylphenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
N-nitroso-di-n-propylamine	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Hexachloroethane	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Nitrobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.

270120

Sample ID	ABS33		ABS34RE		ABS35		ABS36	
Boring ID	1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		11/09/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/11/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil (rerun)		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2-nitrophenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,4-dimethylphenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzoic acid	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,4-dichlorophenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
1,2,4-trichlorobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Naphthalene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-chloroaniline	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Hexachlorobutadiene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-chloro-3-methylphenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2-methylnaphthalene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Hexachlorocyclopentadiene	BDL	690.	BDL	690.	BDL	710.	BDL	690.

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Sample ID	ABS33		ABS34RE		ABS35		ABS36	
Boring ID	1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		11/09/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/11/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil (rerun)		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,4,5-trichlorophenol	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2-nitroaniline	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Acenaphthylene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,6-dinitrotoluene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
3-nitroaniline	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
Acenaphthene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,4-dinitrophenol	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	690.	BDL	710.	BDL	690.
2,4-dinitrotoluene	BDL	690.	BDL	690.	BDL	710.	BDL	690.

2701190

Sample ID	ABS33		ABS34RE		ABS35		ABS36	
Boring ID	1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		11/09/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/11/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil (rerun)		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-chlorophenol-phenylether	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Fluorene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-nitroaniline	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	690.	BDL	710.	BDL	690.
4-bromophenyl-phenylether	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Hexachlorobenzene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Pentachlorophenol	BDL	3300.	BDL	3300.	BDL	3500.	BDL	3300.
Phenanthrene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Anthracene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Di-n-butylphthalate	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Fluoranthene	BDL	690.	BDL	690.	BDL	710.	BDL	690.

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Sample ID	ABS33		ABS34RE		ABS35		ABS36	
Boring ID	1D-3		1D-3		1D-4		1D-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		11/09/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/11/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil (rerun)		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Butylbenzylphthalate	BDL	690.	BDL	690.	BDL	710.	BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Chrysene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
bis(2-ethylhexyl)phthalate	75.J		760.B		720.		BDL	690.
Di-n-octylphthalate	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzo(b)fluoranthene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzo(k)fluoranthene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzo(a)pyrene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Dibenz(a,h)anthracene	BDL	690.	BDL	690.	BDL	710.	BDL	690.
Benzo(g,h,i)perylene	BDL	690.	BDL	690.	BDL	710.	BDL	690.

2701131

Sample ID	ABS37		ABS38		ABS39		ABS40	
Boring ID	1E-1		1E-1		1E-2		1E-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
bis(2-chloroethoxy)methane	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2-chlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
1,3-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
1,4-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzyl alcohol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
1,2-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
N-nitroso-di-n-propylamine	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Hexachloroethane	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Nitrobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.

Sample ID	ABS37		ABS38		ABS39		ABS40	
Boring ID	1E-1		1E-1		1E-2		1E-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2-nitrophenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,4-dimethylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzoic acid	BDL	3300	BDL	3300	BDL	3300	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,4-dichlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
1,2,4-trichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Naphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-chloroaniline	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Hexachlorobutadiene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-chloro-3-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2-methylnaphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Hexachlorocyclopentadiene	BDL	690.	BDL	680.	BDL	690.	BDL	680.

2701132

Sample ID	ABS37		ABS38		ABS39		ABS40	
Boring ID	1E-1		1E-1		1E-2		1E-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,4,5-trichlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Acenaphthylene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,6-dinitrotoluene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
3-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,4-dinitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	680.	BDL	690.	BDL	680.
2,4-dinitrotoluene	BDL	690.	BDL	680.	BDL	690.	BDL	680.

Sample ID	ABS37		ABS38		ABS39		ABS40	
Boring ID	1E-1		1E-1		1E-2		1E-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-chlorophenol-phenylether	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Fluorene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	680.	BDL	690.	BDL	680.
4-bromophenyl-phenylether	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Hexachlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Pentachlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Di-n-butylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	680.

2701083

Sample ID	ABS37		ABS38		ABS39		ABS40	
Boring ID	1E-1		1E-1		1E-2		1E-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Butylbenzylphthalate	BDL	690.	BDL	680.	180.J		BDL	680.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Chrysene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
bis(2-ethylhexyl)phthalate	630.J		110.J		180.J		160.J	
Di-n-octylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzo(b)fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzo(k)fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzo(a)pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Dibenz(a,h)anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	680.
Benzo(g,h,i)perylene	BDL	690.	BDL	680.	BDL	690.	BDL	680.

Sample ID	ABS41 (duplicate 42)		ABS42		ABS43		ABS44	
Boring ID	1E-3		1E-3		1E-3		1E-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
bis(2-chloroethoxy)methane	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2-chlorophenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
1,3-dichlorobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
1,4-dichlorobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzyl alcohol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
1,2-dichlorobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2-methylphenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-methylphenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
N-nitroso-di-n-propylamine	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Hexachloroethane	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Nitrobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.

2701134

Sample ID	ABS41 (duplicate 42)		ABS42		ABS43		ABS44	
Boring ID	1E-3		1E-3		1E-3		1E-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2-nitrophenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,4-dimethylphenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,4-dichlorophenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
1,2,4-trichlorobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Naphthalene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-chloroaniline	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Hexachlorobutadiene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-chloro-3-methylphenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2-methylnaphthalene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Hexachlorocyclopentadiene	BDL	710.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS41 (duplicate 42)		ABS42		ABS43		ABS44	
Boring ID	1E-3		1E-3		1E-3		1E-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Acenaphthylene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,6-dinitrotoluene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,4-dinitrophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	710.	BDL	690.	BDL	680.	BDL	680.
2,4-dinitrotoluene	BDL	710.	BDL	690.	BDL	680.	BDL	680.

2701135

Sample ID	ABS41 (duplicate 42)		ABS42		ABS43		ABS44	
Boring ID	1E-3		1E-3		1E-3		1E-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-chlorophenol-phenylether	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Fluorene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	710.	BDL	690.	BDL	680.	BDL	680.
4-bromophenyl-phenylether	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Hexachlorobenzene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Pentachlorophenol	BDL	3400.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Anthracene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Di-n-butylphthalate	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Fluoranthene	BDL	710.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS41 (duplicate 42)		ABS42		ABS43		ABS44	
Boring ID	1E-3		1E-3		1E-3		1E-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/07/91		11/07/91		11/07/91	
SDG number	4		4		4		4	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Butylbenzylphthalate	BDL	710.	BDL	690.	BDL	680.	BDL	680.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Chrysene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
bis(2-ethylhexyl)phthalate	260.J		210.J		500.J		140.J	
Di-n-octylphthalate	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzo(b)fluoranthene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzo(k)fluoranthene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzo(a)pyrene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Dibenz(a,h)anthracene	BDL	710.	BDL	690.	BDL	680.	BDL	680.
Benzo(g,h,i)perylene	BDL	710.	BDL	690.	BDL	680.	BDL	680.

270036

Sample ID	ABS45		ABS46		ABS47		ABS48	
Boring ID	1E-4		1F-1		1F-1		1F-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/06/91	
SDG number	4		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
bis(2-chloroethoxy)methane	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2-chlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
1,3-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
1,4-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzyl alcohol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
1,2-dichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
N-nitroso-di-n-propylamine	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Hexachloroethane	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Nitrobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.

Sample ID	ABS45		ABS46		ABS47		ABS48	
Boring ID	1E-4		1F-1		1F-1		1F-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/06/91	
SDG number	4		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2-nitrophenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,4-dimethylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzoic acid	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,4-dichlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
1,2,4-trichlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Naphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-chloroaniline	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Hexachlorobutadiene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-chloro-3-methylphenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2-methylnaphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Hexachlorocyclopentadiene	BDL	690.	BDL	680.	BDL	690.	BDL	690.

270137

Sample ID	ABS45		ABS46		ABS47		ABS48	
Boring ID	1E-4		1F-1		1F-1		1F-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/06/91	
SDG number	4		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,4,5-trichlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Acenaphthylene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,6-dinitrotoluene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
3-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,4-dinitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	680.	BDL	690.	BDL	690.
2,4-dinitrotoluene	BDL	690.	BDL	680.	BDL	690.	BDL	690.

Sample ID	ABS45		ABS46		ABS47		ABS48	
Boring ID	1E-4		1F-1		1F-1		1F-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/06/91	
SDG number	4		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-chlorophenol-phenylether	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Fluorene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	680.	BDL	690.	BDL	690.
4-bromophenyl-phenylether	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Hexachlorobenzene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Pentachlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Di-n-butylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	690.

2701133

Sample ID	ABS45		ABS46		ABS47		ABS48	
Boring ID	1E-4		1F-1		1F-1		1F-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-10 feet		3-5 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/07/91		11/05/91		11/05/91		11/06/91	
SDG number	4		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Butylbenzylphthalate	BDL	690.	BDL	680.	230.J		BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Chrysene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
bis(2-ethylhexyl)phthalate	BDL	690.	480.BJ		120.BJ		150.BJ	
Di-n-octylphthalate	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzo(b)fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzo(k)fluoranthene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzo(a)pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Dibenz(a,h)anthracene	BDL	690.	BDL	680.	BDL	690.	BDL	690.
Benzo(g,h,i)perylene	BDL	690.	BDL	680.	BDL	690.	BDL	690.

Sample ID	ABS49		ABS50		ABS51 (duplicate 52)		ABS5^	
Boring ID	1F-2		1F-3		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
bis(2-chloroethoxy)methane	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2-chlorophenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
1,3-dichlorobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
1,4-dichlorobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzyl alcohol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
1,2-dichlorobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2-methylphenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-methylphenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
N-nitroso-di-n-propylamine	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Hexachloroethane	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Nitrobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.

2701139

Sample ID	ABS49		ABS50		ABS51 (duplicate 52)		ABS52	
Boring ID	1F-2		1F-3		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2-nitrophenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,4-dimethylphenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,4-dichlorophenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
1,2,4-trichlorobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Naphthalene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-chloroaniline	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Hexachlorobutadiene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-chloro-3-methylphenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2-methylnaphthalene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Hexachlorocyclopentadiene	BDL	690.	BDL	690.	BDL	700.	BDL	700.

Sample ID	ABS49		ABS50		ABS51 (duplicate 52)		ABS52	
Boring ID	1F-2		1F-3		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
2-chloronaphthalene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
Dimethylphthalate	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Acenaphthylene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,6-dinitrotoluene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
Acenaphthene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,4-dinitrophenol	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
4-nitrophenol	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
Dibenzofuran	BDL	690.	BDL	690.	BDL	700.	BDL	700.
2,4-dinitrotoluene	BDL	690.	BDL	690.	BDL	700.	BDL	700.

Sample ID	ABS49		ABS50		ABS51 (duplicate 52)		ABS52	
Boring ID	1F-2		1F-3		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-chlorophenol-phenylether	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Fluorene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
N-nitrosodiphenylamine	BDL	690.	BDL	690.	BDL	700.	BDL	700.
4-bromophenyl-phenylether	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Hexachlorobenzene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Pentachlorophenol	BDL	3400.	BDL	3300.	BDL	3400.	BDL	3400.
Phenanthrene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Anthracene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Di-n-butylphthalate	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Fluoranthene	BDL	690.	BDL	690.	BDL	700.	BDL	700.

Sample ID	ABS49		ABS50		ABS51 (duplicate 52)		ABS52	
Boring ID	1F-2		1F-3		1F-3		1F-3	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	8-10 feet		3-5 feet		8-12 feet		8-12 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06,91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Butylbenzylphthalate	BDL	690.	BDL	690.	BDL	700.	BDL	700.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Chrysene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
bis(2-ethylhexyl)phthalate	460.BJ		280.BJ		510.BJ		79.BJ	
Di-n-octylphthalate	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzo(b)fluoranthene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzo(k)fluoranthene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzo(a)pyrene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Dibenz(a,h)anthracene	BDL	690.	BDL	690.	BDL	700.	BDL	700.
Benzo(g,h,i)perylene	BDL	690.	BDL	690.	BDL	700.	BDL	700.

Sample ID	ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
bis(2-chloroethoxy)methane	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2-chlorophenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
1,3-dichlorobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
1,4-dichlorobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzyl alcohol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
1,2-dichlorobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2-methylphenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-methylphenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
N-nitroso-di-n-propylamine	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Hexachloroethane	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Nitrobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2-nitrophenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,4-dimethylphenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzoic acid	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,4-dichlorophenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
1,2,4-trichlorobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Naphthalene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-chloroaniline	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Hexachlorobutadiene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-chloro-3-methylphenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2-methylnaphthalene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Hexachlorocyclopentadiene	BDL	690.	BDL	690.	BDL	680.	BDL	680.

270142

Sample ID	ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,4,5-trichlorophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Acenaphthylene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,6-dinitrotoluene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
3-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,4-dinitrophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	690.	BDL	680.	BDL	680.
2,4-dinitrotoluene	BDL	690.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-chlorophenol-phenylether	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Fluorene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	690.	BDL	680.	BDL	680.
4-bromophenyl-phenylether	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Hexachlorobenzene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Pentachlorophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Anthracene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Di-n-butylphthalate	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Fluoranthene	BDL	690.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS53		ABS54		ABS55		ABS56	
Boring ID	1F-4		1F-4		1G-2		1G-2	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/30/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	3		3		3		3	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Butylbenzylphthalate	BDL	690.	BDL	690.	BDL	680.	BDL	680.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Chrysene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
bis(2-ethylhexyl)phthalate	440.BJ		390.BJ		220.BJ		510.BJ	
Di-n-octylphthalate	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzo(b)fluoranthene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzo(k)fluoranthene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzo(a)pyrene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Dibenz(a,h)anthracene	BDL	690.	BDL	690.	BDL	680.	BDL	680.
Benzo(g,h,i)perylene	BDL	690.	BDL	690.	BDL	680.	BDL	680.

Sample ID	ABS57		ABS58		ABS59		ABS60	
Boring ID	1G-3		1G-3		1G-4		1G-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/21/91	
Date analyzed	11/06/91		11/07/91		11/07/91		11/04/91	
SDG number	3		3		3		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
bis(2-chloroethoxy)methane	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2-chlorophenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
1,3-dichlorobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
1,4-dichlorobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzyl alcohol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
1,2-dichlorobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2-methylphenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
bis(2-chloroisopropyl)ether	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-methylphenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
N-nitroso-di-n-propylamine	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Hexachloroethane	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Nitrobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.

Sample ID	ABS57		ABS58		ABS59		ABS60	
Boring ID	1G-3		1G-3		1G-4		1G-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/21/91	
Date analyzed	11/06/91		11/07/91		11/07/91		11/04/91	
SDG number	3		3		3		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2-nitrophenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,4-dimethylphenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzoic acid	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
bis(2-chloroisopropyl)ether	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,4-dichlorophenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
1,2,4-trichlorobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Naphthalene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-chloroaniline	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Hexachlorobutadiene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-chloro-3-methylphenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2-methylnaphthalene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Hexachlorocyclopentadiene	BDL	670.	BDL	680.	BDL	680.	BDL	670.

Sample ID	ABS57		ABS58		ABS59		ABS60	
Boring ID	1G-3		1G-3		1G-4		1G-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/21/91	
Date analyzed	11/06/91		11/07/91		11/07/91		11/04/91	
SDG number	3		3		3		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,4,5-trichlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
2-chloronaphthalene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
Dimethylphthalate	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Acenaphthylene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,6-dinitrotoluene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
3-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
Acenaphthene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,4-dinitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
4-nitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
Dibenzofuran	BDL	670.	BDL	680.	BDL	680.	BDL	670.
2,4-dinitrotoluene	BDL	670.	BDL	680.	BDL	680.	BDL	670.

270143

Sample ID	ABS57		ABS58		ABS59		ABS60	
Boring ID	1G-3		1G-3		1G-4		1G-4	
Date collected	[illegible]/16/91		10/16/91		10/16/91		10/16/91	
Depth			[illegible]		3-5 feet		8-10 feet	
Date extracted	10/30/91		[illegible]		10/30/91		10/21/91	
Date analyzed	[illegible]		11/07/91		11/07/91		11/04/91	
SDG number	3		3		3		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-chlorophenol-phenylether	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Fluorene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
N-nitrosodiphenylamine	BDL	670.	BDL	680.	BDL	680.	BDL	670.
4-bromophenyl-phenylether	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Hexachlorobenzene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Pentachlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3200.
Phenanthrene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Anthracene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Di-n-butylphthalate	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Fluoranthene	BDL	670.	BDL	680.	BDL	680.	BDL	670.

Sample ID	ABS57		ABS58		ABS59		ABS60	
Boring ID	1G-3		1G-3		1G-4		1G-4	
Date collected	10/16/91		10/16/91		10/16/91		10/16/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/30/91		10/30/91		10/30/91		10/21/91	
Date analyzed	11/06/91		11/07/91		11/07/91		11/04/91	
SDG number	3		3		3		5	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Butylbenzylphthalate	BDL	670.	BDL	680.	BDL	680.	BDL	670.
3,3-dichlorobenzidine	BDL	1300.	BDL	1400.	BDL	1400.	BDL	1300.
Benzo(a)anthracene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Chrysene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
bis(2-ethylhexyl)phthalate	270.BJ		110.BJ		180.BJ		170.BJ	
Di-n-octylphthalate	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzo(b)fluoranthene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzo(k)fluoranthene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzo(a)pyrene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Indeno(1,2,3-c,d)pyrene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Dibenz(a,h)anthracene	BDL	670.	BDL	680.	BDL	680.	BDL	670.
Benzo(g,h,i)perylene	BDL	670.	BDL	680.	BDL	680.	BDL	670.

2701146

Sample ID	ABS61 (duplicate 62)		ABS62		ABS64RE (suspect)		ABS65	
Boring ID	2A-1		2A-1		1X-Z		1X-Z	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet	
Date extracted	10/23/91		10/23/91		11/09/91		10/21/91	
Date analyzed	11/01/91		11/05/91		11/13/91		11/04/91	
SDG number	3		3		5		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
bis(2-chloroethoxy)methane	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2-chlorophenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
1,3-djchlorobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
1,4-dichlorobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzyl alcohol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
1,2-dichlorobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2-methylphenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-methylphenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
N-nitroso-di-n-propylamine	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Hexachloroethane	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Nitrobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.

Sample ID	ABS61 (duplicate 62)		ABS62		ABS64RE (suspect)		ABS65	
Boring ID	2A-1		2A-1		1X-Z		1X-Z	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet	
Date extracted	10/23/91		10/23/91		11/09/91		10/21/91	
Date analyzed	11/01/91		11/05/91		11/13/91		11/04/91	
SDG number	3		3		5		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2-nitrophenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,4-dimethylphenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzoic acid	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,4-dichlorophenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
1,2,4-trichlorobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Naphthalene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-chloroaniline	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Hexachlorobutadiene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-chloro-3-methylphenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2-methylnaphthalene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Hexachlorocyclopentadiene	BDL	830.	BDL	080.	BDL	680.	BDL	680.

270147

Sample ID	ABS61 (duplicate 62)		ABS62		ABS64RE (suspect)		ABS65	
Boring ID	2A-1		2A-1		1X-Z		1X-Z	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet	
Date extracted	10/23/91		10/23/91		11/09/91		10/21/91	
Date analyzed	11/01/91		11/05/91		11/13/91		11/04/91	
SDG number	3		3		5		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,4,5-trichlorophenol	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2-nitroaniline	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Acenaphthylene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,6-dinitrotoluene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
3-nitroaniline	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,4-dinitrophenol	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	830.	BDL	680.	BDL	680.	BDL	680.
2,4-dinitrotoluene	BDL	830.	BDL	680.	BDL	680.	BDL	680.

Sample ID	ABS61 (duplicate 62)		ABS62		ABS64RE (suspect)		ABS65	
Boring ID	2A-1		2A-1		1X-Z		1X-Z	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet	
Date extracted	10/23/91		10/23/91		11/09/91		10/21/91	
Date analyzed	11/01/91		11/05/91		11/13/91		11/04/91	
SDG number	3		3		5		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-chlorophenol-phenylether	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Fluorene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-nitroaniline	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	830.	BDL	680.	BDL	680.	BDL	680.
4-bromo phenyl-phenylether	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Hexachlorobenzene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Pentachlorophenol	BDL	4000.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Anthracene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Di-n-butylphthalate	BDL	830.	BDL	680.	300.BJ		BDL	680.
Fluoranthene	BDL	830.	BDL	680.	BDL	680.	BDL	680.

Sample ID	ABS61 (duplicate 62)		ABS62		ABS64RE (suspect)		ABS65	
Boring ID	2A-1		2A-1		1X-Z		1X-Z	
Date collected	10/17/91		10/17/91		10/16/91		10/16/91	
Depth	3-7 feet		3-7 feet		3-5 feet		8-10 feet	
Date extracted	10/23/91		10/23/91		11/09/91		10/21/91	
Date analyzed	11/01/91		11/05/91		11/13/91		11/04/91	
SDG number	3		3		5		5	
Matrix	Soil		Soil		Soil (rerun)		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Butylbenzylphthalate	BDL	830.	BDL	680.	BDL	680.	BDL	680.
3,3-dichlorobenzidine	BDL	1700.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Chrysene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
bis(2-ethylhexyl)phthalate	140.BJ		250.BJ		960.B		280.BJ	
Di-n-octylphthalate	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzo(b)fluoranthene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzo(k)fluoranthene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzo(a)pyrene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Dibenz(a,h)anthracene	BDL	830.	BDL	680.	BDL	680.	BDL	680.
Benzo(g,h,i)perylene	BDL	830.	BDL	680.	BDL	680.	BDL	680.

Sample ID	ABS66		ABS67		ABS68		ABS70	
Boring ID	2A-2		2A-2		2A-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/23/91		10/23/91		10/28/91	
Date analyzed	11/01/91		11/05/91		11/05/91		11/05/91	
SDG number	3		3		3		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
bis(2-chloroethoxy)methane	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2-chlorophenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
1,3-dichlorobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
1,4-dichlorobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzyl alcohol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
1,2-dichlorobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2-methylphenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-methylphenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
N-nitroso-di-n-propylamine	BDL	790.	BDI	810.	BDL	700.	BDL	690.
Hexachloroethane	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Nitrobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.

270149

Sample ID	ABS66		ABS67		ABS68		ABS70	
Boring ID	2A-2		2A-2		2A-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/23/91		10/23/91		10/28/91	
Date analyzed	11/01/91		11/05/91		11/05/91		11/05/91	
SDG number	3		3		3		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2-nitrophenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,4-dimethylphenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzoic acid	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
bis(2-chloroisopropyl)ether	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,4-dichlorophenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
1,2,4-trichlorobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Naphthalene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-chloroaniline	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Hexachlorobutadiene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-chloro-3-methylphenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2-methylnaphthalene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Hexachlorocyclopentadiene	BDL	790.	BDL	810.	BDL	700.	BDL	690.

Sample ID	ABS66		ABS67		ABS68		ABS70	
Boring ID	2A-2		2A-2		2A-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/23/91		10/23/91		10/28/91	
Date analyzed	11/01/91		11/05/91		11/05/91		11/05/91	
SDG number	3		3		3		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,4,5-trichlorophenol	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
2-chloronaphthalene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2-nitroaniline	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
Dimethylphthalate	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Acenaphthylene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,6-dinitrotoluene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
3-nitroaniline	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
Acenaphthene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,4-dinitrophenol	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
4-nitrophenol	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
Dibenzofuran	BDL	790.	BDL	810.	BDL	700.	BDL	690.
2,4-dinitrotoluene	BDL	790.	BDL	810.	BDL	700.	BDL	690.

2701150

Sample ID	ABS66		ABS67		ABS68		ABS70	
Boring ID	2A-2		2A-2		2A-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/23/91		10/23/91		10/28/91	
Date analyzed	11/01/91		11/05/91		11/05/91		11/05/91	
SDG number	3		3		3		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-chlorophenol-phenylether	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Fluorene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-nitroaniline	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
4,6-dinitro-2-methylphenol	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
N-nitrosodiphenylamine	BDL	790.	BDL	810.	BDL	700.	BDL	690.
4-bromophenyl-phenylether	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Hexachlorobenzene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Pentachlorophenol	BDL	3800.	BDL	3900.	BDL	3400.	BDL	3400.
Phenanthrene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Anthracene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Di-n-butylphthalate	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Fluoranthene	BDL	790.	BDL	810.	BDL	700.	BDL	690.

Sample ID	ABS66		ABS67		ABS68		ABS70	
Boring ID	2A-2		2A-2		2A-3		2B-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		3-5 feet	
Date extracted	10/23/91		10/23/91		10/23/91		10/28/91	
Date analyzed	11/01/91		11/05/91		11/05/91		11/05/91	
SDG number	3		3		3		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Butylbenzylphthalate	BDL	790.	BDL	810.	BDL	700.	BDL	690.
3,3-dichlorobenzidine	BDL	1600.	BDL	1600.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Chrysene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
bis(2-ethylhexyl)phthalate	120.BJ		170.BJ		150.BJ		640.BJ	
Di-n-octylphthalate	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzo(b)fluoranthene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzo(k)fluoranthene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzo(a)pyrene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Dibenz(a,h)anthracene	BDL	790.	BDL	810.	BDL	700.	BDL	690.
Benzo(g,h,i)perylene	BDL	790.	BDL	810.	BDL	700.	BDL	690.

2701151

Sample ID	ABS71 (duplicate 81)		ABS72		ABS73		ABS74	
Boring ID	2C-3		2B-2		2B-3		2B-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/05/91		11/05/91		11/05/91		11/05/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
bis(2-chloroethoxy)methane	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2-chlorophenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
1,3-dichlorobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
1,4-dichlorobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzyl alcohol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
1,2-dichlorobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2-methylphenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-methylphenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
N-nitroso-di-n-propylamine	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Hexachloroethane	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Nitrobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.

Sample ID	ABS71 (duplicate 81)		ABS72		ABS73		ABS74	
Boring ID	2C-3		2B-2		2B-3		2B-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/05/91		11/05/91		11/05/91		11/05/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2-nitrophenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,4-dimethylphenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzoic acid	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,4-dichlorophenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
1,2,4-trichlorobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Naphthalene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-chloroaniline	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Hexachlorobutadiene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-chloro-3-methylphenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2-methylnaphthalene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Hexachlorocyclopentadiene	BDL	710.	BDL	680.	BDL	720.	BDL	680.

2701152

Sample ID	ABS71 (duplicate 81)		ABS72		ABS73		ABS74	
Boring ID	2C-3		2B-2		2B-3		2B-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/05/91		11/05/91		11/05/91		11/05/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,4,5-trichlorophenol	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
2-chloronaphthalene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2-nitroaniline	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
Dimethylphthalate	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Acenaphthylene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,6-dinitrotoluene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
3-nitroaniline	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
Acenaphthene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,4-dinitrophenol	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
4-nitrophenol	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
Dibenzofuran	BDL	710.	BDL	680.	BDL	720.	BDL	680.
2,4-dinitrotoluene	BDL	710.	BDL	680.	BDL	720.	BDL	680.

Sample ID	ABS71 (duplicate 81)		ABS72		ABS73		ABS74	
Boring ID	2C-3		2B-2		2B-3		2B-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/05/91		11/05/91		11/05/91		11/05/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-chlorophenol-phenylether	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Fluorene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-nitroaniline	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
N-nitrosodiphenylamine	BDL	710.	BDL	680.	BDL	720.	BDL	680.
4-bromophenyl-phenylether	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Hexachlorobenzene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Pentachlorophenol	BDL	3400.	BDL	3300.	BDL	3500.	BDL	3300.
Phenanthrene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Anthracene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Di-n-butylphthalate	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Fluoranthene	BDL	710.	BDL	680.	BDL	720.	BDL	680.

270133

Sample ID	ABS71 (duplicate 81)		ABS72		ABS73		ABS74	
Boring ID	2C-3		2B-2		2B-3		2B-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-7 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/05/91		11/05/91		11/05/91		11/05/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Butylbenzylphthalate	BDL	710.	BDL	680.	BDL	720.	BDL	680.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Chrysene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
bis(2-ethylhexyl)phthalate	190.BJ		360.BJ		140.BJ		360.BJ	
Di-n-octylphthalate	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzo(b)fluoranthene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzo(k)fluoranthene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzo(a)pyrene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Indeno(1,2,3-c,d)pyrene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Dibenz(a,h)anthracene	BDL	710.	BDL	680.	BDL	720.	BDL	680.
Benzo(g,h,i)perylene	BDL	710.	BDL	680.	BDL	720.	BDL	680.

Sample ID	ABS75		ABS76		ABS77		ABS78	
Boring ID	2B-4		2B-4		2C-2		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
bis(2-chloroethoxy)methane	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2-chlorophenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
1,3-dichlorobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
1,4-dichlorobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Benzyl alcohol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
1,2-dichlorobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2-methylphenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-methylphenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
N-nitroso-di-n-propylamine	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Hexachloroethane	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Nitrobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.

270154

Sample ID	ABS75		ABS76		ABS77		ABS78	
Boring ID	2B-4		2B-4		2C-2		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2-nitrophenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,4-dimethylphenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Benzoic acid	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,4-dichlorophenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
1,2,4-trichlorobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Naphthalene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-chloroaniline	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Hexachlorobutadiene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-chloro-3-methylphenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2-methylnaphthalene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Hexachlorocyclopentadiene	BDL	690.	BDL	710.	BDL	690.	BDL	690.

Sample ID	ABS75		ABS76		ABS77		ABS78	
Boring ID	2B-4		2B-4		2C-2		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,4,5-trichlorophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Acenaphthylene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,6-dinitrotoluene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
3-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,4-dinitrophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	690.	BDL	710.	BDL	690.	BDL	690.
2,4-dinitrotoluene	BDL	690.	BDL	710.	BDL	690.	BDL	690.

270153

Sample ID	ABS75		ABS76		ABS77		ABS78	
Boring ID	2B-4		2B-4		2C-2		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-chlorophenol-phenylether	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Fluorene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-nitroaniline	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	690.	BDL	710.	BDL	690.	BDL	690.
4-bromophenyl-phenylether	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Hexachlorobenzene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Pentachlorophenol	BDL	3300.	BDL	3400.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Anthracene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Di-n-butylphthalate	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Fluoranthene	BDL	690.	BDL	710.	BDL	690.	120.J	

Sample ID	ABS75		ABS76		ABS77		ABS78	
Boring ID	2B-4		2B-4		2C-2		2C-2	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-5 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG number	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL	Result (μg/kg)	CRDL
Pyrene	BDL	690.	BDL	710.	BDL	690.	85.J	
Butylbenzylphthalate	BDL	690.	BDL	710.	BDL	690.	BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Chrysene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
bis(2-ethylhexyl)phthalate	660.BJ		BDL	710.	480.BJ		250.BJ	
Di-n-octylphthalate	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Benzo(b)fluoranthene	BDL	690.	BDL	710.	BDL	690.	64.J	
Benzo(k)fluoranthene	BDL	690.	BDL	710.	BDL	690.	95.J	
Benzo(a)pyrene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Dibenz(a,h)anthracene	BDL	690.	BDL	710.	BDL	690.	BDL	690.
Benzo(g,h,i)perylene	BDL	690.	BDL	710.	BDL	690.	BDL	690.

2701Ce

Sample ID	ABS79		ABS80		ABS81		ABS82	
Boring ID	2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-7 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Phenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
bis(2-chloroethoxy)methane	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2-chlorophenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
1,3-dichlorobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
1,4-dichlorobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Benzyl alcohol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
1,2-dichlorobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2-methylphenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
bis(2-chloroisopropyl)ether	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-methylphenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
N-nitroso-di-n-propylamine	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Hexachloroethane	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Nitrobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.

Sample ID	ABS79		ABS80		ABS81		ABS82	
Boring ID	2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-7 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Isophorone	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2-nitrophenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2,4-dimethylphenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Benzoic acid	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
bis(2-chloroisopropyl)ether	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2,4-dichlorophenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
1,2,4-trichlorobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Naphthalene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-chloroaniline	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Hexachlorobutadiene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-chloro-3-methylphenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2-methylnaphthalene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Hexachlorocyclopentadiene	BDL	680.	BDL	680.	BDL	690.	BDL	690.

270157

Sample ID	ABS79		ABS80		ABS81		ABS82	
Boring ID	2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-7 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
2,4,6-trichlorophenol	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2,4,5-trichlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
2-chloronaphthalene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dimethylphthalate	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Acenaphthylene	BDL	680.	BDL	680.	BDL	690.	92.J	
2,6-dinitrotoluene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
3-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Acenaphthene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2,4-dinitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4-nitrophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Dibenzofuran	BDL	680.	BDL	680.	BDL	690.	BDL	690.
2,4-dinitrotoluene	BDL	680.	BDL	680.	BDL	690.	BDL	690.

Sample ID	ABS79		ABS80		ABS81		ABS82	
Boring ID	2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-7 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Diethylphthalate	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-chlorophenol-phenylether	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Fluorene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-nitroaniline	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
4,6-dinitro-2-methylphenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
N-nitrosodiphenylamine	BDL	680.	BDL	680.	BDL	690.	BDL	690.
4-bromophenyl-phenylether	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Hexachlorobenzene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Pentachlorophenol	BDL	3300.	BDL	3300.	BDL	3300.	BDL	3300.
Phenanthrene	BDL	680.	270.J		BDL	690.	BDL	690.
Anthracene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Di-n-butylphthalate	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Fluoranthene	BDL	680.	310.J		BDL	690.	BDL	690.

2701153

Sample ID	ABS79		ABS80		ABS81		ABS82	
Boring ID	2Y-Z		2Y-Z		2C-3		2C-3	
Date collected	10/17/91		10/17/91		10/17/91		10/17/91	
Depth	3-5 feet		8-10 feet		3-7 feet		8-10 feet	
Date extracted	10/28/91		10/28/91		10/28/91		10/28/91	
Date analyzed	11/06/91		11/06/91		11/06/91		11/06/91	
SDG	2		2		2		2	
Matrix	Soil		Soil		Soil		Soil	
Semivolatile compound (EPA Method 8270)	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL	Result (µg/kg)	CRDL
Pyrene	BDL	680.	180.J		BDL	690.	BDL	690.
Butylbenzylphthalate	BDL	680.	BDL	680.	BDL	690.	BDL	690.
3,3-dichlorobenzidine	BDL	1400.	BDL	1400.	BDL	1400.	BDL	1400.
Benzo(a)anthracene	BDL	680.	140.J		BDL	690.	BDL	690.
Chrysene	BDL	680.	200.J		BDL	690.	BDL	690.
bis(2-ethylhexyl)phthalate	290.BJ		350.BJ		190.BJ		280.BJ	
Di-n-octylphthalate	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Benzo(b)fluoranthene	BDL	680.	180.J		BDL	690.	BDL	690.
Benzo(k)fluoranthene	BDL	680.	310.J		BDL	690.	BDL	690.
Benzo(a)pyrene	BDL	680.	130.J		BDL	690.	BDL	690.
Indeno(1,2,3-c,d)pyrene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Dibenz(a,h)anthracene	BDL	680.	BDL	680.	BDL	690.	BDL	690.
Benzo(g,h,i)perylene	BDL	680.	BDL	680.	BDL	690.	BDL	690.

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS01 (Duplicate 02) (10/15/91) (10/28/91)	1A-1 (3-7 feet)	3.9	10/30/91	0.4	0.30	11/13/91	<0.3	0.11	11/12/91
ABS02 (10/15/91) (10/28/91	1A-1 (3-7 feet)	3.5	10/30/91	0.8	0.40	11/13/91	0.5	0.12	11/12/91
ABS03 (10/15/91) (10/28/91)	1A-1 (8-10 feet)	20.0	10/30/91	0.3	0.20	11/13/91	<0.4	0.10	11/12/91
ABS04 (10/15/91) (10/28/91)	1A-2 (3-5 feet)	3.6	10/30/91	0.6	0.30	11/13/91	0.4	0.10	11/12/91
ABS05 (10/15/91) (10/28/91)	1A-2 (8-10 feet)	7.6	10/30/91	1.3	0.40	11/13/91	0.4	0.11	11/12/91
ABS06 (10/15/91) (10/28/91)	1A-3 (3-5 feet)	3.8	10/30/91	1.7	0.40	11/13/91	0.4	0.11	11/12/91
ABS07 (10/15/91) (10/28/91)	1A-3 (8-10 feet)	3.7	10/30/91	0.3	0.20	11/13/91	<0.3	0.09	11/12/91

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Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS08 (10/15/91) (10/28/91)	1A-4 (3-5 feet)	3.5	10/30/91	0.8	0.40	11/13/91	0.6	0.12	11/12/91
ABS10 (10/15/91) (10/28/91)	1B-1 (3-5 feet)	3.5	10/30/91	0.9	0.40	11/13/91	0.4	3.11	11/12/91
ABS11 (Duplicate 12) (10/15/91) (10/28/91)	1B-1 (8-12 feet)	3.2	10/30/91	0.5	0.30	11/13/91	<0.3	0.10	11/12/91
ABS12 (10/15/91) (10/28/91	1B-1 (8-12 feet)	3.5	10/30/91	0.7	0.30	11/13/91	<0.3	0.09	11/12/91
ABS13 (10/15/91) (10/28/91)	1B-2 (3-5 feet)	3.6	10/30/91	0.9	0.30	11/13/91	0.5	0.12	11/12/91
ABS14 (10/15/91) (10/28/91)	1B-2 (8-10 feet)	4.7	10/30/91	1.7	0.40	11/13/91	<0.3	0.08	11/12/91
ABS15 (10/15/91) (10/28/91)	1B-3 (3-5 feet)	3.0	10/30/91	1.5	0.40	11/13/91	0.3	0.10	11/12/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS16 (10/15/91) (10/28/91)	1B-3 (8-10 feet)	18.2	10/30/91	1.2	0.40	11/13/91	0.4	0.12	11/12/91
ABS17 (10/15/91) (10/28/91)	1B-4 (3-5 feet)	3.7	10/30/91	1.5	0.50	11/13/91	0.4	0.11	11/12/91
ABS18 (10/15/91) (10/28/91)	1B-4 (8-10 feet)	3.4	10/30/91	0.7	0.40	11/13/91	0.3	0.10	11/12/91
ABS19 (10/15/91) (10/28/91)	1C-1 (3-5 feet)	4.1	10/30/91	0.6	0.30	11/13/91	0.5	0.12	11/12/91
ABS20 (10/15/91) (10/28/91)	1C-1 (8-10 feet)	3.9	10/30/91	3.2	0.60	11/13/91	0.7	0.14	11/12/91
ABS21 (Duplicate 22) (10/15/91) (10/28/91	1C-2 (3-7 feet)	3.4	10/30/91	3.8	0.60	11/13/91	0.8	0.15	11/12/91
ABS22 (10/15/91) (10/28/91)	1C-2 (3-7 feet)	3.5	10/30/91	3.1	0.50	11/13/91	0.8	0.15	11/12/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS23 (10/15/91) (10/28/91)	1C-2 (8-10 feet)	2.8	10/30/91	3.1	0.60	11/13/91	0.7	0.13	11/12/91
ABS24 (10/15/91) (10/28/91)	1C-3 (3-5 feet)	3.3	10/30/91	3.0	0.60	11/13/91	1	0.18	11/12/91
ABS25 (10/15/91) (10/28/91)	1C-3 (8-10 feet)	3.9	10/30/91	2.8	0.50	11/13/91	0.8	0.15	11/12/91
ABS26 (10/15/91) (10/28/91)	1C-4 (3-5 feet)	4.0	10/30/91	3.9	0.60	11/13/91	1	0.16	11/12/91
ABS27 (10/15/91) (10/28/91)	1C-4 (8-10 feet)	4.6	10/30/91	0.5	0.30	11/13/91	0.8	0.14	11/12/91
ABS28 (10/16/91) (10/28/91)	1D-1 (3-5 feet)	3.4	10/30/91	1.2	0.40	11/13/91	0.8	0.10	11/12/91
ABS29 (10/16/91) (10/28/91)	1D-1 (8-10 feet)	4.2	10/30/91	1.5	0.40	11/13/91	0.6	0.10	11/12/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS30 (10/16/91) (10/28/91	1D-2 (3-5 feet)	4.1	10/30/91	1.3	0.40	11/13/91	0.6	0.10	11/12/91
ABS31 (Duplicate 32) (10/16/91) (10/28/91)	1D-2 (8-12 feet)	3.9	10/30/91	1.0	0.40	11/13/91	0.5	0.10	11/12/91
ABS32 (10/16/91) (10/28/91)	1D-2 (8-12 feet)	3.7	10/30/91	0.7	0.30	11/13/91	0.6	0.10	11/12/91
ABS33 (10/16/91) (10/28/91)	1D-3 (3-5 feet)	4.4	10/30/91	0.9	0.50	11/13/91	0.6	0.21	11/12/91
ABS34 (10/16/91) (10/28/91)	1D-3 (8-10 feet)	4.0	10/30/91	1.5	0.50	11/13/91	0.5	0.10	11/12/91
ABS35 (10/16/91) (10/28/91)	1D-4 (3-5 feet)	3.6	10/30/91	1.3	0.40	11/13/91	0.6	0.10	11/12/91
ABS36 (10/16/91) (10/28/91)	1D-4 (8-10 feet)	3.2	10/30/91	2.1	0.50	11/13/91	0.8	0.21	11/12/91

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Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS37 (10/16/91) (10/28/91)	1E-1 (3-5 feet)	3.3	10/30/91	1.4	0.40	11/13/91	0.5	0.10	11/12/91
ABS38 (10/16/91) (10/28/91)	1E-1 (8-10 feet)	23.7	10/30/91	1.3	0.40	11/13/91	0.4	0.13	11/12/91
ABS39 (10/16/91) (10/28/91)	1E-2 (3-5 feet)	3.5	10/30/91	2.0	0.50	11/13/91	0.7	0.10	11/12/91
ABS40 (10/16/91) (10/28/91	1E-2 (8-10 feet)	3.0	10/30/91	0.9	0.40	11/13	0.8	0.21	11/12/91
ABS41 (duplicate 42) (10/16/91) (10/28/91)	1E-3 (3-7 feet)	4.0	10/30/91	2.3	0.50	11/13/91	0.5	0.10	11/12/91
ABS42 (10/16/91) (10/28/91)	1E-3 (3-7 feet)	18.7	10/30/91	a	a0	11/13/91	1	0.12	11/12/91
ABS43 (10/16/91) (10/28/91)	1E-3 (8-10 feet)	3.1	10/30/91	a	0.20	11/13/91	1	0.21	11/12/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS44 (10/16/91) (10/28/91)	1E-4 (3-5 feet)	3.4	10/30/91	0.6	0.30	11/13/91	1	0.11	11/12/91
ABS45 (10/16/91) (10/28/91)	1E-4 (8-10 feet)	3.8	10/30/91	1.2	0.40	11/13/91	2	0.09	11/12/91
ABS46 (10/16/91) (10/28/91)	1F-1 (3-5 feet)	3.1	10/30/91	1.3	0.40	11/13/91	2	0.12	11/12/91
ABS47 (10/16/91) (10/31/91)	1F-1 (8-10 feet)	3.6	11/01/91	0.6	20	11/13/91	2	0.11	11/12/91
ABS48 (10/16/91) (10/31/91)	1F-2 (3-5 feet)	23.3	11/01/91	0.8	20	11/13/91	2	0.10	11/12/91
ABS49 (10/16/91) (10/31/91	1F-2 (8-10 feet)	5.1	11/01/91	0.9	20	11/13/91	1	0.09	11/12/91
ABS50 (10/16/91) (10/31/91)	1F-3 (3-5 feet)	3.5	11/01/91	0.6	20	11/14/91	<0.2	0.15	11/14/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS51 (Duplicate 52) (10/16/91) (10/31/91)	1F-3 (8-12 feet)	4.2	11/01/91	0.5	0.20	11/14/91	0.4	0.14	11/14/91
ABS52 (10/16/91) (10/31/91)	1F-3 (8-12 feet)	3.8	11/01/91	0.4	0.30	11/14/91	0.2	0.13	11/14/91
ABS53 (10/16/91) (10/31/91)	1F-4 (3-5 feet)	2.6	11/01/91	0.4	0.20	11/14/91	0.4	0.15	11/14/91
ABS54 (10/16/91) (10/31/91)	1F-4 (8-10 feet)	3.0	11/01/91	0.7	0.30	11/14/91	0.4	0.12	11/14/91
ABS55 (10/16/91) (10/31/91)	1G-2 (3-5 feet)	2.8	11/01/91	0.4	0.30	11/14/91	0.2	0.14	11/14/91
ABS56 (10/16/91) (10/31/91)	1G-2 (8-10 feet)	3.1	11/01/91	0.6	0.30	11/14/91	0.2	0.12	11/14/91
ABS57 (10/16/91) (10/31/91)	1G-3 (3-5 feet)	1.3	11/01/91	0.7	0.40	11/14/91	0.6	0.13	11/14/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Moisture % Wet Weight	Parameter							
			Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS58 (10/16/91) (10/31/91	1G-3 (8-10 feet)	22.1	11/01/91	0.7	0.30	11/14/91	0.5	0.13	11/14/91
ABS59 (10/16/91) (10/31/91)	1G-4 (3-5 feet)	2.4	11/01/91	1.2	0.30	11/14/91	<0.2	0.15	11/14/91
ABS60 (10/16/91) (10/31/91)	1G-4 (8-10 feet)	1.9	11/01/91	1.1	0.40	11/14/91	0.3	0.12	11/14/91
ABS61 (duplicate 62) (10/17/91) (10/31/91)	2A-1 (3-7 feet)	3.5	11/01/91	1.0	0.30	11/14/91	0.2	0.13	11/14
ABS62 (10/17/91) (10/31/91)	2A-1 (3-7 feet)	3.3	11/01/91	0.9	0.30	11/14/91	<0.2	0.11	11/14/91
ABS63 (10/17/91) (10/31/91)	2A-1 (8-10 feet)	2.9	11/01/91	1.0	0.40	11/14/91	<0.2	0.10	11/14/91
ABS64 (10/17/91) (10/31/91)	1X-Z (3-5 feet)	3.2	11/01/91	1.1	0.40	11/14/91	0.3	0.15	11/14/91

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Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS65 (10/17/91) (10/31/91)	1X-Z (8-10 feet)	3.1	11/01/91	1.0	0.40	11/14/91	0.3	0.13	11/14/91
ABS66 (10/17/91) (10/31/91)	2A-2 (3-5 feet)	4.1	11/01/91	0.5	0.30	11/14/91	0.5	0.13	11/14/91
ABS67 (10/17/91) (10/31/91	2A-2 (8-10 feet)	3.6	11/01/91	0.6	0.20	11/14/91	0.3	0.10	11/14/91
ABS68 (10/17/91) (10/31/91)	2A-3 (3-5 feet)	4.1	11/01/91	0.6	0.20	11/14/91	<0.2	0.16	11/14/91
ABS69 (10/17/91) (10/31/91)	2A-3 (8-10 feet)	3.5	11/01/91	0.6	0.20	11/14/91	<0.2	0.12	11/14/91
ABS70 (10/17/91) (10/31/91)	2B-2 (3-5 feet)	4.4	11/01/91	0.9	0.20	11/14/91	<0.2	0.12	11/14/91
ABS71 (Duplicate 81) (10/17/91) (10/31/91)	2C-3 (3-7 feet)	15.4	11/01/91	0.2	0.30	11/14/91	<0.2	0.11	11/14/91

Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS72 (10/17/91) (10/31/91)	2B-2 (8-10 feet)	24.0	11/01/91	<0.2	0.30	11/14/91	<0.3	0.12	11/14/91
ABS73 (10/17/91) (10/31/91)	2B-3 (3-5 feet)	22.7	11/01/91	0.3	0.30	11/14/91	<0.3	0.17	11/14/91
ABS74 (10/17/91) (10/31/91)	2B-3 (8-10 feet)	3.4	11/01/91	c0.2	0.20	11/14/91	<0.2	0.12	11/14/91
ABS75 (10/17/91) (10/31/91)	2B-4 (3-5 feet)	4.2	11/01/91	0.2	0.20	11/14/91	0.4	0.12	11/14/91
ABS76 (10/17/91) (10/31/91)	2B-4 (8-10 feet)	4.1	11/01/91	0.3	0.20	11/14/91	0.4	0.11	11/14/91
ABS77 (10/17/91) (10/31/91)	2C-2 (3-5 feet)	3.7	11/01/91	0.5	0.30	11/14/91	<0.2	0.12	11/14/91
ABS78 (10/17/91) (10/31/91)	2C-2 (8-10 feet)	3.7	11/01/91	0.5	0.20	11/14/91	<0.2	0.09	11/14/91

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Sample ID (Date collected) (Date prepared)	Boring ID (Depth)	Parameter							
		Moisture % Wet Weight	Date analyzed	Alpha picocuries/ gram - dry	Alpha.CE picocuries/ gram - dry	Date analyzed	^{226}Ra picocuries/ gram - dry	^{226}Ra.CE picocuries/ gram - dry	Date analyzed
ABS79 (10/17/91) (10/31/91)	2Y-Z (3-5 feet)	3.3	11/01/91	0.5	0.30	11/14/91	<0.2	0.09	11/14/91
ABS80 (10/17/91) (10/31/91)	2Y-Z (8-10 feet)	3.8	11/01/91	0.2	0.20	11/14/91	0.3	0.14	11/14/91
ABS81 (10/17/91) (10/31/91)	2C-3 (3-7 feet)	4.2	11/01/91	0.3	0.30	11/14/9	<0.2	0.12	11/14/9
ABS82 (10/17/91) (10/31/91)	2C-3 (8-10 feet)	3.6	11/01/91	0.2	0.30	11/14/91	0.4	0.12	11/14/91