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# HOLLOMAN AIR FORCE BASE HAZARDOUS WASTE SEWAGE SLUDGE REMOVAL CONTRACTOR'S CHEMICAL QUALITY CONTROL SUMMARY REPORT

CONTRACT NO. DACA45-88-C-0148

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HAZARDOUS WASTE
PROGRAM

# HOLLOMAN AIR FORCE BASE
# HAZARDOUS WASTE SEWAGE SLUDGE REMOVAL
# CONTRACTOR'S CHEMICAL QUALITY CONTROL
# SUMMARY REPORT

CONTRACT NO. DACA45-88-C-0148

PREPARED FOR:
U. S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT

AND

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AUGUST 27, 1990
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HOLLOMAN AIR FORCE BASE
HAZARDOUS WASTE SEWAGE
SLUGE REMOVAL - SUMMARY
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## 1.0 PROJECT DESCRIPTION

Holloman Air Force Base is located in south-central New Mexico in Otero County approximately 75 miles north-northeast of El Paso, Texas. Alamogordo, New Mexico, the closest population center, is located approximately seven miles east of the Base Boundary.

The Base operates a wastewater treatment system consisting of headworks and sewage treatment lagoons. This system receives approximately 1.5 million gallons per day of domestic and industrial wastewater. Wastewater passes through the headworks and then flows in parallel into Ponds A and B, which are aerated facultative lagoons. Wastewater then flows from the discharge of Ponds A and B through four lagoons which are operated in series.

From the late 1970's and prior to October 1984, small quantities of listed hazardous wastes were discharged into the sewage treatment lagoons. The wastes, generated from aircraft maintenance shops and medical research laboratories, consisted mainly of wash and rinse waters from operations using descaling compounds, spray paint, herbicides, and pesticides. The wash and rinse waters contained low levels of EPA listed hazardous wastes.

During March 1985, random samples were collected from the bottom of Ponds A, B, and C. Test results from these samples indicated that the sludge was nonhazardous (i.e., no detectable concentrations of hazardous constituents). Additionally, non-random samples were also collected in March 1986 from two raised mounds of sludge located at the outfall of lines leading from the treatment plant headworks to Ponds A and B. These samples were found to contain low concentrations of hazardous organic constituents and PCBs. At this time water samples were obtained and analyzed. The analytical results showed the water to be nonhazardous.

In May 1988, the two raised mounds of sludge in Ponds A and B were sounded to determine their size, shape, and location. After sounding, additional sludge samples were obtained to further define the extent of hazardous constituents. From this work the design of the hazardous waste sewage sludge removal was formulated.

The intent of the work under this project was to remove, transport and dispose of the hazardous waste sewage sludge and to confirm that the subgrade soil underlying sludge that was removed had a PCB concentration less than 25 ppm.

## 2.0 SCOPE OF PROJECT

To accomplish the intent of the project, Bradley Construction removed contaminated sludge from specific areas in Ponds A and B and transported the sludge to an EPA-approved off-site incineration facility. Working as Bradley Construction's subcontractors, WT conducted sampling for analyses in the removal areas and access zones to evaluate if the remaining subgrade and access zone soils were below the project removal concentration limits. The removal concentration limits were set at a PCB concentration greater than or equal to 25 ppm in the removal zone and areas of the access zones on pond bottoms and greater than 10 ppm in the remaining portions of the access zones (e.g., sloping dike surface and the top of dikes).

In addition to sampling subgrade soils in the removal and access zones, WT conducted sampling of remaining sludge outside of the removal zones. Wipe sampling of haul trucks, sludge handling equipment and the concrete pad surface where the sludge press operated; sampling of water and residue in the decontamination water holding tanks and the pressed water holding tanks; sampling of the sludge for percent solids determinations and unit weights; and sampling of the cake from the sludge pressing operations for

percent solids determinations and PCB analyses were also conducted by WT.

Environmental Science and Engineering, Inc. (ESE), formerly known as Hunter/ESE, Inc., working under subcontract to WT, conducted all of the chemical analyses associated with the project. ESE obtained and maintained U.S. Army Corps of Engineers Missouri River Division Validation throughout the duration of the project.

As part of the Contractor's Quality Control Plan, a Contractor's Chemical Quality Control Plan (CCQCP) and Verification Sampling Plan (VSP) were prepared for the hazardous waste sewage sludge removal conducted at Ponds A and B. The project was an effort under the U.S. Army Corps of Engineers. All work under this project required strict adherence to the site specific Safety, Health and Emergency Response Plan prepared for this project.

The purposes of these site specific plans were to provide guidelines and procedures useful for assuring accurate, precise, representative, legally defensible, and comparable data. The CCQCP and VSP were applicable to all chemical analyses and sampling associated with the project.

This Contractor's Chemical Quality Control Summary Report outlines the sampling, analytical, and quality control practices employed by WT and ESE during the contract work. In particular deviations from the CCQCP and VSP are noted. Following this section, Section 3 presents a summary of field sampling and quality control activities. Described in Section 4 are the analytical procedures used. Results of laboratory analyses and an analysis of data reliability are provided in Sections 5 and 6, respectively.

# 3.0 FIELD ACTIVITIES

Throughout the project numerous sampling events were conducted and several different types of samples were collected. Major sampling events included subgrade soil, sludge, and access zone soil sampling for Ponds A and B and sampling of the soils in the various operations areas outside of the ponds on the dike. This section provides a summary of the various sampling activities conducted.

## 3.1 Pond B and Access Zone Sampling

### 3.1.1 Grid Layout and Sampling Locations

On March 8, 1990, WT personnel layed out the 37 point sampling grid in Pond B. The location of the center point of the grid was provided to WT by Bradley Construction. Each sample location was marked with a piece of lath marked with surveyor's flagging. The number of the sample point was marked on the lath. The points were located using a fiberglass tape to measure off equilateral triangles from adjacent points. Of the 37 samples located, 17 were in the removal zone, 18 were in the remaining sludge outside of the removal zone, and 2 fell within the access zone for Pond B.

The access zone sample locations were layed out on March 10, 1990. Starting approximately 6 feet east of the edge of the decontamination pad, the samples were layed out approximately 50 feet apart along the center of the access zone. The sample locations were marked with a piece of lath marked with surveyor's flagging and the sample number.

The sample locations for both the 37 point gird and the access zone are presented on Figure 1.

### 3.1.2 Sampling and Implementation Problems

Sampling of the 37 point grid and access zone was conducted on March 9 and 10, 1990. During a portion of the sampling on March 9, 1990, Dr. Lance Hines from the U.S. Army Corps of Engineers Missouri River Division observed the sampling efforts. Prior to sampling the appropriate number of jars and labels for the samples to be collected at each sample location were prepared. At times, more than one jar of sample was collected. The number of jars collected depended on the analyses that were going to be conducted.

The samples of the subgrade soil in the removal zone were collected with stainless steel scoops and trowels. The samples were collected from the exposed surface to depths not greater than six inches. Where more than one sample jar was required for a sample, e.g., multiple analyses, duplicate samples, or split samples, the subgrade soil was placed in a stainless steel bowl and thoroughly mixed. The sample was then placed in the required number of jars.

The samples of sludge remaining outside of the removal zone were collected using 36" long, 3" O.D. analytic tubes. To obtain a vertical composite of the sludge, the tube was pushed down from the surface of the sludge to the pond bottom. The top of the tube was then capped to create a vacuum to aid in the extraction of the sample. The tube was removed from the sludge and the contents of the tube were placed in a stainless steel bowl. Prior to placing the sample in the required number of jars, it was thoroughly mixed.

Table 1 presents a summary of the samples that were collected from the pond and the access zone. Table 1 also presents a summary of the analyses scheduled for the samples.

The sample jars consisted of 250 ml glass jars with teflon lined lids. As soon as practicable after sampling, the samples were placed in the jars. The jars were then sealed, labeled, and placed in a cooler with an ice pack. Samples were transported to the laboratory within 24 hours via Federal Express, United Parcel Service or Continental Air Freight.

There were several implementation problems that required innovation in the field. The major problem was that a majority of the removal and access zones were flooded with 6 to 24 inches of muddy, sludgy water. To obtain samples of the subgrade soils in the removal zone and samples of the surface of the access zone, a 55-gallon barrel was cut in half and the halves of the barrel were used as casings to keep the water out of the sampling area. The barrel half was placed on the pond bottom through the water. The water inside of the barrel half was bailed out exposing the pond bottom, thus allowing samples to be obtained.

The second problem requiring innovation in the field was the depth of sludge outside of the removal zone. The sludge ranged in the thickness from approximately 12 to 30 inches. Digging or using scoops/trowels to obtain the samples would have been too cumbersome. The use of the acrylic tubes allowed discrete vertical composites of the sludge to be obtained with a minimum amount of effort.

The large number of sample bottles filled during this sampling effort required careful attention. By preparing the labels before hand and labeling the bottles as they were filled, confusing samples was avoided. Due to the large number of samples obtained during one sampling event, sampling equipment (primarily stainless steel bowls) had to be decontaminated during the sampling event. This provided extra work and lengthened the sampling effort. To

WT's advantage, the air temperatures were mild and heat stress was not a major problems as all personnel were wearing Level C personal protective equipment.

### 3.1.3 QA/QC Activities

QA/QC activities included decontamination of all sampling equipment before and during sampling; preparation of equipment blank samples; and collection of field blank, duplicate (QC) and split (external QA) samples. Each sample had individual sampling equipment. Sampling equipment consisting of stainless steel scoop/trowel, stainless steel bowl, and stainless steel spatulas were thoroughly decontaminated prior to use and reuse during the sampling event. Generally, only the stainless steel bowls were reused. An equipment blank was prepared and field blanks were collected prior to the sampling event.

A summary of the duplicate (QC) and split (QA) samples collected and the scheduled analyses is presented on Table 1. A summary of the equipment and field blanks is presented on Table 2.

## 3.2 Pond A and Access Zone Sampling

The 37 point grid and access zone sampling for Pond A was conducted over three different days. In Pond A there were three different removal zones. As the removal operations were completed in each removal zone, a portion of the 37-point grid was laid out and sampled.

### 3.2.1 Grid Layout and Sampling Locations

As the sludge removal operations in each removal zone were completed, the sample points were laid out for the 37 point grid. As shown on Figure 1, there were three removal zones. Zone II was

TABLE 1

POND B SAMPLES & ANALYSES

| SAMPLE NUMBER | AREA | PCB ONLY | PCB/ PEST | VOL. | SEMI VOL. | CYAN | EP TOX METALS | TOTAL METALS | As | Pb | Hg | Se | # OF BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B- 1 | RZ | 1 | | 1 | 1 | | 1 | | | | | | 4 |
| B- 1d | RZ | 1 | | | | | 1 | | | | | | 4 |
| B- 1s | RZ | 1 | | 1 | 1 | | 1 | | | | | | 4 |
| B- 2 | RZ | | 1 | | | | | 1 | | | | | 2 |
| B- 2d | RZ | | | | | | | 1 | | | | | 1 |
| B- 2s | RZ | | | | | | | 1 | | | | | 1 |
| B- 3 | RZ | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 2 |
| B- 3D | RZ | 1 | | | | | | | 1 | 1 | 1 | 1 | 2 |
| B- 3s | RZ | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 2 |
| B- 4 | RZ | | 1 | 1 | 1 | | 1 | | | | | | 4 |
| B- 5 | RZ | 1 | | | | | | | | | | | 1 |
| B- 6 | RZ | 1 | | | | 1 | | | | | | | 2 |
| B- 7 | RZ | | 1 | | | | | | | | | | 1 |
| B- 7d | RZ | | 1 | | | | | | | | | | 1 |
| B- 7s | RZ | | 1 | | | | | | | | | | 1 |
| B- 8 | RZ | 1 | | | | | | | 1 | 1 | 1 | 1 | 2 |
| B- 9 | RZ | 1 | | | | | | 1 | | | | | 2 |
| B-10 | SA | 1 | | | | | | | | | | | 1 |
| B-11 | RZ | 1 | | | | | | | | | | | 1 |
| B-12 | RZ | | 1 | 1 | 1 | | 1 | | | | | | 4 |
| B-13 | RZ | 1 | | | | | | | | | | | 1 |
| B-14 | RZ | 1 | | | | | | | | | | | 1 |
| B-15 | RZ | 1 | | | | | | | | | | | 1 |
| B-16 | RZ | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 2 |
| B-17 | RZ | | 1 | 1 | 1 | | 1 | | | | | | 4 |
| B-18 | SA | 1 | | | | | | | | | | | 1 |
| B-19 | SA | 1 | | | | | | | | | | | 1 |
| B-20 | SA | 1 | | | | | | | | | | | 1 |
| B-21 | AZ | 1 | | 1 | 1 | | | 1 | | | | | 4 |
| B-22 | SA | 1 | | | | | | | | | | | 1 |
| B-23 | SA | 1 | | | | | | | | | | | 1 |
| B-24 | SA | | 1 | | | | | | | | | | 1 |
| B-25 | SA | 1 | | | | | | | | | | | 1 |
| B-26 | SA | 1 | | | | | | | | | | | 1 |
| B-27 | RZ | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 2 |
| B-28 | SA | 1 | | | | | | | | | | | 1 |
| B-29 | SA | 1 | | | | | | | | | | | 1 |
| B-30 | SA | 1 | | | | | | | | | | | 1 |
| B-31 | RZ | 1 | | | | | | 1 | | | | | 2 |
| B-32 | SA | 1 | | | | | 1 | | | | | | 2 |
| B-33 | RZ | | 1 | 1 | 1 | | | | | | | | 3 |
| B-34 | SA | 1 | | | | | | | | | | | 1 |
| B-35 | SA | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 2 |
| B-36 | SA | 1 | | | | | | 1 | | | | | 2 |
| B-37 | SA | 1 | | 1 | 1 | | 1 | | | | | | 4 |

TABLE 1

## POND B SAMPLES & ANALYSES

| SAMPLE NUMBER | AREA | PCB ONLY | PCB/ PEST | VOL. | SEMI VOL. | CYAN | EP TOX METALS | TOTAL METALS | As | Pb | Hg | Se | # OF BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-37d | SA | | | 1 | | | 1 | | | | | | 4 |
| B-37s | SA | 1 | | | | | | | | | | | 1 |
| AZB-1 | AZ | 1 | | | | | | | | | | | 1 |
| AZB-2 | AZ | 1 | | | | | | | | | | | 1 |
| AZB-3 | AZ | 1 | | | | | | | | | | | 1 |
| AZB-4 | AZ | 1 | | | | | | | | | | | 1 |
| STUDY | | 39 | 9 | 9 | 8 | 6 | 9 | 7 | 7 | 7 | 7 | 7 | 93 |
| QC * | | 2 | 1 | 2 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 | |
| QA | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| TOTAL | | 43 | 11 | 12 | 11 | 7 | 12 | 9 | 9 | 9 | 9 | 9 | |

RZ - AREA WHERE SLUDGE HAS BEEN REMOVED - SUBGRADE SOIL SAMPLE
SA - AREA WHERE SLUDGE HAS NOT BEEN REMOVED - VERTICAL COMPOSITE
AZ - ACCESS ZONE SAMPLE - SURFACE OR SUBGRADE SOIL SAMPLE
CRZ, TZ, SDPZ, & CAC - SUBGRADE SOIL SAMPLES

**TABLE 2**

SUMMARY OF EQUIPMENT AND FIELD BLANKS COLLECTED

| Sample ID | Date Collected |
|---|---|
| EB-205-01 | 2/5/90 |
| EB-219-01 | 2/19/90 |
| EB-227-01 | 2/27/90 |
| EB-309-01 | 3/9/90 |
| EB-310-01 | 3/10/90 |
| EB-410-3 | 4/10/90 |
| EB-516-1 | 5/16/90 |
| EB-605-1 | 6/5/90 |
| EB-605-5 | 6/5/90 |
| EB-620-1 | 6/20/90 |
| EB-620-2 | 6/20/90 |
| EB-629-03 | 6/29/90 |
| EB-75-1 | 7/5/90 |
| EB-75-2 | 7/5/90 |
| EB-710-1 | 7/10/90 |
| EB-717-01 | 7/17/90 |
| EB-719-01 | 7/19/90 |
| EB-802-01 | 8/2/90 |
| EB-1010-1 | 10/10/90 |
| EB-1010-02 | 10/10/90 |
| FB-309-01 | 3/9/90 |
| FB-309-02 | 3/9/90 |
| FB-616-1 | 6/16/90 |

completed first followed by Zone III then Zone I. The location of the center point of the gird was provided to WT by Bradley Construction. Each sample location was marked with a piece of lath marked with surveyor's flagging. The number of the sample point was marked on the lath. The points were located using a fiberglass tape to measure off equilateral triangles from adjacent points.

Of the 37 sample locations, 16 were in the removal zones, 18 were in the remaining sludge outside of the removal zones, and 3 fell within the access zone for Pond A. Of the 16 samples in the removal zones, 8 were in Zone I, 4 were in Zone II and 4 were in Zone III.

In addition to the initial 37 point grid samples, the Corps of Engineers directed WT to collect additional samples of sludge. The additional samples were taken around points 19, 21, 23, and 33. These samples were taken to further define PCB concentrations around the initial sludge sample locations. A total of 8 additional samples were collected. Figure 2 presents the locations of these additional samples.

At the end of the removal operations, another set of additional samples were obtained at the direction of the Corps of Engineers. These final samples were obtained from the pond bottom near points 19 and 21. These samples were taken to verify that the removal operations around points 19 and 21 were complete and to verify that PCB concentration were below the project action limits. A total of 3 additional locations were sampled and t samples were collected. Figure 3 presents the locations of these additional samples. Appendix I presents the results of all analyses associated with this additional work.

The access zone sample locations were laid out starting at the southwest corner of the decontamination pad. The locations were placed approximately 50 feet apart along the center of the access zone. The sample locations were marked with a piece of lath marked with surveyors flagging and the sample number. The sample locations for the 37 point grid, the access zone, and the additional sludge samples are presented on Figure 1.

### 3.2.2 Sampling and Implementation Problems

Sampling of the locations in Removal Zone II and points 7, 8, 10, 19, 20, 21, 22, 23, 24, and 37 was conducted on June 16, 1990. Sampling of the locations in Removal Zone III and points 32, 33, and 34 was conducted on July 5, 1990. Sampling of the locations in Zone I and points 4, 25, 26, 29, and 30 was conducted on July 19, 1990. The access zone samples and the additional samples collected in the sludge were collected on August 2, 1990. Points 6, 16, and 31, which were located in the access zone, were sampled on August 22, 1990.

Prior to each sampling event, the appropriate number of labels for the jars of sample to be collected at each sample location were prepared. At times, more than one jar of sample was collected. The number of jars collected depended on the analyses that were going to be conducted.

The samples of the subgrade soils in the removal zones were collected with stainless steel scoops/trowels and galvanized steel Shelby tubes. The samples were collected from the exposed surface to depths not greater than 6 inches. In instances where the Shelby tubes were used or where more than one sample jar was required for a sample, e.g., multiple analyses, duplicate samples or split samples, the subgrade soil was placed in a stainless steel bowl and thoroughly mixed. The sample was then placed in the required number of jars.

TABLE 3

## POND A SAMPLES & ANALYSES

Summary of Pond A Access Zone, Decontamination Pad, Press Pad, Tank Pad, Controlled Access Corridor Samples, and Schedule Analysis

| SAMPLE NUMBER | AREA | PCB ONLY | PCB/ PEST | VOL. | SEMI VOL. | CYAN | EP TOX METALS | TOTAL METALS | As | Pb | Hg | Se | # OF BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A- 1 | RZII | 1 | | 1 | 1 | | 1 | | | | | | 4 |
| A-1D | RZII | 1 | | 1 | 1 | | | | | | | | 3 |
| A-1S | RZII | 1 | | 1 | 1 | | | | | | | | 3 |
| A- 2 | RZII | | 1 | | | | | | 1 | 1 | 1 | 1 | 4 |
| A-2D | RZII | | 1 | | | | | | | | | | 1 |
| A-2S | RZII | | 1 | | | | | | | | | | 1 |
| A- 3 | RZII | 1 | | | | | | 1 | | | | | 2 |
| A- 4 | SA | | 1 | | | | | | | | | | 1 |
| A- 5 | RZII | 1 | | | | | | | | | | | 1 |
| A- 6 | AZ | 1 | | | | | | | | | | | 1 |
| A- 7 | SA | 1 | | 1 | 1 | | 1 | | | | | | 4 |
| A- 7D | SA | 1 | | 1 | 1 | | | | | | | | 3 |
| A- 7S | SA | 1 | | | | | | | | | | | 1 |
| A- 8 | SA | 1 | | | | | | | 1 | 1 | 1 | 1 | 2 |
| A- 9 | RZII | | 1 | | | 1 | | | | | | | 2 |
| A-10 | SA | 1 | | | | | | | | | | | 1 |
| A-11 | RZI | 1 | | | | | | | | | | | 1 |
| A-12 | RZI | | 1 | 1 | 1 | | | | | | | | 3 |
| A-13 | RZI | 1 | | | | | 1 | | | | | | 2 |
| A-14 | RZI | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 3 |
| A-15 | RZI | 1 | | | | | 1 | | | | | | 2 |
| A-16 | AZ | 1 | | | | | | 1 | | | | | 2 |
| A-17 | RZIII | 1 | | | | | 1 | | | | | | 3 |
| A-18 | RZIII | | 1 | 1 | 1 | | | | | | | | 3 |
| A-19 | SA | 1 | | | | | | | | | | | 1 |
| A-20 | SA | 1 | | | | | | | | | | | 1 |
| A-21 | SA | 1 | | | | | | | | | | | 1 |
| A-22 | SA | 1 | | | | | | | | | | | 1 |
| A-23 | SA | 1 | | | | | | | | | | | 1 |
| A-24 | SA | 1 | | | | | 1 | | | | | | 2 |
| A-25 | SA | 1 | | | | | | | | | | | 1 |
| A-26 | SA | 1 | | | | | | | | | | | 1 |
| A-27 | RZI | 1 | | | | | | | | | | | 3 |
| A-28 | RZI | | 1 | 1 | 1 | | | | | | | | 3 |
| A-29 | SA | 1 | | | | 1 | | | | | | | 2 |
| A-30 | SA | 1 | | | | | | | | | | | 1 |
| A-31 | AZ | 1 | | 1 | 1 | | | | 1 | 1 | 1 | 1 | 4 |
| A-32 | SA | 1 | | | | | | | | | | | 1 |
| A-33 | SA | 1 | | | | | | 1 | | | | | 2 |
| A-34 | SA | 1 | | | | | | | | | | | 1 |
| A-35 | RZIII | | 1 | | | 1 | | | 1 | 1 | 1 | 1 | 3 |
| A-36 | RZIII | 1 | | | | | | 1 | | | | | 2 |
| A-36D | RZIII | 1 | | | | | | | | | | | 1 |
| A-37 | SA | 1 | | | | | | | | | | | 1 |
| AZA-1 | AZ | 1 | | | | | | | | | | | 1 |
| AZA-2 | AZ | 1 | | | | | | | | | | | 1 |

TABLE 3

POND A SAMPLES & ANALYSES

Summary of Pond A Access Zone, Decontamination Pad, Press Pad, Tank Pad, Controlled Access Corridor Samples, and Schedule Analysis

| SAMPLE NUMBER | AREA | PCB ONLY | PCB/ PEST | SEMI VOL. | SEMI VOL. | CYAN | EP TOX METALS | TOTAL METALS | As | Pb | Hg | Se | # OF BOTTLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AZA-3 | AZ | 1 | | | | | | | | | | | 1 |
| AZA-4 | AZ | 1 | | | | | | | | | | | 1 |
| MCRZ-1 | CRZ | 1 | | | | | | | | | | | 1 |
| MCRZ-2 | CRZ | 1 | | | | | | | | | | | 1 |
| SDPZ-1 | SDPZ | 1 | | | | | | | | | | | 1 |
| SDPZ-2 | SDPZ | 1 | | | | | | | | | | | 1 |
| TZ-1 | TZ | 1 | | | | | | | | | | | 1 |
| TZ-2 | TZ | 1 | | | | | | | | | | | 1 |
| CAC-1 | CAC | 1 | | | | | | | | | | | 1 |
| CAC-2 | CAC | 1 | | | | | | | | | | | 1 |
| CAC-3 | CAC | 1 | | | | | | | | | | | 1 |
| CAC-4 | CAC | 1 | | | | | | | | | | | 1 |
| CAC-5 | CAC | 1 | | | | | | | | | | | 1 |
| A-19A | | 1 | | | | | | | | | | | 1 |
| A-19B | | 1 | | | | | | | | | | | 1 |
| A-21A | | 1 | | | | | | | | | | | 1 |
| A-21B | | 1 | | | | | | | | | | | 1 |
| A-21C | | 1 | | | | | | | | | | | 1 |
| A-23A | | 1 | | | | | | | | | | | 1 |
| A-23Ad | | 1 | | | | | | | | | | | 1 |
| A-23B | | 1 | | | | | | | | | | | 1 |
| A-23Bs | | 1 | | | | | | | | | | | 1 |
| A-33A | | 1 | | | | | | | | | | | 1 |
| STUDY | | 60 | 9 | 9 | 9 | 4 | 6 | 4 | 5 | 5 | 5 | 5 | 111 |
| QC | | 4 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| QA | | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL | | 66 | 11 | 12 | 12 | 4 | 6 | 4 | 5 | 5 | 5 | 5 | |

RZ - AREA WHERE SLUDGE HAS BEEN REMOVED - SUBGRADE SOIL SAMPLE
SA - AREA WHERE SLUDGE HAS NOT BEEN REMOVED - VERTICAL COMPOSITE
AZ - ACCESS ZONE SAMPLE - SURFACE OR SUBGRADE SOIL SAMPLE
CRZ, TZ, SDPZ, & CAC - SUBGRADE SOIL SAMPLES

The sample jars consisted of 250 ml wide mouth jars with teflon lined lids. As soon as practicable after sampling, the samples were placed in the jars. The jars were then sealed, labeled, and placed in a cooler with an ice pack. The samples were shipped within 24 hours of sampling to the laboratory via Federal Express, United Parcel Service, or Continental Air Freight.

Innovative solutions to the problems encountered during the sampling of Pond B helped to streamline the sampling in Pond A. Portions of Removal Zone II in Pond A were flooded with 6 to 12 inches of muddy, sludgy water. Instead of using barrel halves as casings around the sample locations, galvanized steel Shelby tubes were used to obtain samples of the subgrade soil in flooded areas. To seal the sampling end of the Shelby tube against water intrusion, the end was covered with aluminum foil. To improve sample recovery, two steel nails were crossed and taped across the end of the Shelby tube. The tubes were lowered through the muddy sludgy water and pushed or pounded into the pond bottom. When the end of the tube penetrated the subgrade soil, the foil was cut by the end of the tube allowing the sample to enter the tube.

To improve sample recovery when using the acrylic tubes in the sludge, two nails were crossed and taped across the end of the tubes in the same manner as the Shelby tubes. To aid in sample handling, the acrylic tubes were cut in half lengthwise and taped together for the sampling effort. To remove the sample, the tape was cut and the tube laid open.

Heat stress was a major problem during the sampling events in Pond A. To avoid over exposure to heat stress, each sampling event was broken into three tasks. The tasks included sample point layout, sampling and packaging/clean-up. Each task was followed by the appropriate length of rest period.

One potential problem was the creation of deep (3 to 6 feet) holes in the pond bottom during the sludge removal operation. These holes would become flooded with muddy/sludgy water making sampling of the pond bottom difficult. Fortunately, all sampling locations in the removal zones occurred in areas that were relatively easy to access.

As the sampling of the 37 points occurred over three events, the volume of samples generated was less for each event. Sampling handling and organization was not as tedious as in Pond B. However, as each zone was laid out separately, continuing the grid from zone to zone required additional effort to maintain accurate and precise sample locations. These efforts included double checking sample locations in reference to the removal zone vertices and verifying sample locations off of several different former sample locations. Working around deep holes and flooded areas increased the difficulty of sample point layout. Sampling the 37 point grid over different periods, also increased the possibility that sample points would be missed. This occurred at the end of the project when points 6, 16, and 31 were not sampled. They were sampled by WT on August 22, 1990.

### 3.2.3 QA/QC Activities

QA/QC activities included decontamination of all sampling equipment before sampling; preparation of equipment blank samples; and collection of field blank, duplicate (QC) and split (external QA) samples. Each sample was obtained using individual sampling equipment.

A summary of the duplicate (QC) and split (QA) samples collected and the scheduled analyses is presented on Table 3. A summary of the equipment and field blanks is presented on Table 2.

## 3.3 Decon Pad, Controlled Access Corridor, Sludge Press Pad, and Pressed Water Holding Tank Pad Sampling

### 3.3.1 Sample Locations

At the close of site operations, soil samples were obtained from beneath the decon pad, from the surface of the controlled access corridor, and from the surface of the pressed water holding tank pad. Wipe samples were taken from the surface of the concrete press pad.

To sample the soils beneath the decon pad, two sample locations were chosen, one on the east side of each of the surface drains. A total of 5 locations were chosen along the controlled access corridor to sample the surface soils. These locations were situated between the scale and the press pad and between the press pad and the pressed water holding tank pad. Two locations were chosen on the press pad for wipe samples and two locations were chosen to sample the surface soils in the pressed water holding tank pad.

The locations for all the samples noted above are presented on Figure 1.

### 3.3.2 Sampling and Implementation Problems

Sampling of the soils beneath the decon pad, on the surface of the controlled access corridor, and on the surface of pressed water holding tank pad was conducted on August 2, 1990. Also on August 2, 1990, wipe samples from the concrete surface of the press pad were obtained.

Prior to obtaining the samples of the soils beneath the decon pad, Bradley Construction personnel removed areas of asphalt to expose

the soil. The soils were obtained from a depth not greater than 6 inches using stainless steel scoops/trowels.

The samples of surface soil from the controlled access corridor and the pressed water holding tank pad were obtained with stainless steel scoops/trowels from depths not greater than 6 inches.

Since Bradley Construction planned to leave the concrete press pad in place, two wipe samples were obtained from the surface. The sampling methods used are presented in Section 3.5 Wipe Samples.

The soil samples from the decon pad, controlled access corridor and pressed water holding tank pad were placed in 250 ml wide mouth glass jars with teflon lined lids. As soon as practicable after sampling, the jars were sealed, labeled, and placed in a cooler with an ice pack. The samples were shipped to the laboratory via Federal Express, United Parcel Service, or Continental Air Freight within 24 hours of sampling.

Other than gaining access through the asphalt pavement on the decon pad (which was provided by Bradley Construction) there were no implementation problems. Wipe samples of the concrete press pad were taken in place of soil samples as the pad was to remain in place.

### 3.3.3 QA/QC Activities

Other than decontaminating sampling equipment prior to sampling and preparation of an equipment blank, collection of duplicate/split samples were not required. Each sample was obtained using individual sampling equipment. Proper documentation in the form of chain-of-custody records and sample labels was maintained.

### 3.4 Decontamination and Pressed Water Holding Tank Sampling

When the decontamination water holding tanks became filled with water, the tank that was full was sampled. At the start of the sludge press operations and prior to draining the pressed water holding tanks, samples of the water were obtained.

Two samples of the decontamination water and sediment were obtained from each decontamination water holding tank when the need arose. One sample was obtained from the north end of the tank while the other was obtained from the south end. When the pressed water holding tanks were sampled, two samples were obtained. One sample of the water was obtained at the inlet to the tank, while the other was obtained across from the inlet. The samples of water/sediment and water from the decontamination water holding tank and pressed water holding tank respectively were obtained from the bottom of the tanks.

The samples were obtained using a stainless steel and teflon bailer. The bailer was lowered into the tank on the end of a clean piece of string. The water samples were placed in 2 1/2 liter amber jugs with teflon lined lids. Two jugs were obtained for each sample. As soon as practicable after sampling, the jugs were sealed, labeled, and placed in a cooler with an ice pack. The samples were shipped to the laboratory via Federal Express, United Parcel Service, or Continental Air Freight within 24 hours of sampling.

On one of the first shipments to the laboratory, one jug from each decon water sample broke. Fortunately, the liquid was contained in the cooler and the laboratory had enough sample to work with in the remaining jugs. To avoid future breakage, fewer jugs were

placed in the coolers, and more packaging material was used. No further breakage of the decon water samples occurred.

No other implementation problems were encountered.

Upon the first sampling of the decon water holding tanks, a split (external QA) sample was obtained and shipped to the Missouri River Division Laboratory. No duplicate samples were required. Prior to each tank sampling, the bailer was decontaminated and an equipment blank was prepared. Proper documentation in the form of chain-of-custody records and sample labels was maintained.

### 3.5 Wipe Samples

Wipe samples from the trailers hauling sludge from the site and from sludge handling equipment were obtained to confirm decontamination efforts. Whenever there was a spill of sludge during the loading procedures, or if there was reason to believe that the exterior of the sludge hauling trailer had contaminated materials present, one or more wipe samples were obtained subsequent to decontamination.

Wipe samples on equipment included samples from the track loader radiator, the track loader, the large excavator, the small excavator, sludge press, sludge press process tanks, sludge pumps, and piping used to convey the sludge. Two wipe samples were obtained from the track loader radiator before it was sent out for repairs. Three wipe samples; one from the track, one from the bucket, and one from the controls; from the track loader, the small excavator, and the large excavator were obtained from each prior to each piece of equipment leaving the site. Two wipe samples were obtained for every 50 linear feet of piping used to

convey the sludge. Three wipe samples were obtained from each of the two pumps used to handle sludge. Several wipe samples were obtained from the sludge press and sludge processing tanks. As discussed in Section 3.3, two wipe samples were obtained from the surface of the concrete press pad.

All wipe samples were obtained using a cotton gauze pad soaked with methanol. The gauze pad was rubbed over a 100 $cm^2$ area. The area was delinated with a plastic template. The Environmental Specialist conducting the wipe sampling wore either latex or vinyl gloves and changed gloves between samples.

The gauze pads were placed in a sample jar. The jar was sealed with a teflon lined lid, labeled and placed in a cooler with an ice pack. The samples were transported to the laboratory via Federal Express or United Parcel Service.

The only implementation problem encountered was when the sample surface was irregular such as equipment controls or a latch surface on a trailer. In instances where irregular surfaces were wipe sampled, the 100 $cm^2$ area was estimated. No duplicate (QC) or split (external QA) samples were required.

### 3.6 Percent Solids and Unit Weight Determinations

During the sludge removal operations and at various times during the construction, samples of sludge were collected to measure the physical properties of percent solids and unit weight. A small laboratory was set up on site by WT. The laboratory equipment consisted of two scales, sample containers, evaporating dishes, and a small drying oven.

Sludge samples were collected prior to removal operations in each pond and measured to gain information about the condition of the

sludge. These samples were collected at various locations in the access and removal zones. During the sludge removal operations prior to the implementation of the sludge press, the sludge samples were collected at the pipe outlet leading into the trailer being loaded. One sample was collected at random from each trailer loaded. During the sludge press operations, two sludge samples were collected for each batch of sludge processed. A sludge sample was collected as the sludge was being loaded into the sludge pump in the pond, while another sample was obtained from the cake as it was discharged from the sludge press. The sludge sample from the pond was measured for percent solids and unit weight, while the sludge cake was measured for percent solids only. The on-site materials laboratory was not equipped to measure the unit weight of solid materials.

When the sludge was very liquid from the pond, the measurement process tended to become rather messy as spills easily occurred. Very wet samples required drying times longer than that specified by the ASTM method. Even though the laboratory was located in a fairly weather tight shed, when the weather was very windy, mass determinations with the small scale were difficult. The small scale was very susceptible to drafts, and the scale would not settle in windy conditions. The accuracy of the scale decreased to the nearest gram instead of the nearest hundredth gram.

Each scale was zeroed regularly. No duplicate (QC) or split (external QA) samples were required.

### 3.7 Sampling Equipment Decontamination

All sampling equipment was decontaminated prior to the sampling event. Presented below are the steps taken to clean all sampling equipment exclusive of that used for wipe samples.

a. A 5-gallon bucket was partially filled with potable water. Alconox was added to produce a detergent solution.

b. A second 5-gallon bucket was also partially filled with potable water.

c. A 1/2 liter teflon squeeze bottle was filled with technical grade methonal and a 1/2 liter squeeze teflon bottle was filled with commercial grade distilled water.

d. The sampling equipment was immersed into the Alconox solution, agitated, and brushed.

e. The sampling equipment was then rinsed in the other bucket containing potable water. If visible residue remained, the sampling equipment was rewashed in the Alconox solution.

f. Once visible residue was removed, the equipment was rinsed with methonal from the squeeze bottle. The methonal was collected and allowed to evaporate.

g. The equipment was then rinsed with distilled water from the squeeze bottle. The distilled water was collected and disposed of in the decontamination water holding tank.

h. The equipment was allowed to air dry. To maintain the equipment in a "clean" condition prior to use during sampling, the equipment was placed in plastic trash bags or other "clean" containers. The equipment blank was collected at this time.

i. Decontamination waters resulting from sampling equipment decontamination were disposed of in the decontamination water holding tank.

### 3.8 Waste Management

All sampling wastes were either containerized as PCB containing and disposed with the sludge that was hauled off site or disposed of in the decontamination water holding tank. Sampling wastes from the percent solids/unit weight determinations were placed with the sludge being hauled off site. Sampling wastes from sludge and soil sampling from the various zones were disposed of in the decontamination water holding tanks. Disposable personal protective equipment was containerized as PCB containing with Bradley Construction waste PPE and transported off site for incineration.

### 3.9 Documentation

Complete documentation of field activities and sample handling was achieved through the use of sample labels, chain-of-custody records, custody seals, and a field log book as described in the Contractor's Chemical Quality Control Plan. Daily Chemical Quality Control Reports were completed and submitted to Bradley Construction on a daily basis throughout the project. As these daily reports were previously submitted, they are not included in this summary report. Summary information form the Daily Chemical Quality Control Reports concerning daily sampling and implementation problems has been presented in previous subsections titled "Sampling and Implementation Problems". Section 3.0, Field Activities, was prepared from information recorded on the Daily Chemical Quality Control Reports.

## 4.0 ANALYTICAL METHODS AND PROCEDURES

All sample analyses were conducted by Environmental Science and Engineering, Inc. (ESE) formerly known as Hunter/ESE in Englewood, Colorado. Sample preparation and chemical analyses were performed according to methods published in "Test Methods for

Evaluating Solid Waste: Physical/Chemical Methods", SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Third Edition, September 1986.

### 4.1 Identification of Laboratory Methods

The analytical methods were described in the Contractor's Chemical Quality Control Plan and Verification Sampling Plan. A summary of the sample preparation and analytical techniques is presented in Table 4.

### 4.2 Detection Limits

Table 5 presents the detection limits realized for the samples analyzed and analyses conducted. The detection limits presented were determined based on sample weights, analytic concentrations, dilution factors, and extraction solvent volumes.

## 5.0 SUMMARY OF ANALYTICAL RESULTS

Presented in this section is a summary of all analytical results. The results are presented by area sampled. The results presented in this section are those which were reported above the detection limit for each specific compound/analysis where results for a specific sample analyses are not reported, concentrations of a specific compound were not found above the method detection limit.

### 5.1 Pond A

PCB 1254 was detected in all of the samples from the access zone. The concentrations ranged from 1,600 to 2,400 ug/Kg. No other types of PCBs were detected above detection limits in the access zone samples.

PCB 1254 was detected in 29 out of 37 of the subgrade soil and sludge samples from the 37 point grid. The concentrations

TABLE 4

METHODS FOR SAMPLE PREPARATION AND ANALYSIS

| Preparation | | | | Analysis | |
|---|---|---|---|---|---|
| Parameter | Matrix | Technique | Reference | Technique | Reference |
| Volatile Organics (s) | Soil/ Sludge | Methanol extraction | SW846 (3)/8240 | Purge and Trap GC/MS | SW846 (3)/8240 |
| Semivolatile Organics (S) | Soil/ Sludge | Sonication extraction | SW846 (3)/3550 | GC/MS Capillary Column | SW846 (3)/8270 |
| PCB's | Water | Separatory funnel | SW846 (3)/3510 | GC/ECD | EPA 600/608 |
| PCB's | Soil/ Sludge | Sonication extraction | SW846 (3)/3540 | GC/ECD | SW846 (3)/8080 |
| Pesticides | Soil/ Sludge | Sonication extraction | SW846 (3)/3540 | GC/ECD | SW846 (3)/8080 |
| Cyanide | Soil/ Sludge | Reflux distillation, alkaline absorption | SW846 (3)/9010 | Colorimetry | EPA 600/335.3** |
| Metals | | | | | |
| -Total | Soil/ Sludge | Digestion | SW846 (3)/3050 | ICPES | SW846 (3)/6010 |
| -EP Tox* | Soil/ Sludge | Extraction/ digestion | SW846 (3)/1310<br>SW846 (3)/3010 | ICPES<br>ICPES | SW846 (3)/6010<br>SW846 (3)/6010 |
| -Arsenic | Soil/ Sludge | Extraction/ digestion | SW846 (3)/1310<br>SW846 (3)/3050 | Graphite furnace<br>AAS | SW846 (3)/7060<br>SW846 (3)/7060 |
| -Selenium | Soil/ Sludge | Extraction/ digestion | SW846 (3)/1310<br>SW846 (3)/3050 | Graphite furnace<br>AAS | SW846 (3)/7740<br>SW846 (3)/7740 |
| -Lead | Soil/ Sludge | Extraction/ digestion | SW846 (3)/1310<br>SW846 (3)/3050 | Graphite furnace<br>AAS | SW846 (3)/7421<br>SW846 (3)/7421 |
| -Mercury | Soil/ Sludge | Extraction/ digestion | SW846 (3)/1310<br>SW846 (3)/3050 | Cold-vapor AAS | SW846 (3)/7471<br>SW846 (3)/7471 |
| Moisture | Sludge | None | | Drying at 105°C | ASTM 2974-87 |

LEGEND:
(s) Volatiles analysis will include the tentative identification of the 10 largest non-target analyte compounds with total ion area responses greater than 10% of the nearest internal standard.
(s) Semivolatiles analysis will include the tentative identification of the 20 largest non-target analyte compounds with total ion area responses greater than 10% of the nearest internal standard.
N/A - Not applicable
PCB's -- Polychlorinated biphenyls
GC -- Gas chromatography
ECD -- Electron capture detection
SW846 (3) -- Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, U.S. EPA, Office of Solid Waste and Emergency Response, 3rd Edition, September 1986.
AAS -- Atomic absorption spectrophotometry.
* Metals to be analyzed for include: Ba, Cd, Cr, and Ag
** EPA 600 -- Methods for Chemical Analysis of Water and Wastes, U.S. EPA, EPA-600/4-79-020, Revised March 1989, Method 335.3 as modified by U.S. EPA Contract Laboratory Program Statement of Work for soils analysis.

## TABLE 5

## DETECTION LIMITS REPORTED FOR REQUIRED ANALYTICAL METHODS

| Analytical Method/Parameter | Detection Limit |
|---|---|
| Method 8080 PCBs | |
| Wipe Samples | 0.1-0.5 ug/100cm$^2$ |
| Decon Water & Pressed Water | 0.5-2.5 ug/L |
| Decon Water Residue & Pressed Water Residue | 27-25,000 ug/Kg-wet |
| Sludge/Soil | 35-40,000 ug/Kg-dry |
| Method 8080 Pesticides | |
| Sludge/Soil | 9.74 - 5,820 ug/Kg-dry |
| Method 8240 Volatile Organics | |
| Sludge/Soil | 0.5 - 55 ug/Kg-dry |
| Method 8270 Semi-Volatile Organics | |
| Sludge/Soil | 65 - 834 ug/Kg-dry |
| EP Toxicity Metals | |
| Sludge/Soil | 0.0008 - 0.033 mg/L |
| Total Metals | 0.027 - 2.00 mg/Kg-dry |
| Cyanide | 0.3 - 1.0 mg/Kg-dry |

reported above the detection limits ranged from 62 to 37,000 ug/Kg. The highest concentration, 37,000 ug/Kg, occurred at point A-23 in the sludge remaining outside of the removal zone. No other types of PCBs were detected above detection limits in the samples from the 37 point grid. Analysis of additional samples from around points A-19, A-21, A-23, A-33, indicated PCB 1254 concentrations ranging from 2,500 to 210,000 ug/Kg. The highest concentration occurred at point A-19B. No pesticides were reported above detection limits in the 37 point grid samples. Table 6 presents a summary of the results of the PCB analyses. The laboratory data sheets are presented in Appendix A.

Several volatile and semi-volatile compounds were detected in the subgrade soil and sludge samples from the 37 point grid. Presented below is a summary of the compounds detected:

Acetone
Benzo(B)Fluoranthene
Bis (2-Ethylhexyl) Phthalate
2-Butanone
Chrysene
Ethyl Benzene
Fluoranthene
Methylene Chloride
Phenanthrene
Pyrene
Toluene
Xylenes

No other volatile or semi-volatiles were detected above the method detection limits. Table 7 presents a summary of the results of the volatile and semi-volatile analyses. The laboratory data sheets are presented in Appendix A.

Of the eight metals analyzed for using the EP Toxicity Method, Arsenic, Barium, Chromium and Lead were detected above the method detection limits. The Arsenic concentration was 0.028 mg/L. The Barium concentrations ranged from 0.107 to 0.203 mg/L. The Chromium concentration was 0.005 mg/L. No other metals were

TABLE 6

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND A FOR PCB ANALYSIS USING EPA METHOD 8080

| Sample ID# | Date Sampled | PCB Type | Results (ug\KG) |
|---|---|---|---|
| PCB'S ONLY | | | |
| ACCESS ZONE TO POND A | | | |
| AZA-1 | 8/2/90 | 1254 | 2400.00 |
| AZA-2 | 8/2/90 | 1254 | 1600.00 |
| AZA-3 | 8/2/90 | 1254 | 2000.00 |
| AZA-4 | 8/2/90 | 1254 | 1900.00 |
| POND A | | | |
| A- 1 | 6/16/90 | 1254 | 270.00 |
| A- 1d | 6/16/90 | 1254 | 180.00 |
| A- 2 | 6/16/90 | 1254 | 740.00 |
| A- 2d | 6/16/90 | 1254 | 560.00 |
| A- 4 | 7/19/90 | 1254 | 560.00 |
| A- 5 | 7/19/90 | 1254 | 1100.00 |
| A- 6 | 8/22/90 | 1254 | 3600.00 |
| A- 7 | 6/16/90 | 1254 | 960.00 |
| A- 7d | 6/16/90 | 1254 | 1400.00 |
| A- 8 | 6/16/90 | 1254 | 7800.00 |
| A-10 | 6/16/90 | 1254 | 5200.00 |
| A-13 | 7/19/90 | 1254 | 62.00 |
| A-14 | 7/19/90 | 1254 | 2200.00 |
| A-15 | 7/19/90 | 1254 | 900.00 |
| A-16 | 8/22/90 | 1254 | 19000.00 |
| A-17 | 7/5/90 | 1254 | 5400.00 |
| A-18 | 7/5/90 | 1254 | 13000.00 |
| A-19 | 6/16/90 | 1254 | 30000.00 |
| A-19A | 8/2/90 | 1254 | 110000.00 |
| A-19B | 8/2/90 | 1254 | 210000.00 |
| A-20 | 6/16/90 | 1254 | 5800.00 |
| A-21 | 6/16/90 | 1254 | 30000.00 |
| A-21A | 8/2/90 | 1254 | 2800.00 |
| A-21B | 8/2/90 | 1254 | 76000.00 |
| A-21C | 8/2/90 | 1254 | 8100.00 |
| A-22 | 6/16/90 | 1254 | 16000.00 |
| A-23 | 6/16/90 | 1254 | 37000.00 |
| A-23A | 8/2/90 | 1254 | 4500.00 |
| A-23Ad | 8/2/90 | 1254 | 5200.00 |
| A-23B | 8/2/90 | 1254 | 6200.00 |
| A-24 | 6/16/90 | 1254 | 12000.00 |
| A-26 | 7/19/90 | 1254 | 110.00 |
| A-28 | 7/19/90 | 1254 | 250.00 |
| A-29 | 7/19/90 | 1254 | 1500.00 |
| A-30 | 7/19/90 | 1254 | 700.00 |
| A-31 | 8/22/90 | 1254 | 100.00 |
| A-32 | 7/5/90 | 1254 | 9700.00 |

TABLE 6

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND A FOR PCB ANALYSIS USING EPA METHOD 8080

| Sample ID# | Date Sampled | PCB Type | Results (ug\KG) |
|---|---|---|---|
| A-33 | 7/5/90 | 1254 | 27000.00 |
| A-33A | 8/2/90 | 1254 | 2500.00 |
| A-34 | 7/5/90 | 1254 | 15000.00 |
| A-37 | 6/16/90 | 1254 | 13000.00 |

PESTICIDE
No Pesticides were reported above detection limit

* Where no results were reported, there were no concentrations reported above the detection limit.

TABLE 7

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND A FOR VOLATILE AND SEMI-VOLATILE COMPOUND ANALYSIS USING EPA METHODS 8240 AND 8270

| Sample ID# | Date Sampled | Compound | Results (ug\kg) |
|---|---|---|---|
| A- 1 | 6/16/90 | Bis(2-Ethylhexyl)PHTHALATE | 220.00 |
| A- 1 | 6/16/90 | Xylenes (Total) | 5.00 |
| A- 1d | 6/16/90 | Bis(2-Ethylhexyl)PHTHALATE | 710.00 |
| A- 7 | 6/16/90 | 2-Butanone | 16.00 |
| A- 7 | 6/16/90 | Acetone | 79.00 |
| A- 7 | 6/16/90 | Bis(2-Ethylhexyl)PHTHALATE | 1910.00 |
| A- 7 | 6/16/90 | Ethylbenzene | 3.00 |
| A- 7 | 6/16/90 | Pyrene | 148.00 |
| A- 7 | 6/16/90 | Xylenes (Total) | 15.00 |
| A- 7d | 6/16/90 | Acetone | 62 |
| A- 7d | 6/16/90 | Benzo(B)Fluoranthene | 206 |
| A- 7d | 6/16/90 | Bis(2-Ethylhexyl)PHTHALATE | 2580.00 |
| A- 7d | 6/16/90 | Chrysene | 195 |
| A- 7d | 6/16/90 | Ethylbenzene | 3 |
| A- 7d | 6/16/90 | Flouranthene | 221.00 |
| A- 7d | 6/16/90 | Methylene Chloride | 43 |
| A- 7d | 6/16/90 | Phenanthrene | 113.00 |
| A- 7d | 6/16/90 | Pyrene | 221.00 |
| A- 7d | 6/16/90 | Toluene | 3 |
| A- 7d | 6/16/90 | Xylenes (Totals) | 14 |
| A-12 | 7/19/90 | Bis(2-Ethylhexyl)PHTHALATE | 663.00 |
| A-18 | 7/5/90 | Bis(2-Ethylhexyl)PHTHALATE | 6410.00 |
| A-18 | 7/5/90 | Pyrene | 667.00 |
| A-18 | 7/5/90 | Toluene | 3.00 |
| A-28 | 7/19/90 | Bis(2-Ethylhexyl)PHTHALATE | 952.00 |
| A-28 | 7/19/90 | DI-N-ButylPHTHALATE | 185.00 |
| A-28 | 7/19/90 | Methylene Chloride | 219.00 |
| A-31 | 8/22/90 | Bis(2-Ethylhexyl)PHTHALATE | 5130.00 |
| A-31 | 8/22/90 | Xylenes | 8.00 |

* Where no results were reported, there were no concentrations reported above the detection limit.

detected above the method detection limits. Table 8 presents a summary of the EP Toxicity analysis results. The laboratory results are presented in Appendix A.

Several metals were detected in the subgrade soil and remaining sludge samples from the 37 point grid. Presented below is a summary of the metals detected during the inorganic analyses:

Arsenic
Barium
Cadmium
Chromium
Lead
Mercury
Selenium
Silver
Cyanide

Table 8 presents a summary of the results of the inorganic analyses. The laboratory results are presented in Appendix A.

## 5.2 Pond B

PCB 1254 was detected in all of the samples from the access zone. The concentrations ranged from 10 to 110 ug/Kg. No other PCBs were detected above detection limits in the access zone samples.

PCB 1254 was detected in 30 out of 37 of the subgrade soil and sludge samples. The concentrations reported above the detection limit ranged from 20 to 27,000 ug/Kg. The highest concentration, 27,000 ug/Kg, occurred at point B-24 in the sludge remaining outside of the removal zone. No other PCBs were detected above detection limits in the samples from the 37 point grid. No pesticides were reported above detection limits in the 37 point grid samples. Table 9 presents a summary of the results of the PCB analyses. The laboratory data sheets are presented in Appendix B.

TABLE 8

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND A
INORGANIC METALS ANALYSIS

| Sample ID# | Date Sampled | Inorganic Type | Results | units | EPA Method |
|---|---|---|---|---|---|
| A- 1 | 6/16/90 | Barium | 0.107 | mg/L | EPTOX (leachate) |
| A- 1 | 6/16/90 | Lead | 0.028 | mg/L | EPTOX (leachate) |
| A- 7 | 6/16/90 | Barium | 0.203 | mg/L | EPTOX (leachate) |
| A- 7 | 6/16/90 | Chromium | 0.005 | mg/L | EPTOX (leachate) |
| A-13 | 7/19/90 | Barium | 0.124 | mg/L | EPTOX (leachate) |
| A-15 | 7/19/90 | Barium | 0.199 | mg/L | EPTOX (leachate) |
| A-17 | 7/5/90 | Barium | 0.160 | mg/L | EPTOX (leachate) |
| A-17 | 7/5/90 | Arsenic | 0.028 | mg/L | EPTOX (leachate) |
| A-24 | 6/16/90 | Barium | 0.126 | mg/L | EPTOX (leachate) |
| A- 2 | 6/16/90 | Arsenic | 2.620 | mg/kg | Sediment |
| A- 2 | 6/16/90 | Lead | 16.300 | mg/kg | Sediment |
| A- 2 | 6/16/90 | Mercury | 0.512 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Arsenic | 2.170 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Cadmium | 0.440 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Silver | 1.100 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Barium | 98.800 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Lead | 4.910 | mg/kg | Sediment |
| A- 3 | 6/16/90 | Chromium | 8.450 | mg/kg | Sediment |
| A- 8 | 6/16/90 | Lead | 181.000 | mg/kg | Sediment |
| A- 8 | 6/16/90 | Arsenic | 5.030 | mg/kg | Sediment |
| A- 8 | 6/16/90 | Selenium | 3.720 | mg/kg | Sediment |
| A- 8 | 6/16/90 | Mercury | 4.570 | mg/kg | Sediment |
| A-14 | 7/19/90 | Arsenic | 4.380 | mg/kg | Sediment |
| A-14 | 7/19/90 | Mercury | 0.815 | mg/kg | Sediment |
| A-14 | 7/19/90 | Lead | 19.000 | mg/kg | Sediment |
| A-16 | 8/22/90 | Silver | 84.900 | mg/kg | Sediment |
| A-16 | 8/22/90 | Selenium | 0.606 | mg/kg | Sediment |
| A-16 | 8/22/90 | Cadmium | 3.620 | mg/kg | Sediment |
| A-16 | 8/22/90 | Chromium | 49.100 | mg/kg | Sediment |
| A-16 | 8/22/90 | Barium | 249.000 | mg/kg | Sediment |
| A-16 | 8/22/90 | Arsenic | 3.400 | mg/kg | Sediment |
| A-16 | 8/22/90 | Lead | 73.900 | mg/kg | Sediment |
| A-16 | 8/22/90 | Mercury | 2.020 | mg/kg | Sediment |
| A-29 | 7/19/90 | Cyanide | 2.450 | mg/kg | Sediment |
| A-31 | 8/22/90 | Lead | 6.340 | mg/kg | Sediment |
| A-31 | 8/22/90 | Mercury | 0.603 | mg/kg | Sediment |
| A-31 | 8/22/90 | Arsenic | 2.150 | mg/kg | Sediment |
| A-33 | 7/5/90 | Selenium | 7.450 | mg/kg | Sediment |
| A-33 | 7/5/90 | Arsenic | 5.130 | mg/kg | Sediment |
| A-33 | 7/5/90 | Lead | 222.000 | mg/kg | Sediment |
| A-33 | 7/5/90 | Mercury | 3.710 | mg/kg | Sediment |
| A-33 | 7/5/90 | Chromium | 189.000 | mg/kg | Sediment |
| A-33 | 7/5/90 | Barium | 215.000 | mg/kg | Sediment |
| A-33 | 7/5/90 | Silver | 436.000 | mg/kg | Sediment |
| A-33 | 7/5/90 | Cadium | 11.400 | mg/kg | Sediment |
| A-35 | 7/5/90 | Arsenic | 1.860 | mg/kg | Sediment |

TABLE 8

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND A
INORGANIC METALS ANALYSIS

| Sample ID# | Date Sampled | Inorganic Type | Results | units | EPA Method |
|---|---|---|---|---|---|
| A-35 | 7/5/90 | Lead | 9.600 | mg/kg | Sediment |
| A-36 | 7/5/90 | Barium | 106.000 | mg/kg | Sediment |
| A-36 | 7/5/90 | Arsenic | 2.600 | mg/kg | Sediment |
| A-36 | 7/5/90 | Lead | 6.400 | mg/kg | Sediment |
| A-36 | 7/5/90 | Chromium | 12.200 | mg/kg | Sediment |

* Where no results were reported, there were no concentrations reported above the detection limit.

TABLE 9

LABORATORY RESULTS OF SAMPLES TAKEN FOR PCB ANALYSIS FROM POND B

| Sample ID# | Date Sampled | PCB Type | Results (ug\KG) |
|---|---|---|---|
| ACCESS ZONE TO POND B | | | |
| AZB-1 | 3/10/90 | 1254 | 28.00 |
| AZB-2 | 3/10/90 | 1254 | 110.00 |
| AZB-3 | 3/10/90 | 1254 | 90.00 |
| AZB-4 | 3/10/90 | 1254 | 10.00 |
| POND B | | | |
| B- 1 | 3/9/90 | 1254 | 240.00 |
| B- 1d | 3/9/90 | 1254 | 240.00 |
| B- 3 | 3/9/90 | 1254 | 390.00 |
| B- 3d | 3/9/90 | 1254 | 380.00 |
| B- 4 | 3/9/90 | 1254 | 480 |
| B- 5 | 3/9/90 | 1254 | 61.00 |
| B- 6 | 3/9/90 | 1254 | 44.00 |
| B- 8 | 3/9/90 | 1254 | 170.00 |
| B- 9 | 3/9/90 | 1254 | 77.00 |
| B-11 | 3/9/90 | 1254 | 89.00 |
| B-12 | 3/9/90 | 1254 | 470.00 |
| B-13 | 3/9/90 | 1254 | 200.00 |
| B-14 | 3/9/90 | 1254 | 21000.00 |
| B-15 | 3/9/90 | 1254 | 20.00 |
| B-16 | 3/9/90 | 1254 | 26.00 |
| B-18 | 3/9/90 | 1254 | 7400.00 |
| B-19 | 3/9/90 | 1254 | 2900.00 |
| B-20 | 3/9/90 | 1254 | 2800.00 |
| B-21 | 3/9/90 | 1254 | 49.00 |
| B-22 | 3/9/90 | 1254 | 12000.00 |
| B-23 | 3/9/90 | 1254 | 23000.00 |
| B-24 | 3/9/90 | 1254 | 27000.00 |
| B-25 | 3/9/90 | 1254 | 1300.00 |
| B-26 | 3/9/90 | 1254 | 8000.00 |
| B-28 | 3/9/90 | 1254 | 16000.00 |
| B-29 | 3/9/90 | 1254 | 5600.00 |
| B-30 | 3/9/90 | 1254 | 7200.00 |
| B-31 | 3/9/90 | 1254 | 22.00 |
| B-34 | 3/9/90 | 1254 | 3100.00 |
| B-35 | 3/9/90 | 1254 | 1900.00 |
| B-36 | 3/9/90 | 1254 | 6700.00 |
| B-37 | 3/9/90 | 1254 | 7800.00 |

PESTICIDES
No Pesticides were reported above detection limit

* Where no results were reported, there were no concentrations reported above the detection limit.

Several volatile and semi-volatile compounds were detected in the subgrade soil and remaining sludge samples from the 37 point grid. Presented below is a summary of the compounds detected:

Acetone
Benzo (A) Pyrene
Benzo (F) Fluoranthene
Bis (2-Ethylhexyl) PHT Halate
4-Chloroaniline
Chrysene
DI-N-Octyl Phthalate
Ethyl Benzene
Fluoranthene
Phenanthrene
Pyrene
Toluene
Xylenes

No other volatile or semi-volatiles were detected above the method detection limits. Table 10 presents a summary of the results of the volatile and semi-volatile analyses. The laboratory results are presented in Appendix B.

Of the eight metals analyzed for using the EP Toxicity method, only Barium and Chromium were detected above the method detection limits. The Barium concentrations ranged from 0.011 to 0.2 mg/L. The Chromium concentrations ranged from 0.008 to 0.011 mg/L. No other metals were detected above the method detection limits.

Several metals were detected in the subgrade soil and remaining sludge samples from the 37 point grid. Presented below is a summary of the metals detected during the inorganic analyses:

Arsenic
Barium
Cadmium
Chromium
Cyanide
Lead
Mercury
Selenium
Silver

TABLE 10

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND B FOR VOLITILES AND SEMI-VOLITILES USING EPA METHODS 8240 AND 8270

| Sample ID# | Date Sampled | Volatile Type | Results (ug\KG) |
|---|---|---|---|
| B- 1 | 3/9/90 | Bis(2-Ethylhexyl)PHTHalate | 1120.00 |
| B- 4 | 3/9/90 | Bis(2-Ethylhexyl)PHTHalate | 571.00 |
| B-17 | 3/9/90 | Bis(2-Ethylhexyl)PHTHalate | 224.00 |
| B-17 | 3/9/90 | Acetone | 36.00 |
| B-21 | 3/9/90 | Bis(2-Ethylhexyl)PHTHalate | 450.00 |
| B-33 | 3/9/90 | Bis(2-Ethylhexyl)PHTHalate | 269.00 |
| B-37 | 3/10/90 | Chrysene | 677.00 |
| B-37 | 3/10/90 | Benzo(A)pyrene | 521.00 |
| B-37 | 3/10/90 | Acetone | 278.00 |
| B-37 | 3/10/90 | Phenanthrene | 353.00 |
| B-37 | 3/10/90 | Bis(2-Ethylhexyl)PHTHalate | 13500.00 |
| B-37 | 3/10/90 | Floroanthene | 523.00 |
| B-37 | 3/10/90 | 4-Chloroaniline | 588.00 |
| B-37 | 3/10/90 | Pyrene | 518.00 |
| B-37 | 3/10/90 | Benzo(K)Floranthene | 1200.00 |
| B-37 | 3/10/90 | DI-N-Octyl PHTHALATE | 608.00 |
| B-37 | 3/10/90 | Ethylbenzene | 10.00 |
| B-37 | 3/10/90 | Xylenes, (TOTAL) | 13.00 |
| B-37d | 3/10/90 | Acetone | 234.00 |
| B-37d | 3/10/90 | Ethylbenzene | 7.00 |
| B-37d | 3/10/90 | Xylenes, (TOTAL) | 10.00 |
| B-37d | 3/10/90 | Toluene | 4.00 |

* Where no results were reported, there were no concentrations reported above the detection limit.

No other metals were detected above the method detection limits. Table 11 presents a summary of the results of the inorganic analyses. The laboratory data sheets are presented in Appendix B.

## 5.3 Decon Pad, Controlled Access Corridor, Sludge Press Pad, and Pressed Water Holding Tank Pad

PCB 1254 was detected at a concentration of 420 ug/Kg in a soil sample taken from the controlled access corridor (CAC-3). PCB 1254 was detected in a wipe sample from the Sludge Dewatering Press Pad (SDPZ-1) at a concentration of 0.51 ug/100cm$^2$. No other PCBs were detected in the soil samples above the method detection limits. Table 12 presents a summary of the laboratory analysis results. The laboratory data sheets are presented in Appendix C.

## 5.4 Decontamination and Pressed Water Holding Tank Samples

PCBs were not detected above the method detection limits in samples of water from the decontamination and pressed water holding tanks. PCBs were not detected above the method detection limits in the residue filtered from the pressed water holding tank water samples. PCB 1254 was detected in the residue filtered from the decontamination water holding tank samples. The concentrations ranged from 150 to 1,300 ug/Kg-wet. No other types of PCBs were detected in the residue from the decontamination water tank samples. Table 12 presents a summary of the results. Appendix D presents the laboratory data sheets.

## 5.5 Wipe Samples

PCB 1242, PCB 1254, and PCB 1260 were detected in wipe samples from haul trailers. The concentrations ranged from 0.51 to 3.10 ug/100cm$^2$. No other types of PCBs were detected above the method detection limits.

TABLE 11

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND B
FOR LABORATORY ANALYSIS OF INORGANIC METALS

| Sample ID# | Date Sampled | Inorganic | Results | | EPA Method |
|---|---|---|---|---|---|
| B- 1 | 3/9/90 | Barium | 0.200 | mg/L | EPTOX (leachate) |
| B- 1 | 3/9/90 | Chromium | 0.008 | mg/L | EPTOX (leachate) |
| B- 1d | 3/9/90 | Barium | 0.200 | mg/L | EPTOX (leachate) |
| B- 1d | 3/9/90 | Chromium | 0.008 | mg/L | EPTOX (leachate) |
| B- 4 | 3/9/90 | Barium | 0.220 | mg/L | EPTOX (leachate) |
| B- 4 | 3/9/90 | Chromium | 0.011 | mg/L | EPTOX (leachate) |
| B-12 | 3/9/90 | Barium | 0.200 | mg/L | EPTOX (leachate) |
| B-12 | 3/9/90 | Barium | 0.011 | mg/L | EPTOX (leachate) |
| B-17 | 3/9/90 | Barium | 0.100 | mg/L | EPTOX (leachate) |
| B-32 | 3/9/90 | Barium | 0.100 | mg/L | EPTOX (leachate) |
| B-32 | 3/9/90 | Chromium | 0.008 | mg/L | EPTOX (leachate) |
| B-37 | 3/9/90 | Chromium | 0.011 | mg/L | EPTOX (leachate) |
| B-37 | 3/9/90 | Barium | 0.200 | mg/L | EPTOX (leachate) |
| B-37d | 3/9/90 | Barium | 0.200 | mg/L | EPTOX (leachate) |
| B-37d | 3/9/90 | Chromium | 0.010 | mg/L | EPTOX (leachate) |
| B- 2 | 3/9/90 | Arsenic | 2.350 | mg/kg | Sediment |
| B- 2 | 3/9/90 | Chromium | 5.530 | mg/kg | Sediment |
| B- 2 | 3/9/90 | Mercury | 0.086 | mg/kg | Sediment |
| B- 2 | 3/9/90 | Barium | 58.700 | mg/kg | Sediment |
| B- 2 | 3/9/90 | Lead | 1.760 | mg/kg | Sediment |
| B- 2d | 3/9/90 | Barium | 63.300 | mg/kg | Sediment |
| B- 2d | 3/9/90 | Arsenic | 2.960 | mg/kg | Sediment |
| B- 2d | 3/9/90 | Chromium | 5.500 | mg/kg | Sediment |
| B- 2d | 3/9/90 | Mercury | 0.041 | mg/kg | Sediment |
| B- 2d | 3/9/90 | Lead | 1.970 | mg/kg | Sediment |
| B- 3 | 3/9/90 | Arsenic | 1.330 | mg/kg | Sediment |
| B- 3 | 3/9/90 | Mercury | 0.094 | mg/kg | Sediment |
| B- 3 | 3/9/90 | Lead | 1.610 | mg/kg | Sediment |
| B- 3d | 3/9/90 | Mercury | 0.100 | mg/kg | Sediment |
| B- 3d | 3/9/90 | Lead | 2.490 | mg/kg | Sediment |
| B- 3d | 3/9/90 | Arsenic | 1.790 | mg/kg | Sediment |
| B- 8 | 3/9/90 | Lead | 2.740 | mg/kg | Sediment |
| B- 8 | 3/9/90 | Arsenic | 2.040 | mg/kg | Sediment |
| B- 8 | 3/9/90 | Mercury | 0.083 | mg/kg | Sediment |
| B- 9 | 3/9/90 | Barium | 48.100 | mg/kg | Sediment |
| B- 9 | 3/9/90 | Lead | 2.440 | mg/kg | Sediment |
| B- 9 | 3/9/90 | Chromium | 9.180 | mg/kg | Sediment |
| B- 9 | 3/9/90 | Arsenic | 2.710 | mg/kg | Sediment |
| B- 9 | 3/9/90 | Mercury | 0.040 | mg/kg | Sediment |
| B-16 | 3/9/90 | Cyanide | 0.500 | mg/kg | Sediment |
| B-16 | 3/9/90 | Arsenic | 3.450 | mg/kg | Sediment |
| B-16 | 3/9/90 | Lead | 3.470 | mg/kg | Sediment |
| B-21 | 3/9/90 | Chromium | 5.020 | mg/kg | Sediment |
| B-21 | 3/9/90 | Barium | 49.400 | mg/kg | Sediment |

TABLE 11

LABORATORY RESULTS OF SAMPLES TAKEN FROM POND B
FOR LABORATORY ANALYSIS OF INORGANIC METALS

| Sample ID# | Date Sampled | Inorganic Results | | | EPA Method |
|---|---|---|---|---|---|
| B-21 | 3/9/90 | Lead | 1.780 | mg/kg | Sediment |
| B-21 | 3/9/90 | Arsenic | 2.190 | mg/kg | Sediment |
| B-21 | 3/9/90 | Mercury | 0.065 | mg/kg | Sediment |
| B-27 | 3/9/90 | Arsenic | 2.660 | mg/kg | Sediment |
| B-27 | 3/9/90 | Lead | 1.610 | mg/kg | Sediment |
| B-31 | 3/9/90 | Arsenic | 1.550 | mg/kg | Sediment |
| B-31 | 3/9/90 | Chromium | 11.100 | mg/kg | Sediment |
| B-31 | 3/9/90 | Barium | 77.100 | mg/kg | Sediment |
| B-31 | 3/9/90 | Lead | 5.200 | mg/kg | Sediment |
| B-35 | 3/9/90 | Cyanide | 1.000 | mg/kg | Sediment |
| B-35 | 3/9/90 | Arsenic | 3.190 | mg/kg | Sediment |
| B-35 | 3/9/90 | Mercury | 1.160 | mg/kg | Sediment |
| B-35 | 3/9/90 | Lead | 22.300 | mg/kg | Sediment |
| B-36 | 3/9/90 | Selenium | 2.490 | mg/kg | Sediment |
| B-36 | 3/9/90 | Cadmium | 10.200 | mg/kg | Sediment |
| B-36 | 3/9/90 | Lead | 1.450 | mg/kg | Sediment |
| B-36 | 3/9/90 | Barium | 303.000 | mg/kg | Sediment |
| B-36 | 3/9/90 | Silver | 428.000 | mg/kg | Sediment |
| B-36 | 3/9/90 | Mercury | 3.850 | mg/kg | Sediment |
| B-36 | 3/9/90 | Chromium | 244.000 | mg/kg | Sediment |
| B-36 | 3/9/90 | Arsenic | 3.490 | mg/kg | Sediment |

* Where no results were reported, there were no concentrations reported above the detection limit.

TABLE 12

LABORATORY RESULTS OF SAMPLES
TAKEN OUTSIDE OF POND AREAS *

| Sample ID# | Date Sampled | PCB Type | Results |
|---|---|---|---|
| **Controlled Access Zone-CAC** | | | |
| CAC-3 | 8/2/90 | 1254 | 420.00 ug/kg |
| **Sludge Dewatering Press Zone-SDPZ** | | | |
| SDPZ-1 | 8/2/90 | 1254 | 0.51 ug/100cm2 |
| **Decontamination Water Samples (residue)** | | | |
| DECW-219-01 | 2/19/90 | 1254 | 1100.00 ug/kg-wet |
| DECW-219-02 | 2/19/90 | 1254 | 210.00 ug/kg-wet |
| DECW-227-2 | 2/27/90 | 1254 | 460.00 ug/kg-wet |
| DECW-227-3 | 2/27/90 | 1254 | 320.00 ug/kg-wet |
| DECW-227-4 | 2/27/90 | 1254 | 230.00 ug/kg-wet |
| DECW-310-01 | 3/10/90 | 1254 | 220.00 ug/kg-wet |
| DECW-310-02 | 3/10/90 | 1254 | 730.00 ug/kg-wet |
| DECW-410-01 | 4/10/90 | 1254 | 150.00 ug/kg-wet |
| DECW-410-02 | 4/10/90 | 1254 | 230.00 ug/kg-wet |
| DECW-516-1 | 5/17/90 | 1254 | 730.00 ug/kg-wet |
| DECW-516-2 | 5/17/90 | 1254 | 230.00 ug/kg-wet |
| DECW-605-1N | 6/5/90 | 1254 | 380.00 ug/kg-wet |
| DECW-605-2S | 6/5/90 | 1254 | 330.00 ug/kg-wet |
| DECW-605-4S | 6/5/90 | 1254 | 160.00 ug/kg-wet |
| DECW-620-1 | 6/20/90 | 1254 | 1300.00 ug/kg-wet |
| DECW-620-2 | 6/20/90 | 1254 | 540.00 ug/kg-wet |
| DECW-75-1 | 7/5/90 | 1254 | 430.00 ug/kg-wet |
| DECW-75-2 | 7/5/90 | 1254 | 310.00 ug/kg-wet |

Decontamination Water Samples (water)
NO PCB's REPORTED ABOVE DETECTION LIMITS

Pressed Water Holding Tank-PWHT
NO PCB's REPORTED ABOVE DETECTION LIMITS

Main Decontamination Reduction Zone-MCRZ
NO PCB's REPORTED ABOVE DETECTION LIMITS

Equipment Blank Samples-EB
NO PCB's REPORTED ABOVE DETECTION LIMITS

Tank Zone-TZ
NO PCB's REPORTED ABOVE DETECTION LIMITS

Field Blanks-FB
NO PCB's REPORTED ABOVE DETECTION LIMITS

* Where no results were reported, there were no concentrations of PCB's reported above the detection limit.

PCB 1254 was detected in wipe samples from the sludge handling equipment. The Concentrations ranged from 0.51 to 5.40 ug/100cm$^2$. No other types of PCBs were detected above the method detection limits. Table 13 presents a summary of the wipe sample analysis results. The laboratory data sheets are presented in Appendix E.

### 5.6 Percent Solids and Unit Weight Determinations

Table 14 presents a summary of all of the percent solids and unit weight determinations. As these results were reported daily, the data sheets are not included in this report.

### 5.7 Quality Control Samples

Quality control samples included field duplicates, field blanks, and equipment blanks. Analytical results for the field duplicates are included with the tables of results for each pond/area. No PCBs of any type were detected above the method detection limit in the field blank or equipment blank samples. The laboratory data sheets are presented in Appendix F.

### 5.8 Miscellaneous

One sample of sludge cake was obtained from the output of the sludge press. The cake was analyzed for PCBs according to EPA Method 8080. PCB 1254 was detected at a concentration of 7,200 ug/Kg. No other types of PCBs were detected in the sample. The laboratory data sheet is presented in Appendix G.

## 6.0 QUALITY CONTROL ACTIVITIES

This section presents a detailed description of the quality control activities performed during this project. The

TABLE 13

TRUCK AND EQUIPMENT WIPE SAMPLES

| Sample ID# | Date Sampled | PCB Type | Results (ug/100cm2) |
|---|---|---|---|
| TRUCK WIPE SAMPLES | | | |
| TW-202-017-06 | 2/2/90 | 1242 | 1.60 |
| TW-202-017-06 | 2/2/90 | 1254 | 0.68 |
| TW-202-07-05 | 2/2/90 | 1260 | 3.10 |
| TW-202-07-05 | 2/2/90 | 1242 | 0.88 |
| TW-207-07-01 | 2/7/90 | 1242 | 0.51 |
| TW-207-07-01 | 2/7/90 | 1260 | 1.50 |
| TW-220-06-01 | 2/20/90 | 1254 | 0.71 |
| EQUIPMENT WIPE SAMPLES | | | |
| EW-222-01 | 2/22/90 | 1254 | 2.20 |
| EW-222-01 | 2/22/90 | 1254 | 2.40 |
| EW-710-1 | 7/10/90 | 1254 | 1.10 |
| EW-710-2 | 7/10/90 | 1254 | 1.10 |
| EW-717-02 | 7/17/90 | 1254 | 5.40 |
| EW-717-06 | 7/17/90 | 1254 | 0.73 |
| EW-718-01 | 7/18/90 | 1254 | 0.91 |
| EW-718-02 | 7/18/90 | 1254 | 0.51 |
| EW-718-07 | 7/18/90 | 1254 | 0.58 |
| EW-718-08 | 7/18/90 | 1254 | 0.56 |
| EW-718-11 | 7/18/90 | 1254 | 0.84 |
| EW-718-17 | 7/18/90 | 1254 | 3.70 |
| EW-719-01 | 7/19/90 | 1254 | 1.60 |
| EW-719-02 | 7/19/90 | 1254 | 0.97 |
| EW-719-03 | 7/19/90 | 1254 | 2.90 |
| EW-719-04 | 7/19/90 | 1254 | 0.67 |
| EW-719-05 | 7/19/90 | 1254 | 1.30 |
| EW-720-02 | 7/20/90 | 1254 | 1.50 |
| EW-720-03 | 7/20/90 | 1254 | 0.56 |
| EW-720-04 | 7/20/90 | 1254 | 0.65 |
| EW-725-03 | 7/25/90 | 1254 | 1.90 |
| EW-725-05 | 7/25/90 | 1254 | 1.70 |
| EW-725-07 | 7/25/90 | 1254 | 2.50 |
| EW-725-08 | 7/25/90 | 1254 | 1.20 |
| EW-725-09 | 7/25/90 | 1254 | 3.30 |
| EW-725-11 | 7/25/90 | 1254 | 0.70 |
| EW-725-12 | 7/25/90 | 1254 | 3.20 |
| EW-725-16 | 7/25/90 | 1254 | 0.81 |
| EW-725-17 | 7/25/90 | 1254 | 0.74 |
| EW-725-24 | 7/25/90 | 1254 | 1.70 |
| EW-802-1 | 8/2/90 | 1254 | 5.30 |
| EW-802-2 | 8/2/90 | 1254 | 7.30 |
| EW-802-3 | 8/2/90 | 1254 | 7.30 |

* Where no results were reported, there were no concentrations of PCB's reported above the detection limit.

TABLE 14

## PERCENT SOLIDS AND UNIT WEIGHT DETERMINATION

| SAMPLE NO. | DATE | % SOLID | TYPE | UNIT WT. (LB./CU.FT.) |
|---|---|---|---|---|
| SSD-1219-00-01 | 12/19/89 | 51.10 | SLUDGE | |
| SSD-1226-00-01 | 12/26/89 | 22.40 | SLUDGE | |
| SSD-1226-00-02 | 12/26/89 | 19.50 | SLUDGE | |
| SSD-0106-00-01 | 1/6/90 | 14.60 | SLUDGE | |
| SSD-0108-00-01 | 1/8/90 | 16.40 | SLUDGE | |
| SSD-122-01-02 | 1/22/90 | 33.82 | SLUDGE | |
| SSD-122-03-01 | 1/22/90 | 28.44 | SLUDGE | |
| SSD-124-03-01 | 1/24/90 | 41.62 | SLUDGE | |
| SSD-124-FS03-02 | 1/24/90 | 42.33 | SLUDGE | |
| SSD-125-013-01 | 1/25/90 | 42.10 | SLUDGE | 77.20 |
| SSD-125-017-02 | 1/25/90 | 56.63 | SLUDGE | 90.60 |
| SSD-126-01-02 | 1/26/90 | 52.47 | SLUDGE | |
| SSD-126-03-01 | 1/26/90 | 50.54 | SLUDGE | |
| SSD-129-013-01 | 1/29/90 | 51.49 | SLUDGE | |
| SSD-129-017-02 | 1/29/90 | 55.21 | SLUDGE | |
| SSD-201-01-01 | 2/1/90 | 48.00 | SLUDGE | |
| SSD-201-03-01 | 2/1/90 | 47.90 | SLUDGE | |
| SSD-202-017-01 | 2/2/90 | 48.00 | SLUDGE | |
| SSD-202-07-01 | 2/2/90 | 49.70 | SLUDGE | |
| SSD-205-01-01 | 2/5/90 | 42.90 | SLUDGE | 87.40 |
| SSD-205-03-01 | 2/5/90 | 43.10 | SLUDGE | 88.00 |
| SSD-205-07-01 | 2/5/90 | 54.20 | SLUDGE | 97.70 |
| SSD-206-012-01 | 2/6/90 | 44.60 | SLUDGE | 89.30 |
| SSD-206-L03-01 | 2/6/90 | 42.30 | SLUDGE | 86.60 |
| SSD-207-01-01 | 2/7/90 | 46.40 | SLUDGE | 90.70 |
| SSD-207-03-01 | 2/7/90 | 53.10 | SLUDGE | 95.90 |
| SSD-207-07-01 | 2/7/90 | 47.50 | SLUDGE | 84.30 |
| SSD-208-L02-01 | 2/8/90 | 47.80 | SLUDGE | 89.70 |
| SSD-209-012-01 | 2/9/90 | 47.31 | SLUDGE | 93.14 |
| SSD-209-01-01 | 2/9/90 | 47.55 | SLUDGE | 93.14 |
| SSD-209-07-01 | 2/9/90 | 45.82 | SLUDGE | 89.70 |
| SSD-209-L03-01 | 2/9/90 | 28.12 | SLUDGE | 73.57 |
| SSD-212-012-01 | 2/12/90 | 47.36 | SLUDGE | 92.14 |
| SSD-212-018-01 | 2/12/90 | 53.90 | SLUDGE | 93.57 |
| SSD-212-L02-01 | 2/12/90 | 46.97 | SLUDGE | 89.14 |
| SSD-213-01-01 | 2/13/90 | 52.07 | SLUDGE | 93.57 |
| SSD-213-06-01 | 2/13/90 | 54.92 | SLUDGE | 95.71 |
| SSD-213-L03-01 | 2/13/90 | 54.46 | SLUDGE | 95.00 |
| SSD-214-012-01 | 2/14/90 | 49.85 | SLUDGE | 93.57 |
| SSD-214-018-01 | 2/14/90 | 53.53 | SLUDGE | 93.57 |
| SSD-214-L02-01 | 2/14/90 | 41.39 | SLUDGE | 82.86 |
| SSD-215-L03-01 | 2/15/90 | 38.53 | SLUDGE | 85.29 |
| SSD-216-017-01 | 2/16/90 | 44.20 | SLUDGE | 90.00 |
| SSD-216-018-01 | 2/16/90 | 58.10 | SLUDGE | 104.60 |
| SSD-216-01-01 | 2/16/90 | 43.70 | SLUDGE | 90.00 |
| SSD-216-06-01 | 2/16/90 | 49.90 | SLUDGE | 93.10 |
| SSD-216-L02-01 | 2/16/90 | 48.40 | SLUDGE | 94.30 |

TABLE 14

PERCENT SOLIDS AND UNIT WEIGHT DETERMINATION

| SAMPLE NO. | DATE | % SOLID | TYPE | UNIT WT. (LB./CU.FT.) |
|---|---|---|---|---|
| SSD-219-012-01 | 2/19/90 | 48.80 | SLUDGE | 92.40 |
| SSD-219-01-01 | 2/19/90 | 55.10 | SLUDGE | 100.90 |
| SSD-219-L03-01 | 2/19/90 | 40.20 | SLUDGE | 83.40 |
| SSD-220-06-01 | 2/20/90 | 69.00 | SLUDGE | 116.60 |
| SSD-220-L02-01 | 2/20/90 | 39.50 | SLUDGE | 87.10 |
| SSD-221-012-01 | 2/21/90 | 49.50 | SLUDGE | 90.60 |
| SSD-221-015-01 | 2/21/90 | 40.00 | SLUDGE | 85.40 |
| SSD-221-017-01 | 2/21/90 | 52.00 | SLUDGE | 93.60 |
| SSD-221-018-01 | 2/21/90 | 59.70 | SLUDGE | 103.10 |
| SSD-221-L03-01 | 2/21/90 | 58.00 | SLUDGE | 103.10 |
| SSD-222-01-01 | 2/22/90 | 58.80 | SLUDGE | 105.10 |
| SSD-222-020-01 | 2/22/90 | 53.50 | SLUDGE | 100.60 |
| SSD-222-L02-01 | 2/22/90 | 57.00 | SLUDGE | 101.60 |
| SSD-223-015-01 | 2/23/90 | 51.80 | SLUDGE | 101.71 |
| SSD-223-017-01 | 2/23/90 | 43.97 | SLUDGE | 91.86 |
| SSD-223-08 | 2/23/90 | 53.66 | SLUDGE | 93.24 |
| SSD-226-017-01 | 2/26/90 | 30.07 | SLUDGE | 80.97 |
| SSD-226-018-01 | 2/26/90 | 54.01 | SLUDGE | 96.43 |
| SSD-226-01-01 | 2/26/90 | 53.40 | SLUDGE | 90.66 |
| SSD-226-L03-01 | 2/26/90 | 37.00 | SLUDGE | |
| SSD-227-012-01 | 2/27/90 | 44.13 | SLUDGE | 88.68 |
| SSD-227-015-01 | 2/27/90 | 42.08 | SLUDGE | 82.79 |
| SSD-227-L02-01 | 2/27/90 | 38.52 | SLUDGE | 83.09 |
| SSD-228-01-01 | 2/28/90 | 31.71 | SLUDGE | 77.79 |
| SSD-228-020-01 | 2/28/90 | 38.31 | SLUDGE | 80.44 |
| SSD-228-L03-01 | 2/28/90 | 45.00 | SLUDGE | 78.68 |
| SSD-032-017-01 | 3/2/90 | 31.80 | SLUDGE | 78.70 |
| SSD-032-018-01 | 3/2/90 | 40.20 | SLUDGE | 86.80 |
| SSD-305-015-01 | 3/5/90 | 39.50 | SLUDGE | 79.00 |
| SSD-305-01-01 | 3/5/90 | 46.00 | SLUDGE | 87.90 |
| SSD-305-020-01 | 3/5/90 | 35.70 | SLUDGE | 79.30 |
| SSD-306-012-01 | 3/6/90 | 58.10 | SLUDGE | 97.90 |
| SSD-306-018-01 | 3/6/90 | 57.00 | SLUDGE | 98.50 |
| SSD-306-L02-01 | 3/6/90 | 54.00 | SLUDGE | 96.20 |
| SSD-307-015-01 | 3/7/90 | 53.50 | SLUDGE | 96.60 |
| SSD-307-017-01 | 3/7/90 | 58.00 | SLUDGE | 97.50 |
| SSD-307-L03-01 | 3/7/90 | 54.50 | SLUDGE | 93.80 |
| SSD-308-01 | 3/8/90 | 5.20 | SLUDGE | |
| SSD-308-02 | 3/8/90 | 5.10 | SLUDGE | |
| SSD-308-020-01 | 3/8/90 | 38.70 | SLUDGE | 84.00 |
| SSD-308-03 | 3/8/90 | 5.40 | SLUDGE | |
| SSD-308-04 | 3/8/90 | 10.50 | SLUDGE | |
| SSD-308-05 | 3/8/90 | 8.20 | SLUDGE | |
| SSD-308-06 | 3/8/90 | 7.00 | SLUDGE | |
| SSD-308-07 | 3/8/90 | 11.50 | SLUDGE | |
| SSD-06-57 | 5/7/90 | 14.70 | SLUDGE | 74.44 |
| SSD-08-57 | 5/7/90 | 19.89 | SLUDGE | 77.38 |

TABLE 14

PERCENT SOLIDS AND UNIT WEIGHT DETERMINATION

| SAMPLE NO. | DATE | % SOLID | TYPE | UNIT WT. (LB./CU.FT.) |
|---|---|---|---|---|
| SSD-014-57 | 5/7/90 | 13.33 | SLUDGE | 73.41 |
| SSD-510-01 | 5/10/90 | 6.00 | SLUDGE | 60.00 |
| SSD-510-01 | 5/10/90 | 6.09 | SLUDGE | 61.32 |
| SSD-510-012 | 5/10/90 | 0.07 | SLUDGE | 65.00 |
| SSD-510-012 | 5/10/90 | 6.80 | SLUDGE | 65.00 |
| SSD-510-L03 | 5/10/90 | 8.00 | SLUDGE | 64.71 |
| SSD-510-L03 | 5/10/90 | 7.79 | SLUDGE | 57.00 |
| SSD-511-014 | 5/11/90 | 8.70 | SLUDGE | 66.00 |
| SSD-511-06 | 5/11/90 | 5.20 | SLUDGE | 64.10 |
| SSD-511-08 | 5/11/90 | 6.10 | SLUDGE | 65.00 |
| SSD-514-01 | 5/14/90 | 15.20 | SLUDGE | 68.50 |
| SSD-514-012 | 5/14/90 | 11.10 | SLUDGE | 63.80 |
| SSD-514-L03 | 5/14/90 | 13.00 | SLUDGE | 66.70 |
| SSD-515-014 | 5/15/90 | 61.40 | SLUDGE | 80.50 |
| SSD-515-06 | 5/15/90 | 34.00 | SLUDGE | 77.00 |
| SSD-515-08 | 5/15/90 | 53.00 | SLUDGE | 74.70 |
| SSD-516-01 | 5/16/90 | 49.00 | SLUDGE | 88.00 |
| SSD-516-012 | 5/16/90 | 48.60 | SLUDGE | 87.20 |
| SSD-516-L03 | 5/16/90 | 41.30 | SLUDGE | 82.90 |
| SSD-516-ZONE1 | 5/16/90 | 9.93 | SLUDGE | |
| SSD-516-ZONE3 | 5/16/90 | 8.80 | SLUDGE | |
| SSD-517-014 | 5/17/90 | 43.60 | SLUDGE | 84.50 |
| SSD-517-06 | 5/17/90 | 46.40 | SLUDGE | 87.30 |
| SSD-517-08 | 5/17/90 | 40.00 | SLUDGE | 80.70 |
| SSD-518-01 | 5/18/90 | 46.39 | SLUDGE | 88.24 |
| SSD-518-011 | 5/18/90 | 46.62 | SLUDGE | 86.32 |
| SSD-518-L03 | 5/18/90 | 47.74 | SLUDGE | 87.06 |
| SSD-521-01 | 5/21/90 | 51.12 | SLUDGE | 91.76 |
| SSD-521-014 | 5/21/90 | 54.29 | SLUDGE | 94.85 |
| SSD-521-06 | 5/21/90 | 54.84 | SLUDGE | 91.62 |
| SSD-522-01 | 5/22/90 | 53.39 | SLUDGE | 95.59 |
| SSD-522-012 | 5/22/90 | 54.20 | SLUDGE | 91.62 |
| SSD-522-L03 | 5/22/90 | 50.95 | SLUDGE | 90.88 |
| SSD-523-014 | 5/23/90 | 51.56 | SLUDGE | 95.15 |
| SSD-523-06 | 5/23/90 | 52.52 | SLUDGE | 92.21 |
| SSD-524-01 | 5/24/90 | 51.30 | SLUDGE | 91.91 |
| SSD-524-012 | 5/24/90 | 50.12 | SLUDGE | 89.41 |
| SSD-524-L02 | 5/24/90 | 49.41 | SLUDGE | 90.00 |
| SSD-525-014 | 5/25/90 | 50.00 | SLUDGE | 92.94 |
| SSD-525-06 | 5/25/90 | 52.40 | SLUDGE | 93.24 |
| SSD-525-08 | 5/25/90 | 52.40 | SLUDGE | 94.70 |
| SSD-529-01 | 5/29/90 | 47.00 | SLUDGE | 90.00 |
| SSD-529-012 | 5/29/90 | 51.80 | SLUDGE | 94.00 |
| SSD-529-L05 | 5/29/90 | 52.00 | SLUDGE | 88.50 |
| SSD-530-014 | 5/30/90 | 47.00 | SLUDGE | 89.70 |
| SSD-530-06 | 5/30/90 | 52.60 | SLUDGE | 93.60 |
| SSD-530-08 | 5/30/90 | 51.70 | SLUDGE | 91.90 |

TABLE 14

## PERCENT SOLIDS AND UNIT WEIGHT DETERMINATION

| SAMPLE NO. | DATE | % SOLID | TYPE | UNIT WT. (LB./CU.FT.) |
|---|---|---|---|---|
| SSD-531-01 | 5/31/90 | 42.00 | SLUDGE | 87.70 |
| SSD-531-012 | 5/31/90 | 44.00 | SLUDGE | 85.00 |
| SSD-531-L03 | 5/31/90 | 43.00 | SLUDGE | 82.90 |
| SSD-58-01 | 5/8/90 | 19.10 | SLUDGE | 70.88 |
| SSD-58-011 | 5/8/90 | 16.24 | SLUDGE | 69.70 |
| SSD-58-L03 | 5/8/90 | 22.99 | SLUDGE | 78.24 |
| SSD-59-014 | 5/9/90 | 14.83 | SLUDGE | 70.29 |
| SSD-59-06 | 5/9/90 | 18.21 | SLUDGE | 71.62 |
| SSD-59-08 | 5/9/90 | 37.66 | SLUDGE | 81.32 |
| SSD-601-014 | 6/1/90 | 13.90 | SLUDGE | 82.60 |
| SSD-601-06 | 6/1/90 | 27.00 | SLUDGE | 86.00 |
| SSD-601-08 | 6/1/90 | 16.40 | SLUDGE | 81.17 |
| SSD-064-01 | 6/4/90 | 57.00 | SLUDGE | 88.00 |
| SSD-064-08 | 6/4/90 | 61.70 | SLUDGE | 90.00 |
| SSD-064-L03 | 6/4/90 | 62.00 | SLUDGE | 94.00 |
| SSD-605-012 | 6/5/90 | 41.00 | SLUDGE | 84.00 |
| SSD-605-014 | 6/5/90 | 43.00 | SLUDGE | 87.00 |
| SSD-605-06 | 6/5/90 | 43.00 | SLUDGE | 85.00 |
| SSD-606-01 | 6/6/90 | 44.00 | SLUDGE | 80.00 |
| SSD-606-08 | 6/6/90 | 36.28 | SLUDGE | 83.00 |
| SSD-606-L03 | 6/6/90 | 44.00 | SLUDGE | 90.00 |
| SSD-606-ZONE1 | 6/6/90 | 10.00 | SLUDGE | 66.40 |
| SSD-606-ZONE3 | 6/6/90 | 17.00 | SLUDGE | 67.90 |
| SSD-607-012 | 6/7/90 | 36.44 | SLUDGE | 86.80 |
| SSD-607-06 | 6/7/90 | 36.28 | SLUDGE | 76.00 |
| SSD-611-014 | 6/11/90 | 42.74 | SLUDGE | 85.29 |
| SSD-611-06 | 6/11/90 | 18.20 | SLUDGE | 69.41 |
| SSD-624-FRTZONE | 6/24/90 | 33.00 | SLUDGE | 73.82 |
| SSD-624-MIDZONE | 6/24/90 | 0.12 | SLUDGE | 65.29 |
| SSD-627-TL04 | 6/27/90 | 37.00 | SLUDGE | 76.00 |
| SSD-628-T04 | 6/28/90 | 32.00 | SLUDGE | |
| SSD-628-T06 | 6/28/90 | 14.00 | SLUDGE | 66.00 |
| SSD-628-TANK1 | 6/28/90 | 32.00 | SLUDGE | 73.00 |
| SSD-628-TANK2 | 6/28/90 | 25.00 | SLUDGE | 71.00 |
| SSD-629-T01 | 6/29/90 | 37.00 | SLUDGE | 76.00 |
| SSD-629-TO3 | 6/29/90 | 22.00 | SLUDGE | 72.00 |
| SSD-630-T05 | 6/30/90 | 32.52 | SLUDGE | 77.94 |
| SSD-709-T01 | 7/9/90 | 46.00 | SLUDGE | 84.00 |
| SSD-709-T03 | 7/9/90 | 37.00 | SLUDGE | 82.00 |
| SSD-710-T04 | 7/10/90 | 35.00 | SLUDGE | 72.00 |
| SSD-710-T07 | 7/10/90 | 33.00 | SLUDGE | 77.00 |
| SSD-710-T08 | 7/10/90 | 31.00 | SLUDGE | 75.00 |
| SSD-712-T02 | 7/12/90 | 43.00 | SLUDGE | 87.00 |
| SSD-712-T03 | 7/12/90 | 43.00 | SLUDGE | 80.00 |
| SSD-712-T06 | 7/12/90 | 44.00 | SLUDGE | 82.00 |
| SSD-713-T01 | 7/13/90 | 0.49 | SLUDGE | 81.40 |
| SSD-713-T08 | 7/13/90 | 43.00 | SLUDGE | 83.00 |

TABLE 14

## PERCENT SOLIDS AND UNIT WEIGHT DETERMINATION

| SAMPLE NO. | DATE | % SOLID | TYPE | UNIT WT. (LB./CU.FT.) |
|---|---|---|---|---|
| SSD-714-T07 | 7/14/90 | 58.90 | SLUDGE | 85.40 |
| SSD-716-T03-01 | 7/16/90 | 41.40 | SLUDGE | 85.00 |
| SSD-716-T05-01 | 7/16/90 | 40.80 | SLUDGE | 83.40 |
| SSD-72-DT04 | 7/2/90 | 32.34 | SLUDGE | 76.62 |
| SSD-72-T02 | 7/2/90 | 48.18 | SLUDGE | 93.24 |
| SSD-73-T04 | 7/3/90 | 41.13 | SLUDGE | 93.09 |
| SSD-73-T07 | 7/3/90 | 53.66 | SLUDGE | 101.62 |
| SSD-75-T03 | 7/5/90 | 39.92 | SLUDGE | 84.56 |
| SSD-75-T04 | 7/5/90 | 39.85 | SLUDGE | 86.03 |
| SSD-76-T02 | 7/6/90 | 53.00 | SLUDGE | 90.50 |
| SSD-76-T05 | 7/6/90 | 44.00 | SLUDGE | 84.00 |
| SSD-627-TL04 | 6/27/90 | 67.00 | CAKE | |
| SSD-628-T04 | 6/28/90 | 70.00 | CAKE | |
| SSD-628-T06 | 6/28/90 | 67.00 | CAKE | |
| SSD-629-T01 | 6/29/90 | 75.00 | CAKE | |
| SSD-629-T03 | 6/29/90 | 68.50 | CAKE | |
| SSD-630-T05 | 6/30/90 | 67.51 | CAKE | |
| SSD-709-T01 | 7/9/90 | 66.00 | CAKE | |
| SSD-709-T03 | 7/9/90 | 68.00 | CAKE | |
| SSD-710-T04 | 7/10/90 | 65.00 | CAKE | |
| SSD-710-T07 | 7/10/90 | 69.00 | CAKE | |
| SSD-710-T08 | 7/10/90 | 63.00 | CAKE | |
| SSD-711-T05 | 7/11/90 | 64.00 | CAKE | |
| SSD-712-T02 | 7/12/90 | 68.00 | CAKE | |
| SSD-712-T03 | 7/12/90 | 67.00 | CAKE | |
| SSD-712-T06 | 7/12/90 | 69.00 | CAKE | |
| SSD-713-T01 | 7/13/90 | 70.00 | CAKE | |
| SSD-713-T08 | 7/13/90 | 70.00 | CAKE | |
| SSD-714-T07 | 7/14/90 | 67.70 | CAKE | |
| SSD-716-T02-01 | 7/16/90 | 75.00 | CAKE | |
| SSD-716-T03-02 | 7/16/90 | 72.00 | CAKE | |
| SSD-716-T05-02 | 7/16/90 | 67.60 | CAKE | |
| SSD-72-DT04 | 7/2/90 | 69.34 | CAKE | |
| SSD-72-T02 | 7/2/90 | 74.39 | CAKE | |
| SSD-73-T04 | 7/3/90 | 69.49 | CAKE | |
| SSD-73-T07 | 7/3/90 | 71.67 | CAKE | |
| SSD-75-T03 | 7/5/90 | 60.66 | CAKE | |
| SSD-75-T04 | 7/5/90 | 68.44 | CAKE | |
| SSD-76-T02 | 7/6/90 | 66.00 | CAKE | |
| SSD-76-T05 | 7/6/90 | 62.00 | CAKE | |

Contractor's Plan (CCQCP) and Verification Sampling Plan (VSP) developed for this project governed all sampling activities and laboratory analyses.

## 6.1 QC Approach

The CCQCP and VSP were developed to provide guidelines and procedures useful for assuring accurate, precise, representative, legally defensible, and comparable data. In the CCQCP and VSP quality control protocols were established for the activities involved in the sampling and laboratory analysis efforts. Protocols for the following activities were established:

- Sample collection, preservation and storage;
- Laboratory sample analysis;
- Calibration of laboratory instruments and apparatus;
- Data reduction, validation, and reporting; and
- Internal quality control.

In addition to providing protocols for sampling and analysis activities, the CCQCP and VSP also defined procedures to assess the quality of the data generated. To assess the qualitative and quantitative limitations of the data generated, the following procedures were implemented:

- Analysis of duplicate samples;
- Analysis of laboratory blank samples;
- Determination of surrogate recoveries; and
- Determination of matrix spike and matrix spike replicate recoveries.

Presented in the following paragraphs are descriptions of how each of the above procedures are used to evaluate the data quality.

### 6.1.1 Duplicate Sample Analyses

Duplicate samples and duplicate analyses were used to indicate measurement data precision. Precision is indicated by the mutual agreement amount individual measurements of the same constituents under prescribed similar conditions. Variability among the measurements can be attributable to random error caused by imprecision. In the laboratory, repeatability is controlled by performing duplicate analyses, whereby the analytical process is repeated for separate aliquots of single samples while prescribed elements of the process are kept constant. For example, duplicate analyses are usually performed on the same day, by the same analyst, using the same instrument and the same calibration. Differences in the results for duplicate analyses, attributable to random variability in the analytical process, are monitored to control analytical precision within normal limits.

In contrast to duplicate analyses which are used to control analytical precision, results for analysis of duplicate samples can provide an estimate of overall measurement precision. The analysis of duplicate samples involves replicating sample collection (and the associated sample handling activities) and sample analysis. Precision estimates based on duplicate sample results incorporate imprecision caused by sampling and analytical variability, and are used to assess data quality. Because of the lag between sample collection and the availability of analytical results, it was not possible to initiate corrective action based on duplicate sample data. Also, variability in duplicate sample results typically includes a component attributable to inherent nonhomogeneity of the sample or sample matrix.

### 6.1.2 Blank Samples

Blank samples qualitatively ensure that the analytes detected in

the field samples are characteristic of the media sampled and not artifacts of the sampling and/or analytical process.

Laboratory (method) blanks address only the analytical measurement process. Typically included with each batch samples analyzed, they demonstrate that all glassware and reagents are interference-free. Each time a set of samples is extracted or there is a change in reagents, a laboratory blank is processed as a safeguard against chronic laboratory contamination. Laboratory blanks are carried through all stages of sample preparation and analysis.

Equipment Blanks reflect the combined effects of sample collection, handling, transportation, storage, and analysis. Since often it is not feasible to resample when equipment blanks indicate possible sample contamination, equipment blank data are used to define the qualitative limitations of the associated measurement data. The presence of analytes of interest in either the equipment or laboratory blanks suggests that corresponding field samples may have been similarly contaminated and that results for these analytes should be considered suspect. If the blank data show a given analyte at widely varying concentrations, or at concentrations comparable to those for field samples, then the field sample results should be viewed as possible false positives for that analyte.

Field blanks were used to evaluate if the sample containers were a possible source of outside contamination. Field blanks consisted of unopened sample containers shipped with the samples and analyzed in the laboratory for PCBs. Field blanks were collected at a rate of 1% of the sample containers used.

### 6.1.3 Surrogate Recoveries

The protocol for analysis of organic compounds by gas chromatography required the use of surrogate-spiked samples.

Surrogates are organic compounds which are chemically similar to the analytes of interest, but which are not normally found in environmental samples. Surrogates were added to samples to monitor the effect of the matrix upon the accuracy of the analysis. Results were reported in terms of percent recovery.

### 6.1.4 Matrix Spike Recoveries

A matrix spike is an environmental sample to which known concentrations of analytes have been added. The matrix spike was taken through the entire analytical process and the recovery of analytes calculated. Results were expressed as percent recovery. The matrix spike was used to evaluate the effect of the sample matrix on the accuracy of the analysis. For a single sample, this included the combined effects of bias, or systematic error, and variability due to imprecision. Averaging spike recoveries for multiple samples tends to "average out" the random error caused by imprecision, thus providing an estimate of analytical bias. Additionally, duplicate analyses of the matrix spike were conducted to measure the precision of the matrix spike analyses.

### 6.1.5 Quality Control Check Standards

Quality control check standards were used to assess analytical performance under a given set of standard conditions. These were synthetic samples (prepared independently of calibration standards) containing some or all of the parameters of interest at known concentrations. Quality control check standards were analyzed with each set of samples. By comparing measured values to pre-established acceptability limits, quality control check standards results are often used as a real-time check of analytical system spiked samples, they allow day-to-day consideration of variability and are useful in identifying trends.

## 6.2 Summary of Quality Control Results

Quality Control data generated during the analysis of the samples for this project indicates the analyses were conducted according to the established project protocols, that the analytical systems operated within acceptable performance criteria, and that the generated data were generally within expected limits of uncertainty. Based on adherence to pre-estimated acceptance criteria for spike recoveries and blank sample results, the most significant areas where the generated data should be considered in light of quality control data are presented below:

PCBs/Pesticides

- High average (98%) matrix spike recoveries (PCBs).
- Low average (55%) surrogate recoveries (PCBs).
- Low average (7.2%) coefficient of variation for matrix spike recoveries (PCBs).
- Moderately high average (47%) coefficient of variation for surrogate recoveries (PCBs).
- High average (135%) matrix spike recoveries (Pesticides).
- Low average (16%) coefficient of variation for matrix spike recoveries (Pesticides).

Volatile Organics

- High mean (123%) recoveries for matrix spikes.
- Low mean (2.8%) coefficient of variation for matrix spike recoveries.
- High mean (97%) recovery for surrogate spikes.
- Low mean (3.3%) coefficient of variation for surrogate spike recoveries.

Semi-volatile Organics

- Very high mean (253%) recoveries for matrix spikes.
- Moderately high mean (30%) coefficient of variation for matrix spike recoveries.
- Moderate mean (60%) recoveries for surrogate spikes.
- Moderately high (41%) coefficient of variation for surrogate spike recoveries.
- Bis (2-Ethylhexyl) phthalate and phenol found in the method blanks.
- All recoveries were positively bias (above the method acceptance criteria).

EP Toxicity Leachates

- High mean (91%) recoveries for matrix spikes.
- Low mean (5.3%) coefficient of variation for matrix spike recoveries.
- Very low concentrations of Arsenic, Barium, Cadmium, Chromium, Selenium, and Silver were detected in the method blank samples.

Inorganic Analyses

- Very low (40%) recovery for Selenium.
- Erratic recoveries for Selenium (97% coefficient of variations).
- Majority of the matrix spike recoveries were outside of the acceptance criteria.
- Very low concentrations of Cadmium, Lead, Selenium, and Cyanide were detected in the method blank samples.

The quality control data and potential problems cited above are discussed in the following sections. Although recoveries outside of method acceptance criteria and blank contamination were reported, these were considered to be minor deficiencies. These deficiencies, however, should be considered in interpreting the field sample analysis results.

The dirty nature of the sample matrix had an effect on matrix spike recoveries. However, recoveries were generally good. Laboratory method blank contamination was attributed to common laboratory contaminants. Measurement precision is generally good considering the nature of the samples and the concentration levels.

## 6.3 QC Results for PCB/Pesticides Analyses

Various samples were analyzed for polychlorinated biphenyls (PCBs) and pesticides using gas chromatography according to EPA/SW-846 Method 8080, 3rd Edition. Samples were extracted following procedures outlined in the method. A 2-5 uL sample was injected into a gas chromatograph (GC) using the solvent flush technique, and compounds in the effluent were detected by an electron capture detector (ECD).

### 6.3.1 Calibration

The external standard quantitation discussed in the method was used to quantitate all PCBs. The retention time window was calculated for each PCB isomer after adjusting the GC operating conditions for the routine retention times of 4, 4'-DDT. The GC/ECD was calibrated at a minimum of five concentrations.

A QC check standard consisting of 14 compounds was analyzed prior to PCB sample analysis. The area count for each compound in the check standard was then compared to the area counts obtained the last time the standard was analyzed. The area counts for each compound were required to be within 25 percent of each other, although three of the 14 compounds are allowed to exceed this criteria.

### 6.3.2 Duplicate Sample Results

Precision estimate based on PCBs detected in duplicate sample pairs are summarized in Table 16. These estimates include imprecision due to sample heterogeneity as well as sample preparation. Based on results for 8 pairs of duplicates of PCB-1254, the average coefficient of variation was 10.8%.

### 6.3.3 Blank Sample Results

16 equipment and 3 field blanks were analyzed for PCBs. No PCBs were detected above the method detection limits in these samples. The laboratory data sheets are presented in Appendix F. In addition to the equipment and field blank samples, laboratory method blank samples were analyzed. During the analysis of the samples from the site, PCB-1254 was detected in the blank samples for two samples. PCB-1254 was detected at a concentration of 0.1 ug/Kg in the method blank samples for DECW-310-01 and DECW-310-02.

As the PCB concentrations in the residue from these samples was much larger than that found in the method blank samples, the background contamination found in the method blank contributed very little to the concentration found in the DECW samples. The method blank samples summaries are presented in Appendix H.

In addition to PCB-1254 being detected in several of the laboratory blank samples, the pesticides Aldrin, Endrin, DDT.PP' were also detected. The Aldrin concentration was 0.190 ug/Kg, Endrin - 0.009, and DDT,PP' detected at a concentration 5.21 ug/Kg. As these concentrations were below the reporting detection limits for the sludge/soil samples analyzed, they had very little effect on the outcome of the analysis. The method blank sample summaries are presented in Appendix H.

### 6.3.4 Surrogate Recoveries

One surrogate compound, dibutylchlorendate, was added to the water, residue, wipe, and sludge/soil samples to be for PCBs by GC/ECD as a measure of extraction efficiency and GC performance. The mean percent recoveries, the coefficient of variation for individual sample recoveries, and the number outside the acceptance criteria are shown on Table 15.

The surrogate recoveries showed only fair measurement accuracy for the PCB analyses. For the water, residue,and wipe sample, none of the surrogate recoveries were outside of the acceptance criteria. The average recovery for these samples was 57.9%, while the average coefficient of variation was 29.9%. For the sludge/soil samples, 21 out of 60 surrogate recoveries were out of the acceptance criteria. The average recovery was a low 46%, while the coefficient of variation was very high at 97.5%. With the recoveries ranging from 46% to 62% and the coefficients of variation ranging from 27% to 98%, the surrogate showed only fair repeatability and accuracy.

### 6.3.5 Matrix Spike Recoveries

Ten water samples, nine water residue samples, four wipe samples, and seven sludge/soil samples were spiked with PCB-1254 to assess matrix effects on analytic recovery. The mean recoveries, coefficient of variation of the recoveries, and the acceptance criteria is presented in Table 15.

Good recoveries and precision were obtained with the PCB-1254 matrix spike. None of the water and wipe sample spike recoveries were outside of the acceptance criteria. One sample spike out of nine for the water residue samples was outside of the acceptance range. Four out of seven spike recoveries were outside the criteria. The average recovery for water, residue, and wipe sample spikes was 98% with an average coefficient of variation of 7.1%. Sludge/soil sample spikes had an average recovery of 93%, with an average coefficient of variation of 7.5%.

The coefficient of variation for the matrix spike duplicate sample could not be calculated. The recoveries were extremely out of the acceptance criteria. These extreme recoveries were due to the high concentration of PCB-1254 already present in the samples that were spiked. The high PCB-1254 concentrations masked the matrix spikes.

In addition to spiking the samples with PCB-1254, the sludge/soil samples were spiked with the following pesticides: Endrin and DDT,PP'. Each of these spikes were added to three samples. Two of the BHC,G (Lindane) spike recoveries, two of the Dieldrin, two of the Endrin, and two of the DDT,PP' spike recoveries were outside of the acceptance criteria. The average recovery for these spikes was 135.5% with an average coefficient of variation of 16.4%. The high recovery indicates a positive bias. As no pesticides were detected in the sludge/soil samples, this is not a concern. Had the bias been negative, the analyses results would be in question.

HOLLOMAN AIR FORCE BASE
HAZARDOUS WASTE SEWAGE
SLUGE REMOVAL - SUMMARY
CONTRACT NO. DACA45-88-C-0148

**TABLE** 15

SUMMARY OF SPIKED SAMPLE RESULTS

| Analyte/Sample | Number of Spiked Samples | Mean (% Recovery) | Precision (%Cv) | Number Outside Acceptence Criteria | Acceptence Criteria (% Recovery) |
|---|---|---|---|---|---|
| Method 8080 PCB-1254 | | | | | |
| Water | 10 | 97.0 | 6.5 | | 80-120 |
| Residue | 9 | 93.1 | 8.0 | 1 | 85-115 |
| Wipe | 4 | 104.0 | 6.8 | | 85-115 |
| Sludge/Soil | 7 | 93.0 | 7.5 | 4 | 85-115 |
| Method 8080 (Sludge/Soil) | | | | | |
| BHC, G(Lindane) | 3 | 128.3 | 18.5 | 2 | 60-130 |
| Heptachlor | 3 | 116.3 | 12.2 | | 60-130 |
| Aldrin | 3 | 115.3 | 11.5 | | 55-127 |
| Dieldrin | 3 | 134.3 | 19.6 | 2 | 60-130 |
| Endrin | 3 | 156.3 | 18.5 | 2 | 60-130 |
| DDT,PP' | 3 | 162.0 | 18.0 | 2 | 60-130 |
| Surrogate Dibutylchorendate | | | | | |
| Water | 54 | 56.3 | 33.8 | | 20-150 |
| Residue | 37 | 55.7 | 28.6 | | 20-150 |
| Wipe | 70 | 61.7 | 27.4 | | 20-150 |
| Sludge/Soil | 60 | 46.0 | 97.5 | 21 | 20-150 |
| Method 8240 (Sludge/Soil) | | | | | |
| 1,1-Dichloroethene | 2 | 96.5 | 2.2 | | 61-145 |
| Trichloroethene | 2 | 123.5 | 1.7 | | 62-137 |
| Benzene | 2 | 129.5 | 7.1 | | 66-142 |
| Toluene | 2 | 126.0 | 1.1 | | 59-139 |
| Chlorobenzene | 2 | 137.0 | 2.1 | 2 | 60-133 |
| Surrogate | | | | | |
| 1,2-Dichloroethane-D4 | 12 | 95.8 | 2.6 | | 50-160 |
| Toluene-D8 | 12 | 98.3 | 4.3 | | 50-160 |
| Bromofluorobenzene | 12 | 96.3 | 3.0 | | 50-160 |

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**TABLE 15**
(Continued)
SUMMARY OF SPIKED SAMPLE RESULTS

| Analyte/Sample | Number of Spiked Samples | Mean (% Recovery) | Precision (%Cv) | Number Outside Acceptence Criteria | Acceptence Criteria (% Recovery) |
|---|---|---|---|---|---|
| Method 8270 (Sludge/Soil) | | | | | |
| Phenol | 5 | 272.8 | 26.8 | 5 | 26-90 |
| 2-Chlorophenol | 5 | 269.8 | 29.0 | 5 | 25-102 |
| 1,4-Dichlorobenzene | 5 | 105.2 | 23.3 | 2 | 28-104 |
| N-Nitrosodi-N-Propylamine | 5 | 288.4 | 40.3 | 5 | 41-126 |
| 1,2,4-Trich'benzene | 5 | 171.0 | 24.9 | 5 | 38-107 |
| 4-Chloro-3-Methylphenol | 5 | 317.6 | 25.1 | 5 | 26-103 |
| Acenaphthene | 5 | 255.6 | 27.6 | 5 | 31-137 |
| 4-Nitrophenol | 5 | 323.4 | 57.3 | 5 | 11-114 |
| 2-4-Dinitrotoluene | 5 | 238.0 | 19.3 | 5 | 28-89 |
| Pentachlorophenol | 5 | 303.2 | 26.1 | 5 | 17-109 |
| Pyrene | 5 | 243.2 | 25.9 | 5 | 35-142 |
| Surrogate | | | | | |
| 2-Fluorophenol | 13 | 60.0 | 45.0 | 1 | 25-121 |
| Phenol-D(5) | 13 | 67.6 | 37.4 | 1 | 24-113 |
| Nitrobenzene-D(5) | 13 | 39.1 | 69.9 | 5 | 23-120 |
| 2-Fluorobiphenyl | 13 | 44.9 | 67.1 | 5 | 30-115 |
| 2,4,6-Tribromophenol | 13 | 76.8 | 14.8 | | 20-121 |
| Terphenyl-(D14) | 13 | 74.0 | 10.1 | | 18-137 |
| EP Toxicity (Sludge/Soil) | | | | | |
| Arsenic | 5 | 85.6 | 3.3 | | 80-120 |
| Barium | 5 | 90.5 | 5.8 | 1 | 85-115 |
| Cadmium | 5 | 85.1 | 3.5 | 2 | 85-115 |
| Chromium | 5 | 83.1 | 5.8 | 4 | 85-115 |
| Lead | 5 | 82.9 | 4.9 | 1 | 80-120 |
| Selenium | 5 | 89.0 | 3.5 | | 80-120 |
| Silver | 5 | 87.6 | 3.4 | | 75-125 |
| Mercury | 5 | 122.2 | 11.8 | 4 | 80-120 |

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**TABLE 15**
(Continued)
SUMMARY OF SPIKED SAMPLE RESULTS

| Analyte/Sample | Number of Spiked Samples | Mean (% Recovery) | Precision (%Cv) | Number Outside Acceptence Criteria | Acceptence Criteria (% Recovery) |
|---|---|---|---|---|---|
| Inorganic (Sludge/Soil) | | | | | |
| Arsenic | 5 | 121.0 | 10.8 | 3 | 75-125 |
| Barium | 3 | 122.4 | 18.0 | 2 | 75-125 |
| Cadmium | 3 | 123.2 | 18.1 | 2 | 75-125 |
| Chromium | 3 | 121.1 | 16.3 | 2 | 75-125 |
| Lead | 5 | 83.8 | 16.9 | 2 | 75-125 |
| Selenium | 5 | 39.7 | 96.5 | 4 | 75-125 |
| Silver | 3 | 61.8 | 19.5 | 2 | 75-125 |
| Mercury | 5 | 153.4 | 21.0 | 4 | 75-125 |
| Cyanide | 4 | 114.6 | 25.2 | 2 | 70-120 |

**TABLE 16**

SUMMARY OF FIELD DUPLICATE SAMPLE RESULTS

| Analyte/Sample | Number of Pairs | Pooled STD | Pooled % CV |
|---|---|---|---|
| Method 8080 | | | |
| PCB-1254 | 8 | 125.5 | 10.8 |
| Pesticides | 1 | 0.0 | 0.0 |
| Volatiles | | | |
| Acetone | 2 | 21.6 | 14.6 |
| 2-Butanone | 1 | 11.3 | 141.4 |
| Ethyle Benzene | 2 | 1.1 | 12.5 |
| Methylene Chloride | 1 | 30.4 | 141.4 |
| Toluene | 2 | 2.5 | 141.4 |
| Xylenes | 3 | 2.1 | 53.3 |
| Semi-Volatiles | | | |
| Bis(2-ethylhexyl)phthalate | 2 | 410.1 | 48.3 |
| Benzo(b)fluoranthene | 1 | 145.7 | 141.4 |
| Chrysene | 1 | 137.9 | 141.4 |
| Fluoranthene | 1 | 156.3 | 141.4 |
| Penanthrene | 1 | 79.9 | 141.4 |
| Pyrene | 1 | 44.5 | 24.8 |
| EP-Toxicity | | | |
| Arsenic | 2 | 0.0 | 0.0 |
| Barium | 2 | 0.0 | 0.0 |
| Cadmium | 2 | 0.0 | 0.0 |
| Chromium | 2 | 0.0004 | 3.4 |
| Lead | 2 | 0.0 | 0.0 |
| Selenium | 2 | 0.0 | 0.0 |
| Silver | 2 | 0.0 | 0.0 |
| Mercury | 2 | 0.0 | 0.0 |
| Inorganic Analysis | | | |
| Arsenic | 2 | 0.4 | 18.5 |
| Barium | 1 | 3.3 | 5.3 |
| Cadmium | 1 | 0.0 | 0.0 |
| Chromium | 1 | 0.02 | 0.4 |
| Lead | 2 | 0.4 | 19.2 |
| Selenium | 2 | 0.0 | 0.0 |
| Silver | 1 | 0.0 | 0.0 |
| Mercury | 2 | 0.02 | 27.2 |

The matrix spike duplicate recoveries for the pesticide spikes had an average coefficient of variation of 2.3%. The coefficients of variation ranged from 0.69% to 7.2%. The pesticide matrix spike duplicate analysis had good precision.

## 6.4 QC Results For Volatile Organic Analysis

The sludge/soil samples from the 37-point grids in Ponds A and B were analyzed for volatile organic compounds by EPA method 8240. Instrument calibration and results for analysis of blanks, surrogate spikes, matrix spikes, and duplicate samples are discussed below.

### 6.4.1 Calibration

The sludge/soil samples were analyzed for volatile organics by scanning gas chromatography/mass spectrometry (GC/MS). Initial calibration factors were generated from response factors and retention times derived from a five point calibration curve, relative to the closest eluting of three internal standards. The three internal standards are bromochloromethane, 1,4-diflourobenzene, and chlorobenzene-d5.

Each day of analysis, following tuning of the GC/MS, the calibration factors and internal standard responses were verified by analysis of calibration check compounds (CCC) and system performance check compounds (SPCC). The response for each of these checks was required to be within limits specified in the method. When the instrument was verified to be in a state of control, analyses proceeded.

<u>System Performance Check Compounds</u> - GC/MS analytical system performance with respect to the analysis of volatile organics was verified initially and after every 12 hours of sample analysis to

ensure a minimum average response factor of 0.3 (0.25 for bromoform) for five system performance check compounds (SPCCs). The five SPCCs are chloromethane, 1,1-dichloroethane, bromoform, 1,1,2,2-tetrachloroethane, and chlorobenzene.

Calibration Check Compounds - Following the system performance check, a calibration check was performed once every 12 hours of sample analysis using Method 8240 calibration check compounds (CCs). For each CCC analyzed, a response factor (RF) was calculated. The method specifies that the single-point RF for each CCC must be within 25 percent of the average five-point calibration RF for analysis to proceed. The six CCCs are 1,1-dichloroethane, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride.

### 6.4.2 Duplicate Sample Results

Six different compounds were detected during the duplicate sample analyses. A total of 11 pairs of compounds were analyzed. The coefficients of variation ranged from 12.5 to 141.4%, indicating that the precision ranged from very good to poor depending on the compound found. A summary of the duplicate sample precision measurements are presented on Table 16.

### 6.4.3 Blank Sample Results

During the analysis of the sludge/soil samples, laboratory method blanks were analyzed to control and assess laboratory contamination. The laboratory method blank analysis results are presented in Appendix H. No volatile organic compounds were detected above the method detection limits in any of the blanks.

### 6.4.4 Surrogate Recoveries

These surrogate standards, 1-2-dichloroethane-d4, Toluene-d8, and p-bromofluorobenzene were added to samples analyzed to monitor extraction efficiency and to provide estimates of measurement accuracy. The surrogate spike recoveries are presented in Appendix H and are summarized in Table 15.

Twelve samples were spiked with each of the surrogate compounds. The mean recoveries ranged from 95.8% to 98.3%. The coefficients of variation ranged from 2.6% to 4.3%. All recoveries were within the method acceptance criteria. The recoveries, accuracy, and precision for these surrogate spike recoveries were excellent.

### 6.4.5 Matrix Spike Recoveries

Two samples were each spiked with the following compounds: 1,1-dichloroethane, benzene, chlorobenzene, toluene, and trichloroethene in an effort to assess matrix effects on analytical accuracy. Recovery data for these compounds is presented in Appendix H. Tables 15 and 17 summarize the matrix spike and matrix spike duplicate analysis.

The average recoveries ranged from 96.5% to 137.0%, while the coefficients of variation ranged from 1.1% to 7.1%. With the exception of the recoveries of chlorobenzene, all of the recoveries were within the method acceptance criteria. The accuracy of all recoveries, with the exception of chlorobenzene, was good. The mean recovery of chlorobenzene indicated a slight positive bias. The coefficients of variation for all of the recoveries indicated very good precision.

The coefficients of variation of the matrix spike duplicate recoveries ranged from 1.1% to 7.1% indicating very good precision.

TABLE 17

SUMMARY OF MATRIX SPIKED DUPLICATE RESULTS

| Analyte/Sample | Number of Pairs | Pooled STD | Pooled % CV |
|---|---|---|---|
| Method 8080 | | | |
| PCB-1254 | 1 | NC | NC |
| BHC,G(Lindane) | 1 | 2.8 | 2.0 |
| Heptachlor | 1 | 0.7 | 0.6 |
| Aldrin | 1 | 1.4 | 1.1 |
| Dieldrin | 1 | 2.1 | 1.4 |
| Endrin | 1 | 2.8 | 1.6 |
| DDT,PP' | 1 | 12.7 | 7.2 |
| Method 8240 | | | |
| 1,1-Dichloroethene | 1 | 2.1 | 2.2 |
| Trichloroethene | 1 | 2.1 | 1.7 |
| Benzene | 1 | 9.2 | 7.1 |
| Toluene | 1 | 1.4 | 1.1 |
| Chlorobenzene | 1 | 2.8 | 2.1 |
| Method 8270 | | | |
| 1,4-Dichlorobenzene | 2 | 14.5 | 13.3 |
| N-Nitrosodi-N-Propylamine | 2 | 4.9 | 1.9 |
| 1,2,4-Trich'Benzene | 2 | 15.9 | 8.1 |
| 4-Chloro-Z-Methylphenol | 2 | 4.2 | 1.3 |
| Acenaphtene | 2 | 9.9 | 4.1 |
| 4-Nitrophenol | 2 | 148.8 | 33.9 |
| 2,4-Dinitrotoluene | 2 | 13.8 | 5.0 |
| Pentachlorophenol | 2 | 10.6 | 3.1 |
| Pyrene | 2 | 22.3 | 8.2 |
| Phenol | 2 | 6.7 | 2.0 |
| 2-Chlorphenol | 2 | 9.9 | 3.0 |
| EP Tocicity | | | |
| Arsenic | 2 | 1.9 | 2.3 |
| Barium | 2 | 1.9 | 2.2 |
| Cadmium | 2 | 0.5 | 0.6 |
| Chromium | 2 | 1.0 | 1.3 |
| Lead | 2 | 1.3 | 1.0 |
| Selenium | 2 | 2.9 | 3.2 |
| Silver | 2 | 1.2 | 1.4 |
| Mercury | 2 | 7.4 | 5.7 |

NC - not calculable

**TABLE 17**
(Continued)
SUMMARY OF MATRIX SPIKED DUPLICATE RESULTS

| Analyte/Sample | Number of Pairs | Pooled STD | Pooled % CV |
|---|---|---|---|
| Inorganic Analyses | | | |
| Arsenic | 2 | 6.7 | 5.4 |
| Barium | 1 | 4.2 | 3.1 |
| Cadmium | 1 | 2.8 | 2.1 |
| Chromium | 1 | 2.1 | 1.6 |
| Lead | 2 | 8.9 | 11.2 |
| Selenium | 2 | 17.0 | 83.3 |
| Silver | 1 | 15.8 | 24.6 |
| Mercury | 2 | 13.1 | 7.9 |
| Cyanide | 1 | 16.3 | 11.8 |

## 6.5 QC Results For Semi-VOlatile Organic Analyses

The sludge/soil samples from the 37-point grids in Ponds A and B were analyzed according to EPA 8270 for detection of semi-volatile organic compounds. Instrument calibration and results from analysis of duplicate samples, laboratory method blanks, surrogate spikes, and matrix spikes are discussed below.

### 6.5.1 Calibration

Identification and quantitation was performed using response factors and retention times generated from a five point calibration curve, relative to the closest eluting of six internal standards. The six internal standards were dichlorobenzene-d4, naphthalene, acenaphthene-d10, phenantherene-d10, chrysene-d12, and perylene-d12.

Each day of analysis, following tuning of the GC/MS, the calibration factors and internal standard responses were verified by analysis of calibration check compounds and system performance check compounds. The response for each of these checks was required to be within limits specified in the method. When the instrument was verified to be in a state of control, analyses proceeded.

<u>System Performance Check Standards</u> - GC/MS system performance with respect to the analysis of semi-volatile organic compounds was verified initially and after every 12 hours of sample analysis to ensure a minimum average response factor of 0.05 for four system performance check compounds (SPCCs). The four SPCCs were n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dichlorophenol, and 4-nitrophenol.

Calibration Check Compounds - Following the system performance check, a calibration check was performed once every 12 hours of sample analysis using Method 8270 calibration check compounds (CCCs). For each CCC analyzed, a response factor (RF) was calculated. As specified in Method 8270, the RF for each CCC had to be within 30 percent of the average five-point calibration RF; otherwise, a new five-point calibration RF was calculated. The thirteen Method 8270 CCCs are phenol, 1,4-dichlorobenzene, 2-nitrophenol, 2,4-dichlorophenol, hexachlorobutadiene, 4-chloro-3-methylphenol, acenaphthene, 2,4,6-trichlorophenol, n-nitroso-di-n-phenylamine, pentachlorophenol, fluoranthene, di-noctylphthalate, and benzo(a)pyrene.

### 6.5.2 Duplicate Sample Results

Duplicate samples were collected and analyzed to measure overall precision for semi-volatile organic analyses. Six different compounds were detected during the duplicate sample analyses. A total of 7 pairs of compounds were analyzed. The coefficients of variation ranged from 24.8 to 141.4% indicating that the precision ranged from fair to poor depending on the compound found. The precision measurement was not very representative due to the low number of pairs analyzed.

### 6.5.3 Blank Samples

As a check for possible laboratory contamination, laboratory method blanks were analyzed during the analysis of sludge/soil samples. Two compounds, Bis(2-ethylhexyl)phthalate and phenol, were detracted in the method blanks. These were commonly found in the laboratory blanks. When evaluating the field results, where these contaminants were found in the sludge/soil samples, the concentration reported should be considered as possibly reflecting laboratory contamination.

### 6.5.4 Surrogate Recoveries

Samples analyzed for semi-volatile organics were spiked with two groups of surrogates representing acid and base/neutral extractable compounds. The acid surrogate compounds were 2,4,6-tribromophenol, 2-fluorphenol, and phenol-d5. The base/neutral surrogate compounds were 2-fluorbiphenyl, nitrobenzene-d5, and terphenyl-d14. Surrogate recoveries such as these are used to detect evidence of analytical problems such as extraction or matrix effects. The laboratory reports on surrogate recoveries are presented in Appendix H. Table 15 summarizes the surrogate recovery results.

The mean recoveries obtained for the surrogate spikes ranged from 39.1% to 76.8%. The average coefficients of variation ranged from 10.1% to 69.9%. Out of 78 results (13 analyses for each of the six compounds), 12 recoveries were outside of the method acceptance criteria. These data indicate fair analytical control of accuracy and precision

### 6.5.5 Matrix Spike Recoveries

Five samples were spiked with eleven target analytes to assess matrix effects on analyte recovery. The laboratory reports of matrix spike analysis are presented in Appendix H. Tables 15 and 17 summarize the results of the matrix spike and matrix spike duplicate analysis respectively.

With the exception of only three recoveries for 1,4-dichlorobenzene, all of the recoveries were well above the method of acceptance criteria. The average recoveries ranged from 105.2% to 323.4%. These recoveries indicate a high positive bias on the accuracy of the analytical results. The coefficients of variation for the recoveries ranged from 19.3% to 57.3%,

indicating fair precision. The 1,4-dichlorobenzene average recovery was 105.2% with a coefficient of variation of 23.3%. The accuracy and precision of the semi-volatile organic analysis should be considered to be fair.

The coefficients of variation for the matrix spike duplicate analysis ranged from 1.3% to 33.9% indicating good precision between the matrix spike and the matrix spike duplicate analysis.

## 6.6 Inorganic Analysis

Inorganic analysis of digestates and EP toxicity leachates included metals by emission and absorption spectroscopy and cyanide by distillation/colorimetry. Quality control data associated with these analysis are discussed below.

### 6.6.1 Calibration

The ICPES system was calibrated prior to sample analysis according to the procedures described in Method 6010. A response factor was calculated daily for each metal based on three exposures of a calibration standard and calibration blank. Following calibration, a mid-level calibration check sample was analyzed; agreement between the measured value and the expected value had to be within 5 percent for analyses to proceed. Calibration was verified by analyzing a QC check standard after every 10 sample analyses; agreement within 10 percent of the expected value was required for all metals analyzed by ICPES.

The calibration procedures for the AAS systems are described in the respective methods in SW-846, 3rd edition. A multipoint calibration curve was generated daily for each element using a calibration blank and three upscale standards. The correlation coefficient for the linear regression equation had to exceed 0.995

to be acceptable. Calibration was verified every 10 samples by analyzing a QC check sample and calibration blank. Agreement within 10 percent of the expected value was required, or a new calibration curve was generated.

For cyanide analyses, a daily calibration curve was prepared using a blank and a minimum of three standards, with a correlation coefficient greater than 0.995. A high and a low standard was distilled and compared with similar values on the curve to ensure that the distillation technique was reliable. A cyanide QC check sample, prepared independently of calibration standards, was analyzed after every 10 samples to ensure that the system remained calibrated within a 10 percent tolerance.

### 6.6.2 Duplicate Sample Results

Duplicate samples were collected and analyzed to measure overall precision for EP Toxicity and Inorganic metals analyses. Two sample pairs were analyzed for each EP Toxicity metal. The coefficients of variation ranged from 0.0% to 3.4% indicating excellent precision.

For the inorganic analyses, 2 pairs were analyzed for each of Arsenic, Lead, Selenium, and Mercury and one pair each for Barium, Cadmium, Chromium, and Silver. The coefficients of variation ranged from 0.0 to 27.2% indicating excellent to good precision. Table 16 presents a summary of the precision measurements for the inorganic analyses.

No pairs of Cyanide were analyzed, therefore no estimates of the analysis precision are presented.

### 6.6.3 Blank Sample Results

Laboratory method blanks were analyzed to evaluate possible laboratory contamination in field sample results during preparation and analysis. Appendix H presents the laboratory reports of the method blank analysis.
During the EP Toxicity analysis, the following metals were detected in the method blanks:

| Metal | Concentration (mg/L) |
|---|---|
| Arsenic | 0.006 |
| Barium | 0.059 |
| Cadmium | 0.0002 |
| Chromium | 0.004 and 0.006 |
| Selenium | 0.0003 |
| Silver | 0.0011 |

The concentration of the above metals in the method blanks were near the detection limits and did not represent a significant laboratory contamination concern.

During the inorganic analysis, the following metals were detected in the method blanks:

| Metal | Concentration (mg/L) |
|---|---|
| Cadmium | 0.0005 |
| Lead | 0.001 |
| Selenium | 0.0007 |
| Cyanide | 0.12 |

The concentration of the above metals in the method blanks were near the detection limits, and did not represent a significant laboratory contamination concern.

### 6.6.4 Matrix Spike Recoveries

EP Toxicity - Five samples were each spiked with each of the eight metals of concern. Out of 40 analysis, 12 recoveries were outside

of the method of acceptance criteria. The averaged recoveries ranged from 82.9% to 122.2%. The averaged coefficients of variation ranged from 3.3% to 11.8%. These data indicates good to very good accuracy and precision. The average coefficients of variation for the matrix spike duplicates ranged from 0.6% to 5.7% These results indicate very good precision for the matrix spike and matrix spike duplicates. The laboratory reports for the matrix spike analysis are presented in Appendix H. Tables 15 and 17 summarize the spike and duplicate spike results respectively.

Inorganic analysis - Out of 36 recoveries, 23 recoveries were outside of the method acceptance criteria. The averaged recoveries ranged from 39.7% to 154.4%, indicating a large range in the accuracy of the sample analysis results. The averaged coefficients of variation ranged from 10.8% to 96.5%. This indicates that he repeatability of the sample analysis varied from good to poor. The analysis results for Selenium were highly suspect with an average recovery of 39.7%, and an average coefficient of variation of 96.5%. Mercury was also a suspect with an average recovery of 153.4% and a coefficient of variation of 21.0%. The average coefficient of variation for the matrix spike duplicates ranged from 1.6% to 83.3%, again indicating a wide range in the degree of precision of the matrix spike results. The laboratory reports for the matrix spike analysis are presented in Appendix H. Tables 15 and 17 summarize the spike and duplicate spike results respectively.

## 6.7 Discussion On Reliability of Data

It is WT's opinion that the data generated during this project can be considered reliable because methodologies and QA/QC criteria published in "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Third

Edition, September 1986, were employed in the implementation of this project. Aspects and activities for which protocols were developed and followed included:

- Sampling;
- Sample containers, preservation, transportation, and chain of custody;
- Laboratory analyses; and
- QA/QC Documentation.

The appropriate analytical methodologies were selected considering the matrix and the constituents to be analyzed for Protocols were observed to assure accurate reporting and appropriate data interpretation.

In general the QC data generated during the analyses of the samples validated that the data is reliable.

Specifically, analysis of equipment and field blanks indicated that there were no outside contamination effecting the analytical results. The analytical results of the field duplicate samples were within acceptable precision limits as defined by SW-846. The analytical results of the PCB and BNA samples gave poorer precision, but were within acceptable limits.

The analysis of laboratory method blanks found acceptably low levels of common laboratory contaminants affecting the BNA, EPTOX metals and other inorganic analyses.

For most analyses there was an absence of matrix effect. However, there were extreme matrix effects documented for the PCB analyses for the sludge samples.

Acceptable matrix and surrogate spike recoveries were found indicating that sample extraction protocols were appropriate.

In general, there were acceptable matrix spike recoveries indicating that there was good laboratory control of data accuracy. However, there were high matrix spike recoveries for the BNA analyses indicating possible extraction/dilution errors. Poor spike recoveries were found for most of the inorganic analyses. The poor spike recoveries may have been due to matrix effects on the selenium and mercury analyses. EPA accuracy and precision data from research of the selenium, arsenic and mercury analytical methods suggest that these methods generally give poor results.

Generally, the duplicate results were acceptable indicating that there was good laboratory control of data precision. Data scatter of the PCB surrogate recoveries was acceptable. Matrix effects were found in the PCB surrogate recovery analyses. Poor replication of the selenium spike analyses was found. However, this may be more of a characteristic of the analysis method.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our review of the field activities, laboratory activities, and laboratory QA activities, WT concludes the following:

- Field sampling, sample handling and preservation, documentation, laboratory analyses, and laboratory QA activities were conducted according to the protocols established in the Contractor's Chemical Quality Control Plan (CCQCP).

- Effects from outside contamination were not documented.

- Laboratory contamination of analyses were within acceptable limits.

- Samples were generally of a "complex" matrix and matrix effects were documented.

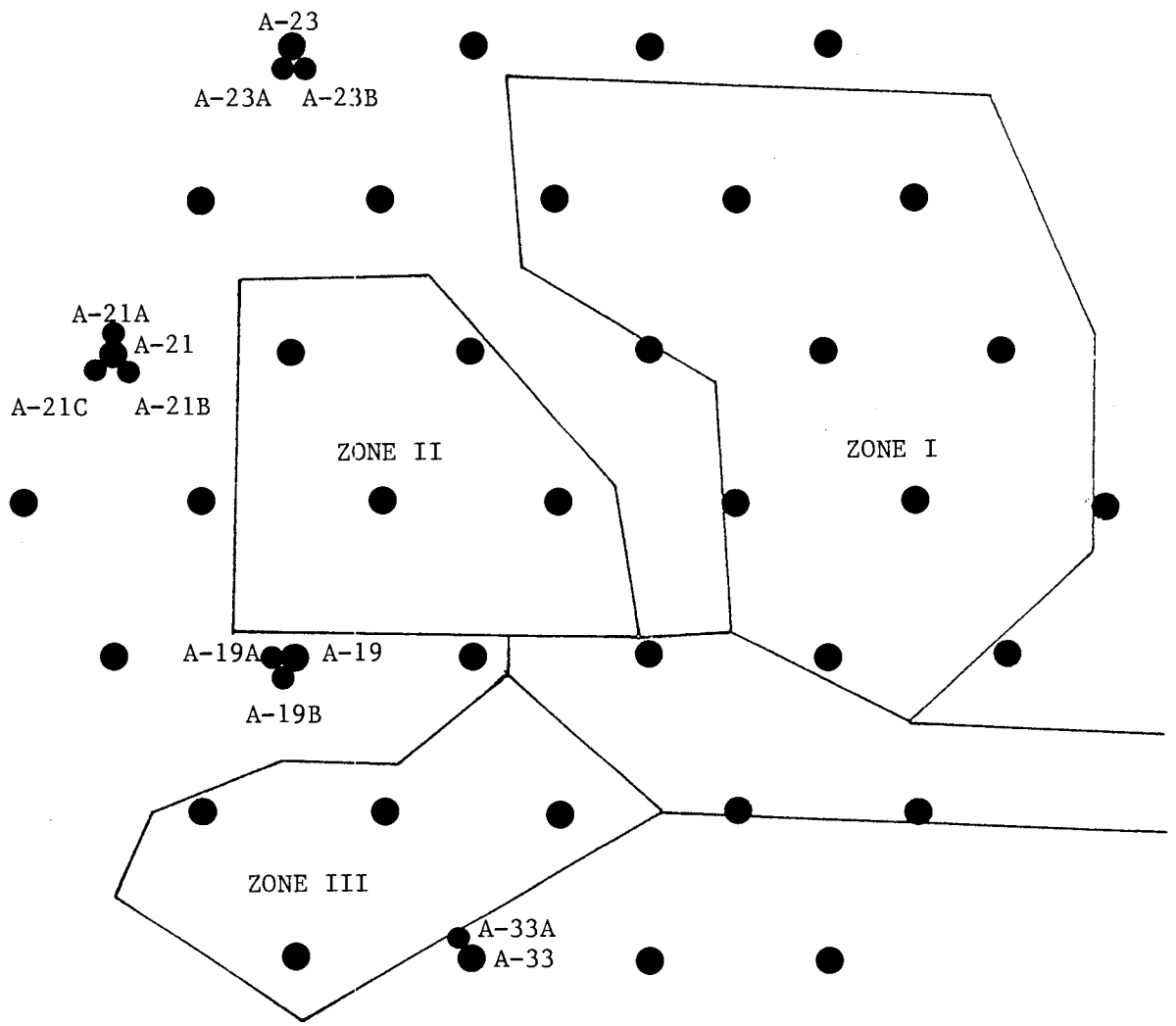
- Results of analyses of duplicate samples were within acceptable limits indicating good laboratory control of data precision.

- Results of analyses of matrix spike samples were within acceptable limits indicating good laboratory control of data accuracy.

WT recommends that the U.S. Army Corps of Engineers accept the data generated from this project as reliable and representative.

POND A
ADDITIONAL SAMPLE LOCATIONS
HOLLOMAN AIR FORCE BASE
HAZARDOUS WASTE SEWAGE SLUDGE REMOVAL

DACA45-88-C-0148



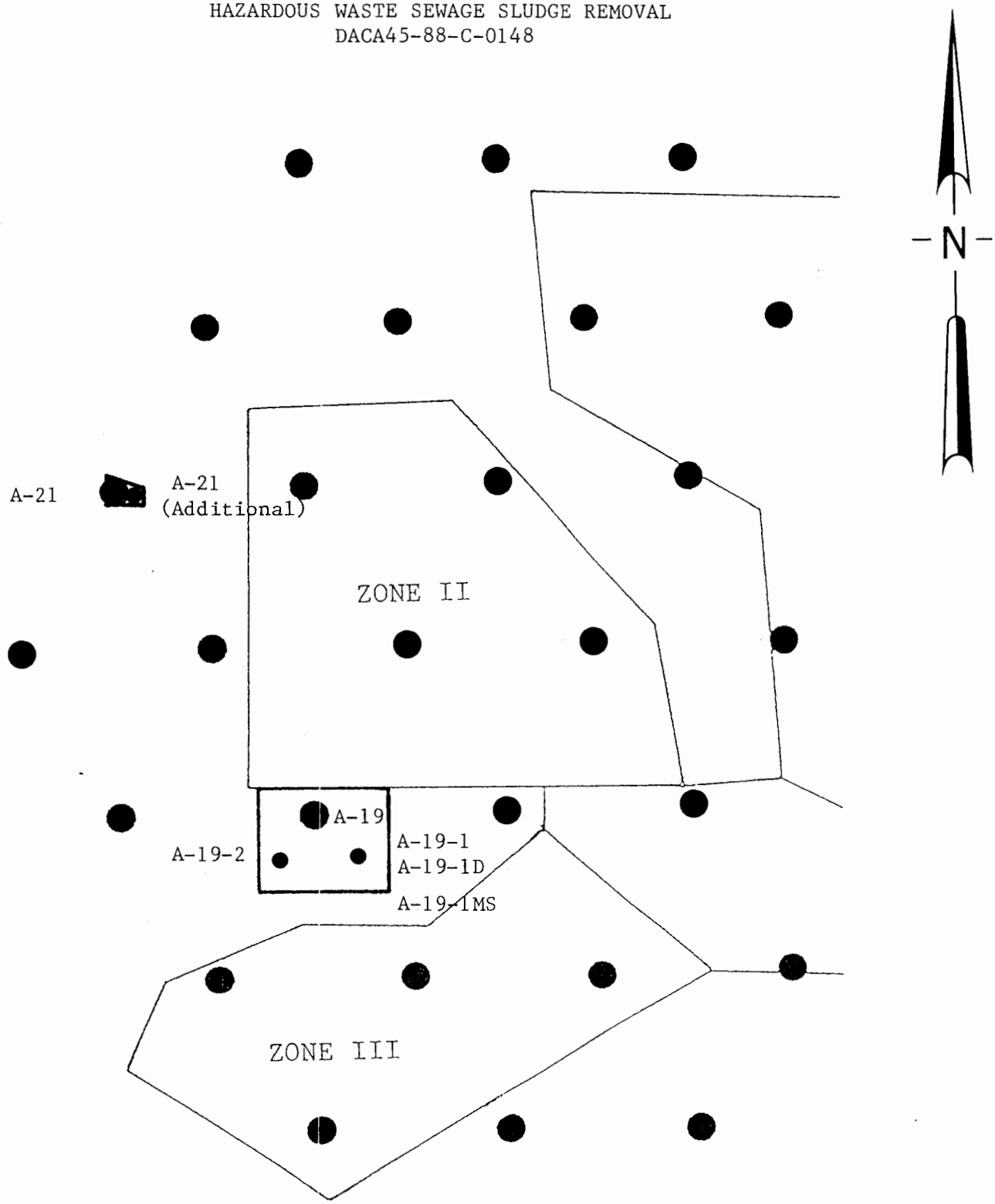

APPROXIMATE SCALE

1" = 40'

| | |
|---|---|
| REVIEWED C. Miller, P.E. | WESTERN TECHNOLOGIES INC. The Quality People |
| PREPARED J. Dickey | |

FIGURE 2

POND A
ADDITIONAL REMOVAL ZONES AND
SAMPLING LOCATIONS
HOLLOMAN AIR FORCE BASE
HAZARDOUS WASTE SEWAGE SLUDGE REMOVAL
DACA45-88-C-0148




APPROXIMATE SCALE: 1 INCH = 30 FEET

| | |
|---|---|
| REVIEWED<br>C. Miller, P.E.<br>PREPARED<br>J. Dickey | **WESTERN TECHNOLOGIES INC.**<br>The Quality People |

FIGURE No. 3

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
CLP8080

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-2 HOLL-II 3 | A-9 HOLL-II 9 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:22 | 11:25 |
| BHC,A | UG/KG-DRY | 39076 DEC | <24.9 | <23.7 |
| BHC,B | UG/KG-DRY | 34257 DEC | <24.9 | <23.7 |
| BHC,D | UG/KG-DRY | 34262 DEC | <24.9 | <23.7 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | <24.9 | <23.7 |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | <24.9 | <23.7 |
| ALDRIN | UG/KG-DRY | 39333 DEC | <24.9 | <23.7 |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | <24.9 | <23.7 |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | <24.9 | <23.7 |
| DIELDRIN | UG/KG-DRY | 39383 DEC | <49.8 | <47.5 |
| DDE,PP' | UG/KG-DRY | 39321 DEC | <49.8 | <47.5 |
| ENDRIN | UG/KG-DRY | 39393 DEC | <49.8 | <47.5 |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | <49.8 | <47.5 |
| DDD,PP' | UG/KG-DRY | 39311 DEC | <49.8 | <47.5 |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | <49.8 | <47.5 |
| DDT,PP' | UG/KG-DRY | 39301 DEC | <49.8 | <47.5 |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | <249 | <237 |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | <49.8 | <47.5 |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | <49.8 | <47.5 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | <200 | <200 |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | <200 | <200 |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | <498 | <475 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <249 | <237 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <250 | <240 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <250 | <240 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <250 | <240 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
CLP8080

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-2 HOLL-II 3 | A-9 HOLL-II 9 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:22 | 11:25 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <250 | <240 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 740 | <470 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <500 | <470 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-3 HOLL-II 5 | A-7 HOLL-II 6 | A-8 HOLL-II 8 | A-10 HOLL-II 10 |
|---|---|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:20 | 11:17 | 11:51 | 11:29 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <237 | <220 | <226 | <3960 | <2490 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <240 | <220 | <230 | <4000 | <2500 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <240 | <220 | <230 | <4000 | <2500 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <240 | <220 | <230 | <4000 | <2500 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <240 | <220 | <230 | <4000 | <2500 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 270 | <180 | 960 | 7800 | 5200 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <470 | <440 | <450 | <7900 | <5000 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-19 HOLL-II 11 | A-20 HOLL-II 12 | A-21 HOLL-II 13 | A-22 HOLL-II 14 | A-23 HOLL-II 15 |
|---|---|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:46 | 11:32 | 11:49 | 11:37 | 11:38 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <4990 | <5160 | <19300 | <8590 | <10400 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <5000 | <5200 | <19000 | <8600 | <10000 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <5000 | <5200 | <19000 | <8600 | <10000 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <5000 | <5200 | <19000 | <8600 | <10000 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <5000 | <5200 | <19000 | <8600 | <10000 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 30000 | 5800 | 30000 | 16000 | 37000 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <10000 | <10000 | <39000 | <17000 | <21000 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-24 HOLL-II 16 | A-37 HOLL-II 17 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:42 | 11:55 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <5100 | <5060 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <5100 | <5100 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <5100 | <5100 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <5100 | <5100 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <5100 | <5100 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 12000 | 13000 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <10000 | <10000 |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 1
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOLL-14 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-7 HOLL-II 6 | A-12 HOLL-II 30 |
|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 07/19/90 |
| TIME | | | 11:20 | 11:17 | 11:36 |
| CHLOROMETHANE | UG/KG-DRY | 34418 SCLPS | <8 | <8 | <9 |
| BROMOMETHANE | UG/KG-DRY | 34413 SCLPS | <10 | <10 | <12 |
| VINYL CHLORIDE | UG/KG-DRY | 39175 SCLPS | <8 | <8 | <9 |
| CHLOROETHANE | UG/KG-DRY | 34311 SCLPS | <24 | <23 | <28 |
| METHYLENE CHLORIDE | UG/KG-DRY | 34423 SCLPS | <33 | <31 | <38 |
| ACETONE | UG/KG-DRY | 97020 SCLPS | <33 | 79 | <38 |
| CARBON DISULFIDE | UG/KG-DRY | 77041 SCLPS | <11 | <10 | <12 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | 34496 SCLPS | <18 | <17 | <21 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501 SCLPS | <2 | <2 | <3 |
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546 SCLPS | <5 | <5 | <6 |
| CHLOROFORM | UG/KG-DRY | 32106 SCLPS | <3 | <3 | <3 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | 34531 SCLPS | <2 | <2 | <2 |
| 2-BUTANONE | UG/KG-DRY | 81595 SCLPS | <16 | 16 | <19 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | 34506 SCLPS | <1 | <1 | <2 |
| CARBON TETRACHLORIDE | UG/KG-DRY | 32102 SCLPS | <2 | <2 | <2 |
| BROMODICHLOROMETHANE | UG/KG-DRY | 32101 SCLPS | <3 | <3 | <3 |
| 1,1,2,2-TETRACHLORO ETHANE | UG/KG-DRY | 34516 SCLPS | <12 | <12 | <14 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | 98790 SCLPS | <2 | <2 | <2 |
| TRANS-1,3-DICHLOROPROPENE | UG/KG-DRY | 98792 SCLPS | | | <3 |
| TRICHLOROETHENE | UG/KG-DRY | 39180 SCLPS | <0.6 | <0.6 | <0.7 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | 32105 SCLPS | <5 | <5 | <5 |
| 1,1,2-TRICHL'ETHANE | UG/KG-DRY | 34511 SCLPS | <6 | <5 | <6 |
| BENZENE | UG/KG-DRY | 34030 SCLPS | <1 | <1 | <1 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | 34704 SCLPS | <7 | <7 | <8 |
| BROMOFORM | UG/KG-DRY | 32104 SCLPS | <8 | <7 | <9 |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 2
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLONAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOLL-14 LAB COORDINATOR KEVIN MCHUGH

| | | | SAMPLE ID/# | | |
|---|---|---|---|---|---|
| | | | A-1 | A-7 | A-12 |
| PARAMETERS | | STORET | HOLL-II | HOLL-II | HOLL-II |
| | UNITS | METHOD | 1 | 6 | 30 |
| DATE | | | 06/16/90 | 06/16/90 | 07/19/90 |
| TIME | | | 11:20 | 11:17 | 11:36 |
| 4-METHYL-2-PENTANONE | | 98696 | <17 | <16 | <19 |
| | UG/KG-DRY | SCLPS | | | |
| TETRACHLOROETHENE | | 34475 | <1 | <1 | <2 |
| | UG/KG-DRY | SCLPS | | | |
| TOLUENE | | 34010 | <2 | 2 | <2 |
| | UG/KG-DRY | SCLPS | | | |
| CHLOROBENZENE | | 34301 | <0.8 | <0.7 | <0.9 |
| | UG/KG-DRY | SCLPS | | | |
| ETHYLBENZENE | | 34371 | <2 | 3 | <2 |
| | UG/KG-DRY | SCLPS | | | |
| XYLENES,TOTAL | | 81551 | 5 | 15 | <2 |
| | UG/KG-DRY | SCLPS | | | |
| STYRENE | | 99210 | <0.8 | <0.8 | <1.0 |
| | UG/KG-DRY | SCLPS | | | |
| VINYL ACETATE | | 77057 | <9 | <9 | <10 |
| | UG/KG-DRY | SCLPS | | | |
| 2-HEXANONE | | 77103 | <17 | <16 | <19 |
| | UG/KG-DRY | SCLPS | | | |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 1
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOLL-14 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-7 HOLL-II 6 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:17 |
| PHENOL | UG/KG-DRY | 34694 SCLPS | <227 | <216 |
| BIS(2-CHLOROETHYL)ETHER | UG/KG-DRY | 34273 SCLPS | <100 | <95 |
| 2-CHLOROPHENOL | UG/KG-DRY | 34586 SCLPS | <111 | <105 |
| 1,3,DICHLOROBENZENE | UG/KG-DRY | 34566 SCLPS | <314 | <299 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | 34571 SCLPS | <348 | <331 |
| BENZYL ALCOHOL | UG/KG-DRY | 77147 SCLPS | <126 | <120 |
| 1,2-DICHLOROBENZENE | UG/KG-DRY | 34536 SCLPS | <381 | <363 |
| 2-METHYL PHENOL | UG/KG-DRY | 99073 SCLPS | <126 | <120 |
| BIS(2-CHL'ISOPROPYL) ETHER | UG/KG-DRY | 34283 SCLPS | <165 | <157 |
| 4-METHYL PHENOL | UG/KG-DRY | 99074 SCLPS | <384 | <366 |
| N-NITROSODI-N-PROPYL AMINE | UG/KG-DRY | 34428 SCLPS | <119 | <113 |
| HEXACHLOROETHANE | UG/KG-DRY | 34396 SCLPS | <440 | <419 |
| NITROBENZENE | UG/KG-DRY | 34447 SCLPS | <93 | <88 |
| ISOPHORONE | UG/KG-DRY | 34408 SCLPS | <90 | <86 |
| 2-NITROPHENOL | UG/KG-DRY | 34591 SCLPS | <71 | <68 |
| 2,4-DIMETHYLPHENOL | UG/KG-DRY | 34606 SCLPS | <339 | <323 |
| BENZOIC ACID | UG/KG-DRY | 77247 SCLPS | <615 | <586 |
| BIS(2-CHLOROETHOXY)METHANE | UG/KG-DRY | 34278 SCLPS | <117 | <111 |
| 2,4-DICHLOROPHENOL | UG/KG-DRY | 34601 SCLPS | <140 | <134 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | 34551 SCLPS | <293 | <279 |
| NAPHTHALENE | UG/KG-DRY | 34696 SCLPS | <292 | <278 |
| 4-CHLOROANILINE | UG/KG-DRY | 99075 SCLPS | <166 | <158 |
| HEXACHLOROBUTADIENE | UG/KG-DRY | 34391 SCLPS | <350 | <333 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | 34452 SCLPS | <159 | <151 |
| 2-METHLYNAPHTHALENE | | 77416 | <312 | <297 |

Hunter/ESE, Inc. DATE 08/30/90 STATUS :
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOLL-14 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-7 HOLL-II 6 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:17 |
| HEXACHLOROCYCLOPENTA DIENE | UG/KG-DRY | 34386 SCLPS | <202 | <193 |
| 2,4,6-TRICHL'PHENOL | UG/KG-DRY | 34621 SCLPS | <145 | <138 |
| 2,4,5-TRICHL'PHENOL | UG/KG-DRY | 77687 SCLPS | <136 | <130 |
| 2-CHLORONAPHTHALENE | UG/KG-DRY | 34581 SCLPS | <125 | <119 |
| 2-NITROANILINE | UG/KG-DRY | 99077 SCLPS | <106 | <101 |
| DIMETHYLPTHALATE | UG/KG-DRY | 34341 SCLPS | <259 | <246 |
| ACENAPHTHYLENE | UG/KG-DRY | 34200 SCLPS | <135 | <129 |
| 2,6-DINITROTOLUENE | UG/KG-DRY | 34626 SCLPS | <163 | <155 |
| 3-NITROANILINE | UG/KG-DRY | 99078 SCLPS | <176 | <167 |
| ACENAPHTHENE | UG/KG-DRY | 34205 SCLPS | <189 | <180 |
| 2,4-DINITROPHENOL | UG/KG-DRY | 34616 SCLPS | <300 | <286 |
| 4-NITROPHENOL | UG/KG-DRY | 34646 SCLPS | <258 | <245 |
| DIBENZOFURAN | UG/KG-DRY | 81302 SCLPS | <102 | <97 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611 SCLPS | <112 | <106 |
| DIETHYLPHTHALATE | UG/KG-DRY | 34336 SCLPS | <233 | <222 |
| 4-CHLOROPHENYLPHENYL ETHER | UG/KG-DRY | 34641 SCLPS | <119 | <113 |
| FLUORENE | UG/KG-DRY | 34381 SCLPS | <152 | <145 |
| 4-NITROANILINE | UG/KG-DRY | 99079 SCLPS | <269 | <256 |
| 2-METHYL-4,6-DINITRO PHENOL | UG/KG-DRY | 34657 SCLPS | <237 | <226 |
| N-NITROSODIPHE'AMINE | UG/KG-DRY | 34433 SCLPS | <107 | <102 |
| 4-BROMOPHENYLPHENYL ETHER | UG/KG-DRY | 34636 SCLPS | <98 | <93 |
| HEXACHLOROBENZENE | UG/KG-DRY | 39700 SCLPS | <135 | <129 |
| PENTACHLOROPHENOL | UG/KG-DRY | 39032 SCLPS | <217 | <207 |
| PHENANTHRENE | UG/KG-DRY | 34461 SCLPS | <94.8 | <90.3 |
| ANTHRACENE | UG/KG-DRY | 34220 SCLPS | <106 | <101 |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 3
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOLL-14 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-7 HOLL-II 6 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:17 |
| DI-N-BUTYLPHTHALATE | UG/KG-DRY | 39110 SCLPS | <148 | <141 |
| FLUORANTHENE | UG/KG-DRY | 34376 SCLPS | <160 | <152 |
| PYRENE | UG/KG-DRY | 34469 SCLPS | <101 | 148 |
| BUTYLBENZYLPHTHALATE | UG/KG-DRY | 34292 SCLPS | <203 | <194 |
| 3,3'-DICHL'BENZIDINE | UG/KG-DRY | 34631 SCLPS | <158 | <150 |
| BENZO(A)ANTHRACENE | UG/KG-DRY | 34526 SCLPS | <86.9 | <82.7 |
| CHRYSENE | UG/KG-DRY | 34320 SCLPS | <136 | <130 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | 39100 SCLPS | 220 | 1910 |
| DI-N-OCTYLPHTHALATE | UG/KG-DRY | 34596 SCLPS | <100 | <95 |
| BENZO(B)FLUORANTHENE | UG/KG-DRY | 34230 SCLPS | <188 | <179 |
| BENZO(K)FLUORANTHENE | UG/KG-DRY | 34242 SCLPS | <234 | <223 |
| BENZO(A)PYRENE | UG/KG-DRY | 34247 SCLPS | <256 | <244 |
| INDENO(1,2,3-CD)PYRENE | UG/KG-DRY | 34403 SCLPS | <134 | <128 |
| DIBEN'(A,H)ANTH'CENE | UG/KG-DRY | 34556 SCLPS | <88.9 | <84.6 |
| BENZO(GHI)PERYLENE | UG/KG-DRY | 34521 SCLPS | <104 | <98.7 |

Hunter/ESE, Inc. DATE 08/31/90 STATUS : PAGE 1
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER JOYCE BLAIR
HOL-11 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1D HOLL-II 2 | A-2D HOLL-II 4 | A-7D HOLL-II 7 |
|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:22 | 11:17 |
| BHC,A | UG/KG-DRY | 39076 DEC | NRQ | <26.0 | NRQ |
| C,B | UG/KG-DRY | 34257 DEC | NRQ | <26.0 | NRQ |
| BHC,D | UG/KG-DRY | 34262 DEC | NRQ | <26.0 | NRQ |
| C,G(LINDANE) | UG/KG-DRY | 39783 DEC | NRQ | <26.0 | NRQ |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | NRQ | <26.0 | NRQ |
| DRIN | UG/KG-DRY | 39333 DEC | NRQ | <26.0 | NRQ |
| PTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | NRQ | <26.0 | NRQ |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | NRQ | <26.0 | NRQ |
| ELDRIN | UG/KG-DRY | 39383 DEC | NRQ | <52.0 | NRQ |
| DDE,PP' | UG/KG-DRY | 39321 DEC | NRQ | <52.0 | NRQ |
| DRIN | UG/KG-DRY | 39393 DEC | NRQ | <52.0 | NRQ |
| DOSULFAN,B | UG/KG-DRY | 34359 DEC | NRQ | <52.0 | NRQ |
| DDD,PP' | UG/KG-DRY | 39311 DEC | NRQ | <52.0 | NRQ |
| DOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | NRQ | <52.0 | NRQ |
| DDT,PP' | UG/KG-DRY | 39301 DEC | NRQ | <52.0 | NRQ |
| THOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | NRQ | <260 | NRQ |
| DRIN KETONE,SED | UG/KG-DRY | 98591 DEC | NRQ | <52.0 | NRQ |
| DRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | NRQ | <52.0 | NRQ |
| LORDANE,ALPHA | UG/KG-DRY | 79025 DEC | NRQ | <300 | NRQ |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | NRQ | <300 | NRQ |
| OXAPHENE | UG/KG-DRY | 39403 DEC | NRQ | <520 | NRQ |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <223 | <260 | <228 |
| CB-1221 | UG/KG-DRY | 39491 DEC | <220 | <260 | <230 |
| CB-1232 | UG/KG-DRY | 39495 DEN | <220 | <260 | <230 |
| CB-1242 | UG/KG-DRY | 39499 DEC | <220 | <260 | <230 |

Hunter/ESE, Inc. DATE 08/31/90 STATUS : PAGE 2
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-11 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1D HOLL-II 2 | A-2D HOLL-II 4 | A-7D HOLL-II 7 |
|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:22 | 11:17 |
| CB-1248 | UG/KG-DRY | 39503 DEC | <220 | <260 | <230 |
| CB-1254 | UG/KG-DRY | 39507 DEC | 180 | 560 | 1400 |
| CB-1260 | UG/KG-DRY | 39511 DEC | <450 | <520 | <460 |
| ENOL | UG/KG-DRY | 34694 SCLPS | <214 | NRQ | <219 |
| BIS(2-CHLOROETHYL)ET R | UG/KG-DRY | 34273 SCLPS | <94 | NRQ | <96 |
| -CHLOROPHENOL | UG/KG-DRY | 34586 SCLPS | <104 | NRQ | <107 |
| 3,DICHLOROBENZENE | UG/KG-DRY | 34566 SCLPS | <297 | NRQ | <302 |
| 4-DICHLOROBENZENE | UG/KG-DRY | 34571 SCLPS | <328 | NRQ | <335 |
| NZYL ALCOHOL | UG/KG-DRY | 77147 SCLPS | <119 | NRQ | <122 |
| 1,2-DICHLOROBENZENE | UG/KG-DRY | 34536 SCLPS | <360 | NRQ | <367 |
| METHYL PHENOL | UG/KG-DRY | 99073 SCLPS | <119 | NRQ | <122 |
| BIS(2-CHL ISOPROPYL) THER | UG/KG-DRY | 34283 SCLPS | <156 | NRQ | <159 |
| METHYL PHENOL | UG/KG-DRY | 99074 SCLPS | <363 | NRQ | <370 |
| NITROSODI-N-PROPYL INE | UG/KG-DRY | 34428 SCLPS | <112 | NRQ | <114 |
| EXACHLOROETHANE | UG/KG-DRY | 34396 SCLPS | <416 | NRQ | <424 |
| TROBENZENE | UG/KG-DRY | 34447 SCLPS | <88 | NRQ | <89 |
| SOPHORONE | UG/KG-DRY | 34408 SCLPS | <85 | NRQ | <87 |
| NITROPHENOL | UG/KG-DRY | 34591 SCLPS | <67 | NRQ | <68 |
| 2,4-DIMETHYLPHENOL | UG/KG-DRY | 34606 SCLPS | <320 | NRQ | <326 |
| ENZOIC ACID | UG/KG-DRY | 77247 SCLPS | <581 | NRQ | <592 |
| S(2-CHLOROETHOXY)M HANE | UG/KG-DRY | 34278 SCLPS | <110 | NRQ | <112 |
| 2,4-DICHLOROPHENOL | UG/KG-DRY | 34601 SCLPS | <132 | NRQ | <135 |
| 2,4-TRICH BENZENE | UG/KG-DRY | 34551 SCLPS | <277 | NRQ | <282 |
| NAPHTHALENE | UG/KG-DRY | 34696 SCLPS | <276 | NRQ | <282 |
| -CHLORDANILINE | UG/KG-DRY | 99075 SCLPS | <157 | NRQ | <160 |

Hunter/ESE, Inc. DATE 08/31/90 STATUS : PAGE 3
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-11 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1D HOLL-II 2 | A-2D HOLL-II 4 | A-7D HOLL-II 7 |
|---|---|---|---|---|---|
| ATE | | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:22 | 11:17 |
| EXACHLOROBUTADIENE | UG/KG-DRY | 34391 SCLPS | <330 | NRQ | <337 |
| 4-CHLORO-3-METHYLPHE OL | UG/KG-DRY | 34452 SCLPS | <150 | NRQ | <153 |
| 2-METHLYNAPHTHALENE | UG/KG-DRY | 77416 SCLPS | <295 | NRQ | <301 |
| EXACHLOROCYCLOPENTA IENE | UG/KG-DRY | 34386 SCLPS | <191 | NRQ | <195 |
| 2,4,6-TRICHL'PHENOL | UG/KG-DRY | 34621 SCLPS | <137 | NRQ | <140 |
| ,4,5-TRICHL'PHENOL | UG/KG-DRY | 77687 SCLPS | <129 | NRQ | <131 |
| 2-CHLORONAPHTHALENE | UG/KG-DRY | 34581 SCLPS | <118 | NRQ | <121 |
| -NITROANILINE | UG/KG-DRY | 99077 SCLPS | <100 | NRQ | <102 |
| IMETHYLPTHALATE | UG/KG-DRY | 34341 SCLPS | <244 | NRQ | <249 |
| ACENAPHTHYLENE | UG/KG-DRY | 34200 SCLPS | <128 | NRQ | <130 |
| ,6-DINITROTOLUENE | UG/KG-DRY | 34626 SCLPS | <154 | NRQ | <157 |
| 3-NITROANILINE | UG/KG-DRY | 99078 SCLPS | <166 | NRQ | <169 |
| CENAPHTHENE | UG/KG-DRY | 34205 SCLPS | <178 | NRQ | <182 |
| 2,4-DINITROPHENOL | UG/KG-DRY | 34616 SCLPS | <283 | NRQ | <289 |
| 4-NITROPHENOL | UG/KG-DRY | 34646 SCLPS | <243 | NRQ | <248 |
| IBENZOFURAN | UG/KG-DRY | 81302 SCLPS | <96 | NRQ | <98 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611 SCLPS | <105 | NRQ | <107 |
| IETHYLPHTHALATE | UG/KG-DRY | 34336 SCLPS | <220 | NRQ | <224 |
| 4-CHLOROPHENYLPHENYL ETHER | UG/KG-DRY | 34641 SCLPS | <112 | NRQ | <114 |
| LUORENE | UG/KG-DRY | 34381 SCLPS | <144 | NRQ | <146 |
| -NITROANILINE | UG/KG-DRY | 99079 SCLPS | <254 | NRQ | <259 |
| 2-METHYL-4,6-DINITRO PHENOL | UG/KG-DRY | 34657 SCLPS | <224 | NRQ | <228 |
| -NITROSODIPHE'AMINE | UG/KG-DRY | 34433 SCLPS | <101 | NRQ | <103 |
| 4-BROMOPHENYLPHENYL THER | UG/KG-DRY | 34636 SCLPS | <92 | NRQ | <94 |
| EXACHLOROBENZENE | UG/KG-DRY | 39700 SCLPS | <128 | NRQ | <130 |

Hunter/ESE, Inc. DATE 08/31/90 STATUS 1 PAGE 4
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-11 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | STORET | A-1D HOLL-II | A-2D HOLL-II | A-7D HOLL-II |
|---|---|---|---|---|
| UNITS | METHOD | 2 | 4 | 7 |
| | | SAMPLE ID/# | | |
| DATE | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | 11:20 | 11:22 | 11:17 |
| PENTACHLOROPHENOL | 39032 | <205 | NRQ | <209 |
| UG/KG-DRY | SCLPS | | | |
| PHENANTHRENE | 34461 | <89.5 | NRQ | 113 |
| UG/KG-DRY | SCLPS | | | |
| ANTHRACENE | 34220 | <99.8 | NRQ | <102 |
| UG/KG-DRY | SCLPS | | | |
| DI-N-BUTYLPHTHALATE | 39110 | <140 | NRQ | <143 |
| UG/KG-DRY | SCLPS | | | |
| FLUORANTHENE | 34376 | <151 | NRQ | 221 |
| UG/KG-DRY | SCLPS | | | |
| PYRENE | 34469 | <95.1 | NRQ | 211 |
| UG/KG-DRY | SCLPS | | | |
| BUTYLBENZYLPHTHALATE | 34292 | <192 | NRQ | <196 |
| UG/KG-DRY | SCLPS | | | |
| 3'-DICHLOROBENZIDINE | 34631 | <149 | NRQ | <152 |
| UG/KG-DRY | SCLPS | | | |
| BENZO(A)ANTHRACENE | 34526 | <82.1 | NRQ | <83.7 |
| UG/KG-DRY | SCLPS | | | |
| CHRYSENE | 34320 | <129 | NRQ | 195 |
| UG/KG-DRY | SCLPS | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 39100 | 710 | NRQ | 2580 |
| UG/KG-DRY | SCLPS | | | |
| DI-N-OCTYLPHTHALATE | 34596 | <94 | NRQ | <96 |
| UG/KG-DRY | SCLPS | | | |
| BENZO(B)FLUORANTHENE | 34230 | <177 | NRQ | 206 |
| UG/KG-DRY | SCLPS | | | |
| BENZO(K)FLUORANTHENE | 34242 | <221 | NRQ | <225 |
| UG/KG-DRY | SCLPS | | | |
| BENZO(A)PYRENE | 34247 | <241 | NRQ | <246 |
| UG/KG-DRY | SCLPS | | | |
| INDENO(1,2,3-CD)PYRENE | 34403 | <127 | NRQ | <129 |
| UG/KG-DRY | SCLPS | | | |
| DIBENZ(A,H)ANTHRACENE | 34556 | <83.9 | NRQ | <85.6 |
| UG/KG-DRY | SCLPS | | | |
| BENZO(GHI)PERYLENE | 34521 | <97.9 | NRQ | <99.9 |
| UG/KG-DRY | SCLPS | | | |
| CHLOROMETHANE | 34418 | <8 | NRQ | <8 |
| UG/KG-DRY | SCLPS | | | |
| BROMOMETHANE | 34413 | <10 | NRQ | <10 |
| UG/KG-DRY | SCLPS | | | |
| VINYL CHLORIDE | 39175 | <8 | NRQ | <8 |
| UG/KG-DRY | SCLPS | | | |
| CHLOROETHANE | 34311 | <23 | NRQ | <23 |
| UG/KG-DRY | SCLPS | | | |
| METHYLENE CHLORIDE | 34423 | <31 | NRQ | 43 |
| UG/KG-DRY | SCLPS | | | |
| ACETONE | 97020 | <31 | NRQ | 62 |
| UG/KG-DRY | SCLPS | | | |
| CARBON DISULFIDE | 77041 | <10 | NRQ | <10 |
| UG/KG-DRY | SCLPS | | | |

Hunter/ESE, Inc. DATE 08/31/90 STATUS : PAGE 5
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-II LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | STORET | SAMPLE ID/# A-1D HOLL-II | A-2D HOLL-II | A-7D HOLL-II |
|---|---|---|---|---|
| UNITS | METHOD | 2 | 4 | 7 |
| DATE | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | 11:20 | 11:22 | 11:17 |
| 1-DICHLOROETHANE | 34496 | <17 | NRQ | <18 |
| UG/KG-DRY | SCLPS | | | |
| 1-DICHLOROETHENE | 34501 | <2 | NRQ | <2 |
| UG/KG-DRY | SCLPS | | | |
| ,2-DICHLOROETHENE ( | 34546 | <5 | NRQ | <5 |
| T) UG/KG-DRY | SCLPS | | | |
| HLOROFORM | 32106 | <3 | NRQ | <3 |
| UG/KG-DRY | SCLPS | | | |
| 1,2-DICHLOROETHANE | 34531 | <2 | NRQ | <2 |
| UG/KG-DRY | SCLPS | | | |
| -BUTANONE | 81595 | <15 | NRQ | <16 |
| UG/KG-DRY | SCLPS | | | |
| 1,1,1-TRICHL'ETHANE | 34506 | <1 | NRQ | <1 |
| UG/KG-DRY | SCLPS | | | |
| ARBON TETRACHLORIDE | 32102 | <2 | NRQ | <2 |
| UG/KG-DRY | SCLPS | | | |
| ROMODICHLOROMETHANE | 32101 | <3 | NRQ | <3 |
| UG/KG-DRY | SCLPS | | | |
| 1,1,2,2-TETRACHLORO | 34516 | <12 | NRQ | <12 |
| ETHANE UG/KG-DRY | SCLPS | | | |
| ,2-DICHLOROPROPANE | 98790 | <2 | NRQ | <2 |
| UG/KG-DRY | SCLPS | | | |
| TRANS-1,3-DICHLOROPR | 98792 | | NRQ | |
| PENE UG/KG-DRY | SCLPS | | | |
| RICHLOROETHENE | 39180 | <0.5 | NRQ | <0.6 |
| UG/KG-DRY | SCLPS | | | |
| IBROMOCHLOROMETHANE | 32105 | <5 | NRQ | <5 |
| UG/KG-DRY | SCLPS | | | |
| 1,1,2-TRICHL'ETHANE | 34511 | <5 | NRQ | <5 |
| UG/KG-DRY | SCLPS | | | |
| ENZENE | 34030 | <1 | NRQ | <1 |
| UG/KG-DRY | SCLPS | | | |
| CIS-1,3-DICHLOROPROP | 34704 | <6 | NRQ | <7 |
| NE UG/KG-DRY | SCLPS | | | |
| ROMOFORM | 32104 | <7 | NRQ | <7 |
| UG/KG-DRY | SCLPS | | | |
| 4-METHYL-2-PENTANONE | 98696 | <16 | NRQ | <16 |
| UG/KG-DRY | SCLPS | | | |
| ETRACHLOROETHENE | 34475 | <1 | NRQ | <1 |
| UG/KG-DRY | SCLPS | | | |
| TOLUENE | 34010 | <2 | NRQ | 3 |
| UG/KG-DRY | SCLPS | | | |
| CHLOROBENZENE | 34301 | <0.7 | NRQ | <0.8 |
| UG/KG-DRY | SCLPS | | | |
| ETHYLBENZENE | 34371 | <2 | NRQ | 3 |
| UG/KG-DRY | SCLPS | | | |
| XYLENES,TOTAL | 81551 | <2 | NRQ | 14 |
| UG/KG-DRY | SCLPS | | | |
| STYRENE | 99210 | <0.8 | NRQ | <0.8 |
| UG/KG-DRY | SCLPS | | | |

Hunter/ESE, Inc. DATE 08/31/90 STATUS : PAGE 6
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-II LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1D HOLL-II 2 | A-2D HOLL-II 4 | A-7D HOLL-II 7 |
|---|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 | 06/16/90 |
| TIME | | | 11:20 | 11:22 | 11:17 |
| NYL ACETATE | UG/KG-DRY | 77057 SCLPS | <9 | NRQ | <9 |
| HEXANONE | UG/KG-DRY | 77103 SCLPS | <16 | NRQ | <16 |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 1
PROJECT NUMBER 69020129-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-4 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-1 HOLL-II 1 | A-2 HOLL-II 3 | A-3 HOLL-II 5 | A-7 HOLL-II 6 | A-24 HOLL-II 16 |
|---|---|---|---|---|---|---|---|
| DATE | | | 08/16/90 | 08/16/90 | 08/16/90 | 08/16/90 | 08/16/90 |
| TIME | | | 11:20 | 11:22 | 11:20 | 11:17 | 11:42 |
| ARSENIC,LEACHATE | MG/L | 61522 DICAP | <0.021 | NRQ | NRQ | <0.021 | <0.021 |
| BARIUM,LEACHATE | MG/L | 1007 ADICP | 0.107 | NRQ | NRQ | 0.203 | 0.126 |
| CADMIUM,LEACHATE | MG/L | 61528 DICAP | <0.002 | NRQ | NRQ | <0.002 | <0.002 |
| CHROMIUM,LEACHATE | MG/L | 61513 DICAP | <0.005 | NRQ | NRQ | 0.005 | <0.005 |
| LEAD,LEACHATE | MG/L | 61504 DICAP | 0.028 | NRQ | NRQ | <0.024 | <0.024 |
| SELENIUM,LEACHATE | MG/L | 61519 DICAP | <0.033 | NRQ | NRQ | <0.033 | <0.033 |
| SILVER,LEACHATE | MG/L | 97528 ADICP | <0.0031 | NRQ | NRQ | <0.0031 | <0.0031 |
| MERCURY,LEACHATE | MG/L | 61501 DCVAA | <0.0002 | NRQ | NRQ | <0.0002 | <0.0002 |
| ARSENIC,SED | MG/KG-DRY | 1003 GFAA | NRQ | 2.62 | 2.17 | NRQ | NRQ |
| LEAD,SED | MK/KG-DRY | 1052 GFAA | NRQ | 16.3 | 4.91 | NRQ | NRQ |
| SELENIUM,SED | MG/KG-DRY | 1148 GFAA | NRQ | <0.389 | <0.343 | NRQ | NRQ |
| MERCURY,SED | MG/KG-DRY | 71921 CVAA | NRQ | 0.512 | <0.137 | NRQ | NRQ |
| CYANIDE | MG/KG-DRY | 721 CLP | NRQ | NRQ | NRQ | NRQ | NRQ |
| BARIUM,SED | MG/KG-DRY | 1008 ADICP | NRQ | NRQ | 98.8 | NRQ | NRQ |
| CADMIUM,SED | MG/KG-DRY | 1028 ADICP | NRQ | NRQ | 0.440 | NRQ | NRQ |
| CHROMIUM,SED | MG/KG-DRY | 1029 ADICP | NRQ | NRQ | 8.45 | NRQ | NRQ |
| SILVER,SED | MG/KG-DRY | 1078 ADICP | NRQ | NRQ | 1.10 | NRQ | NRQ |

Hunter/ESE, Inc. DATE 08/30/90 STATUS : PAGE 2
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-4 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-13 HOLL-II 31 | A-14 HOLL-II 32 | A-15 HOLL-II 33 | A-27 HOLL-II 36 | A-29 HOLL-II 38 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 |
| TIME | | | 11:20 | 11:42 | 11:32 | 11:14 | 11:55 |
| ARSENIC,LEACHATE | MG/L | 61522 DICAP | <0.021 | NRQ | <0.063 | NRQ | NRQ |
| BARIUM,LEACHATE | MG/L | 1007 ADICP | 0.124 | NRQ | 0.199 | NRQ | NRQ |
| CADMIUM,LEACHATE | MG/L | 61528 DICAP | <0.002 | NRQ | <0.007 | NRQ | NRQ |
| CHROMIUM,LEACHATE | MG/L | 61513 DICAP | <0.005 | NRQ | <0.014 | NRQ | NRQ |
| LEAD,LEACHATE | MG/L | 61504 DICAP | <0.024 | NRQ | <0.072 | NRQ | NRQ |
| SELENIUM,LEACHATE | MG/L | 61519 DICAP | <0.033 | NRQ | <0.098 | NRQ | NRQ |
| SILVER,LEACHATE | MG/L | 97528 ADICP | <0.0031 | NRQ | <0.0093 | NRQ | NRQ |
| MERCURY,LEACHATE | MG/L | 61501 DCVAA | <0.0002 | NRQ | <0.0002 | NRQ | NRQ |
| ARSENIC,SED | MG/KG-DRY | 1003 GFAA | NRQ | 4.38 | NRQ | NRQ | NRQ |
| LEAD,SED | MK/KG-DRY | 1052 GFAA | NRQ | 19.0 | NRQ | NRQ | NRQ |
| SELENIUM,SED | MG/KG-DRY | 1148 GFAA | NRQ | <0.435 | NRQ | NRQ | NRQ |
| MERCURY,SED | MG/KG-DRY | 71921 CVAA | NRQ | 0.815 | NRQ | NRQ | NRQ |
| CYANIDE | MG/KG-DRY | 721 CLP | NRQ | <1.74 | NRQ | NRQ | 2.45 |
| BARIUM,SED | MG/KG-DRY | 1008 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ |
| CADMIUM,SED | MG/KG-DRY | 1028 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ |
| CHROMIUM,SED | MG/KG-DRY | 1029 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ |
| SILVER,SED | MG/KG-DRY | 1078 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOL-17

DATE 08/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-8 HOLL-II 8 | A-9 HOLL-II 9 |
|---|---|---|---|---|
| DATE | | | 06/16/90 | 06/16/90 |
| TIME | | | 11:51 | 11:25 |
| ARSENIC,SED | MG/KG-DRY | 1003 GFAA | 5.03 | NRQ |
| LEAD,SED | MK/KG-DRY | 1052 GFAA | 181 | NRQ |
| SELENIUM,SED | MG/KG-DRY | 1148 GFAA | 3.72 | NRQ |
| MERCURY,SED | MG/KG-DRY | 71921 CVAA | 4.57 | NRQ |
| CYANIDE | MG/KG-DRY | 721 CLP | NRQ | <1.48 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-17 HOLL-II 19 | A-18 HOLL-II 20 | A-32 HOLL-II 21 | A-33 HOLL-II 22 | A-34 HOLL-II 23 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 | 07/05/90 | 07/05/90 | 07/05/90 |
| TIME | | | 14:27 | 14:34 | 14:42 | 14:39 | 14:46 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <2330 | <2750 | <11800 | <12700 | <7710 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <2300 | <2800 | <12000 | <13000 | <7700 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <2300 | <2800 | <12000 | <13000 | <7700 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <2300 | <2800 | <12000 | <13000 | <7700 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <2300 | <2800 | <12000 | <13000 | <7700 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 5400 | 13000 | 9700 | 27000 | 15000 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <2300 | <5500 | <2400 | <25000 | <15000 |
| BHC,A | UG/KG-DRY | 39076 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| BHC,B | UG/KG-DRY | 34257 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| BHC,D | UG/KG-DRY | 34262 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| ALDRIN | UG/KG-DRY | 39333 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | NRQ | <275 | NRQ | NRQ | NRQ |
| DIELDRIN | UG/KG-DRY | 39383 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| DDE,PP' | UG/KG-DRY | 39321 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| ENDRIN | UG/KG-DRY | 39393 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| DDD,PP' | UG/KG-DRY | 39311 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| DDT,PP' | UG/KG-DRY | 39301 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | NRQ | <2750 | NRQ | NRQ | NRQ |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | NRQ | <550 | NRQ | NRQ | NRQ |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | NRQ | <550 | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-17 HOLL-II 19 | A-18 HOLL-II 20 | A-32 HOLL-II 21 | A-33 HOLL-II 22 | A-34 HOLL-II 23 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 | 07/05/90 | 07/05/90 | 07/05/90 |
| TIME | | | 14:27 | 14:34 | 14:42 | 14:39 | 14:46 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | NRQ | <3000 | NRQ | NRQ | NRQ |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | NRQ | <3000 | NRQ | NRQ | NRQ |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | NRQ | <5500 | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-35 HCLL-II 24 | A-36 HOLL-II 25 | A-36D HOLL-II 26 |
|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 | 07/05/90 |
| TIME | | | 14:32 | 14:36 | 14:36 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <208 | <219 | <221 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <210 | <220 | <220 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <210 | <220 | <220 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <210 | <220 | <220 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <210 | <220 | <220 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <420 | <440 | <440 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <420 | <440 | <440 |
| BHC,A | UG/KG-DRY | 39076 DEC | <20.8 | NRQ | NRQ |
| BHC,B | UG/KG-DRY | 34257 DEC | <20.8 | NRQ | NRQ |
| BHC,D | UG/KG-DRY | 34262 DEC | <20.8 | NRQ | NRQ |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | <20.8 | NRQ | NRQ |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | <20.8 | NRQ | NRQ |
| ALDRIN | UG/KG-DRY | 39333 DEC | <20.8 | NRQ | NRQ |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | <20.8 | NRQ | NRQ |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | <20.8 | NRQ | NRQ |
| DIELDRIN | UG/KG-DRY | 39383 DEC | <41.7 | NRQ | NRQ |
| DDE,PP' | UG/KG-DRY | 39321 DEC | <41.7 | NRQ | NRQ |
| ENDRIN | UG/KG-DRY | 39393 DEC | <41.7 | NRQ | NRQ |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | <41.7 | NRQ | NRQ |
| DDD,PP' | UG/KG-DRY | 39311 DEC | <41.7 | NRQ | NRQ |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | <41.7 | NRQ | NRQ |
| DDT,PP' | UG/KG-DRY | 39301 DEC | <41.7 | NRQ | NRQ |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | <208 | NRQ | NRQ |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | <41.7 | NRQ | NRQ |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | <41.7 | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-35 HOLL-II 24 | A-36 HOLL-II 25 | A-36D HOLL-II 26 |
|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 | 07/05/90 |
| TIME | | | 14:32 | 14:36 | 14:36 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | <200 | NRQ | NRQ |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | <200 | NRQ | NRQ |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | <417 | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 08/01/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-17 HOLL-II 19 | A-33 HOLL-II 22 | A-35 HOLL-II 24 | A-36 HOLL-II 25 |
|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 | 07/05/90 | 07/05/90 |
| TIME | | | 14:27 | 14:39 | 14:32 | 14:36 |
| ARSENIC,LEACHATE | MG/L | 61522 DICAP | 0.028 | NRQ | NRQ | NRQ |
| BARIUM,LEACHATE | MG/L | 1007 ADICP | 0.160 | NRQ | NRQ | NRQ |
| CADMIUM,LEACHATE | MG/L | 61528 DICAP | <0.002 | NRQ | NRQ | NRQ |
| CHROMIUM,LEACHATE | MG/L | 61513 DICAP | <0.005 | NRQ | NRQ | NRQ |
| LEAD,LEACHATE | MG/L | 61504 DICAP | <0.024 | NRQ | NRQ | NRQ |
| SELENIUM,LEACHATE | MG/L | 61519 DICAP | <0.033 | NRQ | NRQ | NRQ |
| SILVER,LEACHATE | MG/L | 97528 ADICP | <0.0031 | NRQ | NRQ | NRQ |
| MERCURY,LEACHATE | MG/L | 61501 DCVAA | <0.0002 | NRQ | NRQ | NRQ |
| BARIUM,SED | MG/KG-DRY | 1008 ADICP | NRQ | 215 | NRQ | 106 |
| CADMIUM,SED | MG/KG-DRY | 1028 ADICP | NRQ | 11.4 | NRQ | <0.328 |
| CHROMIUM,SED | MG/KG-DRY | 1029 ADICP | NRQ | 189 | NRQ | 12.2 |
| SILVER,SED | MG/KG-DRY | 1078 ADICP | NRQ | 436 | NRQ | <0.424 |
| ARSENIC,SED | MG/KG-DRY | 1003 GFAA | NRQ | 5.13 | 1.86 | 2.60 |
| LEAD,SED | MK/KG-DRY | 1052 GFAA | NRQ | 222 | 9.60 | 6.40 |
| SELENIUM,SED | MG/KG-DRY | 1148 GFAA | NRQ | 7.45 | <0.326 | <0.342 |
| MERCURY,SED | MG/KG-DRY | 71921 CVAA | NRQ | 3.71 | 0.527 | <0.137 |
| CYANIDE | MG/KG-DRY | 721 CLP | NRQ | NRQ | <1 | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 08/01/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-18 HOLL-II 20 |
|---|---|---|---|
| DATE | | | 07/05/90 |
| TIME | | | 14:34 |
| CHLOROMETHANE | UG/KG-DRY | 34418 SCLPS | <42 |
| BROMOMETHANE | UG/KG-DRY | 34413 SCLPS | <12 |
| VINYL CHLORIDE | UG/KG-DRY | 39175 SCLPS | <9 |
| CHLOROETHANE | UG/KG-DRY | 34311 SCLPS | <28 |
| METHYLENE CHLORIDE | UG/KG-DRY | 34423 SCLPS | <38 |
| ACETONE | UG/KG-DRY | 97020 SCLPS | <38 |
| CARBON DISULFIDE | UG/KG-DRY | 77041 SCLPS | <12 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | 34496 SCLPS | <21 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501 SCLPS | <3 |
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546 SCLPS | <6 |
| CHLOROFORM | UG/KG-DRY | 32106 SCLPS | <3 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | 34531 SCLPS | <2 |
| 2-BUTANONE | UG/KG-DRY | 81595 SCLPS | <19 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | 34506 SCLPS | <2 |
| CARBON TETRACHLORIDE | UG/KG-DRY | 32102 SCLPS | <2 |
| BROMODICHLOROMETHANE | UG/KG-DRY | 32101 SCLPS | <3 |
| 1,1,2,2-TETRACHLOROETHANE | UG/KG-DRY | 34516 SCLPS | <14 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | 98790 SCLPS | <2 |
| TRANS-1,3-DICHLOROPROPENE | UG/KG-DRY | 98792 SCLPS | <3 |
| TRICHLOROETHENE | UG/KG-DRY | 39180 SCLPS | <1 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | 32105 SCLPS | <6 |
| 1,1,2-TRICHL'ETHANE | UG/KG-DRY | 34511 SCLPS | <6 |
| BENZENE | UG/KG-DRY | 34030 SCLPS | <2 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | 34704 SCLPS | <8 |
| BROMOFORM | UG/KG-DRY | 32104 SCLPS | <9 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/01/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-18 HOLL-II 20 |
|---|---|---|---|
| DATE | | | 07/05/90 |
| TIME | | | 14:34 |
| 4-METHYL-2-PENTANONE | UG/KG-DRY | 98696 SCLPS | <19 |
| TETRACHLOROETHENE | UG/KG-DRY | 34475 SCLPS | <2 |
| TOLUENE | UG/KG-DRY | 34010 SCLPS | 3 |
| CHLOROBENZENE | UG/KG-DRY | 34301 SCLPS | <1 |
| ETHYLBENZENE | UG/KG-DRY | 34371 SCLPS | <2 |
| XYLENES,TOTAL | UG/KG-DRY | 81551 SCLPS | <2 |
| STYRENE | UG/KG-DRY | 99210 SCLPS | <3 |
| VINYL ACETATE | UG/KG-DRY | 77057 SCLPS | <10 |
| 2-HEXANONE | UG/KG-DRY | 77103 SCLPS | <19 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-18 HOLL-II 20 | A-12 HOLL-II 30 | A-28 HOLL-II 37 | A-31 HOLL-II 64 |
|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/19/90 | 07/19/90 | 08/22/90 |
| TIME | | | 14:34 | 11:36 | 11:07 | 15:25 |
| PHENOL | UG/KG-DRY | 34694 SCLPS | <1290 | <307 | <261 | <215 |
| BIS(2-CHLOROETHYL)ETHER | UG/KG-DRY | 34273 SCLPS | <566 | <135 | <115 | <94 |
| 2-CHLOROPHENOL | UG/KG-DRY | 34586 SCLPS | <627 | <150 | <127 | <105 |
| 1,3,DICHLOROBENZENE | UG/KG-DRY | 34566 SCLPS | <1780 | <425 | <361 | <297 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | 34571 SCLPS | <1970 | <470 | <400 | <329 |
| BENZYL ALCOHOL | UG/KG-DRY | 77147 SCLPS | <717 | <171 | <145 | <120 |
| 1,2-DICHLOROBENZENE | UG/KG-DRY | 34536 SCLPS | <2160 | <515 | <438 | <361 |
| 2-METHYL PHENOL | UG/KG-DRY | 99073 SCLPS | <717 | <171 | <145 | <120 |
| BIS(2-CHL'ISOPROPYL) ETHER | UG/KG-DRY | 34283 SCLPS | <935 | <223 | <190 | <156 |
| 4-METHYL PHENOL | UG/KG-DRY | 99074 SCLPS | <2180 | <519 | <441 | <364 |
| N-NITROSODI-N-PROPYL AMINE | UG/KG-DRY | 34428 SCLPS | <672 | <160 | <136 | <112 |
| HEXACHLOROETHANE | UG/KG-DRY | 34396 SCLPS | <2500 | <595 | <506 | <417 |
| NITROBENZENE | UG/KG-DRY | 34447 SCLPS | <527 | <125 | <107 | <88 |
| ISOPHORONE | UG/KG-DRY | 34408 SCLPS | <510 | <121 | <103 | <85 |
| 2-NITROPHENOL | UG/KG-DRY | 34591 SCLPS | <400 | <96 | <82 | <67 |
| 2,4-DIMETHYLPHENOL | UG/KG-DRY | 34606 SCLPS | <1920 | <458 | <389 | <321 |
| BENZOIC ACID | UG/KG-DRY | 77247 SCLPS | <3490 | <832 | <707 | <583 |
| BIS(2-CHLOROETHOXY)METHANE | UG/KG-DRY | 34278 SCLPS | <661 | <158 | <134 | <110 |
| 2,4-DICHLOROPHENOL | UG/KG-DRY | 34601 SCLPS | <795 | <190 | <161 | <133 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | 34551 SCLPS | <1660 | <396 | <337 | <278 |
| NAPHTHALENE | UG/KG-DRY | 34696 SCLPS | <1660 | <395 | <336 | <277 |
| 4-CHLOROANILINE | UG/KG-DRY | 99075 SCLPS | <941 | <224 | <191 | <157 |
| HEXACHLOROBUTADIENE | UG/KG-DRY | 34391 SCLPS | <1980 | <473 | <402 | <331 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | 34452 SCLPS | <902 | <215 | <183 | <151 |
| 2-METHLYNAPHTHALENE | UG/KG-DRY | 77416 SCLPS | <1770 | <422 | <359 | <291 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-18 HOLL-II 20 | A-12 HOLL-II 30 | A-28 HOLL-II 37 | A-31 HOLL-II 64 |
|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/19/90 | 07/19/90 | 08/22/90 |
| TIME | | | 14:34 | 11:36 | 11:07 | 15:25 |
| HEXACHLOROCYCLOPENTA DIENE | UG/KG-DRY | 34386 SCLPS | <1150 | <274 | <233 | <192 |
| 2,4,6-TRICHL'PHENOL | UG/KG-DRY | 34621 SCLPS | <823 | <196 | <167 | <137 |
| 2,4,5-TRICHL'PHENOL | UG/KG-DRY | 77687 SCLPS | <773 | <184 | <157 | <129 |
| 2-CHLORONAPHTHALENE | UG/KG-DRY | 34581 SCLPS | <711 | <170 | <144 | <119 |
| 2-NITROANILINE | UG/KG-DRY | 99077 SCLPS | <599 | <143 | <121 | <100 |
| DIMETHYLPTHALATE | UG/KG-DRY | 34341 SCLPS | <1470 | <350 | <297 | <245 |
| ACENAPHTHYLENE | UG/KG-DRY | 34200 SCLPS | <767 | <183 | <155 | <128 |
| 2,6-DINITROTOLUENE | UG/KG-DRY | 34626 SCLPS | <924 | <220 | <187 | <154 |
| 3-NITROANILINE | UG/KG-DRY | 99078 SCLPS | <997 | <238 | <202 | <166 |
| ACENAPHTHENE | UG/KG-DRY | 34205 SCLPS | <1070 | <255 | <217 | <179 |
| 2,4-DINITROPHENOL | UG/KG-DRY | 34616 SCLPS | <1700 | <406 | <345 | <284 |
| 4-NITROPHENOL | UG/KG-DRY | 34646 SCLPS | <1460 | <348 | <296 | <244 |
| DIBENZOFURAN | UG/KG-DRY | 81302 SCLPS | <577 | <137 | <117 | <96 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611 SCLPS | <633 | <151 | <128 | <106 |
| DIETHYLPHTHALATE | UG/KG-DRY | 34336 SCLPS | <1320 | <315 | <268 | <221 |
| 4-CHLOROPHENYLPHENYL ETHER | UG/KG-DRY | 34641 SCLPS | <672 | <160 | <136 | <112 |
| FLUORENE | UG/KG-DRY | 34381 SCLPS | <863 | <206 | <175 | <144 |
| 4-NITROANILINE | UG/KG-DRY | 99079 SCLPS | <1520 | <363 | <309 | <254 |
| 2-METHYL-4,6-DINITRO PHENOL | UG/KG-DRY | 34657 SCLPS | <1340 | <320 | <272 | <224 |
| N-NITROSODIPHE'AMINE | UG/KG-DRY | 34433 SCLPS | <605 | <144 | <123 | <101 |
| 4-BROMOPHENYLPHENYL ETHER | UG/KG-DRY | 34636 SCLPS | <555 | <132 | <112 | <93 |
| HEXACHLOROBENZENE | UG/KG-DRY | 39700 SCLPS | <767 | <183 | <155 | <128 |
| PENTACHLOROPHENOL | UG/KG-DRY | 39032 SCLPS | <1230 | <294 | <250 | <206 |
| PHENANTHRENE | UG/KG-DRY | 34461 SCLPS | <538 | <128 | <109 | <180 |
| ANTHRACENE | UG/KG-DRY | 34220 SCLPS | <599 | <143 | <121 | <100 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-18 HOLL-II 20 | A-12 HOLL-II 30 | A-28 HOLL-II 37 | A-31 HOLL-II 64 |
|---|---|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/19/90 | 07/19/90 | 08/22/90 |
| TIME | | | 14:34 | 11:36 | 11:07 | 15:25 |
| DI-N-BUTYLPHTHALATE | UG/KG-DRY | 39110 SCLPS | <840 | <200 | 185 | <140 |
| FLUORANTHENE | UG/KG-DRY | 34376 SCLPS | <907 | <216 | <184 | <303 |
| PYRENE | UG/KG-DRY | 34469 SCLPS | 667 | <136 | <116 | <191 |
| BUTYLBENZYLPHTHALATE | UG/KG-DRY | 34292 SCLPS | <1150 | <275 | <234 | <193 |
| 3,3'-DICHL'BENZIDINE | UG/KG-DRY | 34631 SCLPS | <896 | <214 | <182 | <150 |
| BENZO(A)ANTHRACENE | UG/KG-DRY | 34526 SCLPS | <493 | <117 | <99.9 | <82.3 |
| CHRYSENE | UG/KG-DRY | 34320 SCLPS | <773 | <184 | <157 | <129 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | 39100 SCLPS | 6410 | 663 | 952 | 5130 |
| DI-N-OCTYLPHTHALATE | UG/KG-DRY | 34596 SCLPS | <566 | <135 | <115 | <94 |
| BENZO(B)FLUORANTHENE | UG/KG-DRY | 34230 SCLPS | <1060 | <254 | <216 | <178 |
| BENZO(K)FLUORANTHENE | UG/KG-DRY | 34242 SCLPS | <1330 | <316 | <269 | <222 |
| BENZO(A)PYRENE | UG/KG-DRY | 34247 SCLPS | <1450 | <346 | <294 | <242 |
| INDENO(1,2,3-CD)PYRENE | UG/KG-DRY | 34403 SCLPS | <762 | <182 | <154 | <127 |
| DIBEN'(A,H)ANTH'CENE | UG/KG-DRY | 34556 SCLPS | <504 | <120 | <102 | <84.2 |
| BENZO(GHI)PERYLENE | UG/KG-DRY | 34521 SCLPS | <588 | <140 | <119 | <98.2 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOL-1

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-5 HOLL-II 28 | A-11 HOLL-II 29 | A-13 HOLL-II 31 | A-14 HOLL-II 32 | A-15 HOLL-II 33 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 |
| TIME | | | 11:27 | 11:20 | 11:20 | 11:42 | 11:32 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <44.9 | <44.5 | <47.2 | <290 | <54.3 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <45 | <44 | <47 | <290 | <54 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <45 | <44 | <47 | <290 | <54 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <45 | <44 | <47 | <290 | <54 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <45 | <44 | <47 | <290 | <54 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 1100 | <44 | 62 | 2200 | 900 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <45 | <44 | <47 | <290 | <54 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOL-1

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-25 HOLL-II 34 | A-26 HOLL-II 35 | A-27 HOLL-II 36 | A-29 HOLL-II 38 | A-30 HOLL-II 39 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 |
| TIME | | | 11:52 | 11:49 | 11:14 | 11:55 | 11:31 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <46.4 | <57.6 | <45.6 | <283 | <52.8 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <46 | <58 | <46 | <280 | <53 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <46 | <58 | <46 | <280 | <53 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <46 | <58 | <46 | <280 | <53 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <46 | <58 | <46 | <280 | <53 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <46 | 110 | <46 | 1500 | 700 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <46 | <58 | <46 | <57 | <53 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 07/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-4 HOLL-II 27 | A-12 HOLL-II 30 | A-28 HOLL-II 37 |
|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 |
| TIME | | | 12:00 | 11:36 | 11:07 |
| BHC,A | UG/KG-DRY | 39076 DEC | <9.74 | <13.3 | <11.3 |
| BHC,B | UG/KG-DRY | 34257 DEC | <9.74 | <13.3 | <11.3 |
| BHC,D | UG/KG-DRY | 34262 DEC | <9.74 | <13.3 | <11.3 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | <9.74 | <13.3 | <11.3 |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | <9.74 | <13.3 | <11.3 |
| ALDRIN | UG/KG-DRY | 39333 DEC | <9.74 | <13.3 | <11.3 |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | <9.74 | <13.3 | <11.3 |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | <9.74 | <13.3 | <11.3 |
| DIELDRIN | UG/KG-DRY | 39383 DEC | <9.74 | <13.3 | <11.3 |
| DDE,PP' | UG/KG-DRY | 39321 DEC | <9.74 | <13.3 | <11.3 |
| ENDRIN | UG/KG-DRY | 39393 DEC | <9.74 | <13.3 | <11.3 |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | <19.5 | <26.7 | <22.7 |
| DDD,PP' | UG/KG-DRY | 39311 DEC | <19.5 | <26.7 | <22.7 |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | <19.5 | <26.7 | <22.7 |
| DDT,PP' | UG/KG-DRY | 39301 DEC | <19.5 | <26.7 | <22.7 |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | <97.4 | <133 | <113 |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | <19.5 | <26.7 | <22.7 |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | <24.4 | <33.4 | <28.4 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | <10 | <10 | <10 |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | <10 | <10 | <10 |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | <390 | <534 | <454 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <97.4 | <133 | <113 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <97 | <130 | <110 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <97 | <130 | <110 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <97 | <130 | <110 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 07/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-4 HOLL-II 27 | A-12 HOLL-II 30 | A-28 HOLL-II 37 |
|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 |
| TIME | | | 12:00 | 11:36 | 11:07 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <97 | <130 | <110 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 560 | <130 | 250 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <97 | <130 | <110 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-28 HOLL-II 37 |
|---|---|---|---|
| DATE | | | 07/19/90 |
| TIME | | | 11:07 |
| CHLOROMETHANE | UG/KG-DRY | 34418 SCLPS | <11 |
| BROMOMETHANE | UG/KG-DRY | 34413 SCLPS | <14 |
| VINYL CHLORIDE | UG/KG-DRY | 39175 SCLPS | <11 |
| CHLOROETHANE | UG/KG-DRY | 34311 SCLPS | <32 |
| METHYLENE CHLORIDE | UG/KG-DRY | 34423 SCLPS | 219 |
| ACETONE | UG/KG-DRY | 97020 SCLPS | <44 |
| CARBON DISULFIDE | UG/KG-DRY | 77041 SCLPS | <14 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | 34496 SCLPS | <25 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501 SCLPS | <3 |
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546 SCLPS | <7 |
| CHLOROFORM | UG/KG-DRY | 32106 SCLPS | <4 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | 34531 SCLPS | <3 |
| 2-BUTANONE | UG/KG-DRY | 81595 SCLPS | <22 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | 34506 SCLPS | <2 |
| CARBON TETRACHLORIDE | UG/KG-DRY | 32102 SCLPS | <2 |
| BROMODICHLOROMETHANE | UG/KG-DRY | 32101 SCLPS | <4 |
| 1,1,2,2-TETRACHLORO ETHANE | UG/KG-DRY | 34516 SCLPS | <17 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | 98790 SCLPS | <3 |
| TRANS-1,3-DICHLOROPROPENE | UG/KG-DRY | 98792 SCLPS | <4 |
| TRICHLOROETHENE | UG/KG-DRY | 39180 SCLPS | <0.8 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | 32105 SCLPS | <6 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-28 HOLL-II 37 |
|---|---|---|---|
| DATE | | | 07/19/90 |
| TIME | | | 11:07 |
| 1,1,2-TRICHL'ETHANE | UG/KG-DRY | 34511 SCLPS | <7 |
| BENZENE | UG/KG-DRY | 34030 SCLPS | <2 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | 34704 SCLPS | <9 |
| BROMOFORM | UG/KG-DRY | 32104 SCLPS | <11 |
| 4-METHYL-2-PENTANONE | UG/KG-DRY | 98696 SCLPS | <22 |
| TETRACHLOROETHENE | UG/KG-DRY | 34475 SCLPS | <2 |
| TOLUENE | UG/KG-DRY | 34010 SCLPS | <3 |
| CHLOROBENZENE | UG/KG-DRY | 34301 SCLPS | <1 |
| ETHYLBENZENE | UG/KG-DRY | 34371 SCLPS | <2 |
| XYLENES,TOTAL | UG/KG-DRY | 81551 SCLPS | <2 |
| STYRENE | UG/KG-DRY | 99210 SCLPS | <1 |
| VINYL ACETATE | UG/KG-DRY | 77057 SCLPS | <10 |
| 2-HEXANONE | UG/KG-DRY | 77103 SCLPS | <22 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-19A HOLL-II 40 | A-19B HOLL-II 41 | A-21A HOLL-II 42 | A-21B HOLL-II 43 | A-21C HOLL-II 44 |
|---|---|---|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 | 08/02/90 | 08/02/90 | 08/02/90 |
| TIME | | | 13:02 | 13:03 | 13:16 | 13:07 | 13:10 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <3620 | <3530 | <162 | <3490 | <513 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <3600 | <3500 | <160 | <3500 | <510 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <3600 | <3500 | <160 | <3500 | <510 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <3600 | <3500 | <160 | <3500 | <510 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <3600 | <3500 | <160 | <3500 | <510 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 110000 | 210000 | 2800 | 76000 | 8100 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <3600 | <3500 | <160 | <3500 | <510 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-23A HOLL-II 45 | A-23A-D HOLL-II 46 | A-23B HOLL-II 47 | A-33A HOLL-II 48 |
|---|---|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 | 08/02/90 | 08/02/90 |
| TIME | | | 13:21 | 13:21 | 13:08 | 13:05 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <300 | <303 | <937 | <1040 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <300 | <300 | <940 | <1000 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <300 | <300 | <940 | <1000 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <300 | <300 | <940 | <1000 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <300 | <300 | <940 | <1000 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 4500 | 5200 | 6200 | 2500 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <300 | <300 | <940 | <1000 |

Hunter/ESE, Inc. DATE 08/28/90 STATUS : 
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB SOILS
FIELD GROUP HOLL-II PROJECT MANAGER DOYCE BLAIR
HOL-1 LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-6 HOLL-II 62 | A-16 HOLL-II 63 | A-31 HOLL-II 64 |
|---|---|---|---|---|---|
| DATE | | | 08/22/90 | 08/22/90 | 08/22/90 |
| TIME | | | 15:15 | 15:20 | 15:25 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <48.7 | <295 | <46.8 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <49 | <300 | <47 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <49 | <300 | <47 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <49 | <300 | <47 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <49 | <300 | <47 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 3600 | 19000 | 100 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <49 | <300 | <47 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-31 HOLL-II 64 |
|---|---|---|---|
| DATE | | | 08/22/90 |
| TIME | | | 15:25 |
| CHLOROMETHANE | UG/KG-DRY | 34418 SCLPS | <8 |
| BROMOMETHANE | UG/KG-DRY | 34413 SCLPS | <10 |
| VINYL CHLORIDE | UG/KG-DRY | 39175 SCLPS | <8 |
| CHLOROETHANE | UG/KG-DRY | 34311 SCLPS | <23 |
| METHYLENE CHLORIDE | UG/KG-DRY | 34423 SCLPS | <31 |
| ACETONE | UG/KG-DRY | 97020 SCLPS | <31 |
| CARBON DISULFIDE | UG/KG-DRY | 77041 SCLPS | <10 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | 34496 SCLPS | <17 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501 SCLPS | <2 |
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546 SCLPS | <5 |
| CHLOROFORM | UG/KG-DRY | 32106 SCLPS | <3 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | 34531 SCLPS | <2 |
| 2-BUTANONE | UG/KG-DRY | 81595 SCLPS | <15 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | 34506 SCLPS | <1 |
| CARBON TETRACHLORIDE | UG/KG-DRY | 32102 SCLPS | <2 |
| BROMODICHLOROMETHANE | UG/KG-DRY | 32101 SCLPS | <3 |
| 1,1,2,2-TETRACHLORO ETHANE | UG/KG-DRY | 34516 SCLPS | <12 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | 98790 SCLPS | <2 |
| TRANS-1,3-DICHLOROPR OPENE | UG/KG-DRY | 98792 SCLPS | <3 |
| TRICHLOROETHENE | UG/KG-DRY | 39180 SCLPS | <0.5 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | 32105 SCLPS | <5 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
HOLL-14

DATE 08/31/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-31 HOLL-II 64 |
|---|---|---|---|
| DATE | | | 08/22/90 |
| TIME | | | 15:25 |
| 1,1,2-TRICHLOROETHANE | UG/KG-DRY | 34511 SCLPS | <5 |
| BENZENE | UG/KG-DRY | 34030 SCLPS | <1 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | 34704 SCLPS | <6 |
| BROMOFORM | UG/KG-DRY | 32104 SCLPS | <7 |
| 4-METHYL-2-PENTANONE | UG/KG-DRY | 98696 SCLPS | <16 |
| TETRACHLOROETHENE | UG/KG-DRY | 34475 SCLPS | <1 |
| TOLUENE | UG/KG-DRY | 34010 SCLPS | <2 |
| CHLOROBENZENE | UG/KG-DRY | 34301 SCLPS | <0.7 |
| ETHYLBENZENE | UG/KG-DRY | 34371 SCLPS | <2 |
| XYLENES,TOTAL | UG/KG-DRY | 81551 SCLPS | 8 |
| STYRENE | UG/KG-DRY | 99210 SCLPS | <0.8 |
| VINYL ACETATE | UG/KG-DRY | 77057 SCLPS | <9 |
| 2-HEXANONE | UG/KG-DRY | 77103 SCLPS | <16 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# A-16 HOLL-II 63 | A-31 HOLL-II 64 |
|---|---|---|---|---|
| DATE | | | 08/22/90 | 08/22/90 |
| TIME | | | 15:20 | 15:25 |
| BARIUM,SED | MG/KG-DRY | 1008 ADICP | 249 | NRQ |
| CADMIUM,SED | MG/KG-DRY | 1028 ADICP | 3.62 | NRQ |
| CHROMIUM,SED | MG/KG-DRY | 1029 ADICP | 49.1 | NRQ |
| SILVER,SED | MG/KG-DRY | 1078 ADICP | 84.9 | NRQ |
| ARSENIC,SED | MG/KG-DRY | 1003 GFAA | 3.40 | 2.15 |
| LEAD,SED | MK/KG-DRY | 1052 GFAA | 73.9 | 6.34 |
| SELENIUM,SED | MG/KG-DRY | 1148 GFAA | 0.606 | <0.351 |
| MERCURY,SED | MG/KG-DRY | 71921 CVAA | 2.02 | 0.603 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# AZA-1 HOLL-II 49 | AZA-2 HOLL-II 50 | AZA-3 HOLL-II 51 | AZA-4 HOLL-II 52 |
|---|---|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 | 08/02/90 | 08/02/90 |
| TIME | | | 14:29 | 14:30 | 14:31 | 14:32 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <42.4 | <35.3 | <36.1 | <423 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <42 | <35 | <36 | <420 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <42 | <35 | <36 | <420 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <42 | <35 | <36 | <420 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <42 | <35 | <36 | <420 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 2400 | 1600 | 2000 | 1900 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <42 | <35 | <36 | <420 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# B-2 HOLL-S 3 | B-4 HOLL-S 7 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-12 HOLL-S 16 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:05 | 09:14 | 09:17 | 09:17 | 09:24 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <115 | <112 | <110 | <110 | <116 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <120 | <110 | <110 | <110 | <120 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <120 | <110 | <110 | <110 | <120 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <120 | <110 | <110 | <110 | <120 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <120 | <110 | <110 | <110 | <120 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <230 | 480 | <220 | <220 | 470 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <230 | <220 | <220 | <220 | <230 |
| BHC,A | UG/KG-DRY | 39076 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| BHC,B | UG/KG-DRY | 34257 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| BHC,D | UG/KG-DRY | 34262 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| ALDRIN | UG/KG-DRY | 39333 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | <11.5 | <11.2 | <11.0 | <11.0 | <11.6 |
| DIELDRIN | UG/KG-DRY | 39383 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| DDE,PP' | UG/KG-DRY | 39321 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| ENDRIN | UG/KG-DRY | 39393 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| DDD,PP' | UG/KG-DRY | 39311 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| DDT,PP' | UG/KG-DRY | 39301 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | <115 | <112 | <110 | <110 | <116 |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | <23.0 | <22.5 | <22.0 | <22.0 | <23.1 |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | <115 | <112 | <110 | <110 | <116 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# B-2 HOLL-S 3 | B-4 HOLL-S 7 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-12 HOLL-S 16 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:05 | 09:14 | 09:17 | 09:17 | 09:24 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | <100 | <100 | <100 | <100 | <100 |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | <100 | <100 | <100 | <100 | <100 |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | <230 | <225 | <220 | <220 | <231 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# B-17 HOLL-S 21 | B-24 HOLL-S 28 | B-33 HOLL-S 37 |
|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:31 | 09:45 | 13:36 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <108 | <2910 | <111 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <110 | <2900 | <110 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <110 | <2900 | <110 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <110 | <2900 | <110 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <110 | <2900 | <110 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <220 | 27000 | <220 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <220 | <5800 | <220 |
| BHC,A | UG/KG-DRY | 39076 DEC | <10.8 | <291 | <11.1 |
| BHC,B | UG/KG-DRY | 34257 DEC | <10.8 | <291 | <11.1 |
| BHC,D | UG/KG-DRY | 34262 DEC | <10.8 | <291 | <11.1 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783 DEC | <10.8 | <291 | <11.1 |
| HEPTACHLOR | UG/KG-DRY | 39413 DEC | <10.8 | <291 | <11.1 |
| ALDRIN | UG/KG-DRY | 39333 DEC | <10.8 | <291 | <11.1 |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423 DEC | <10.8 | <291 | <11.1 |
| ENDOSULFAN,A | UG/KG-DRY | 34364 DEC | <10.8 | <291 | <11.1 |
| DIELDRIN | UG/KG-DRY | 39383 DEC | <21.6 | <582 | <22.1 |
| DDE,PP' | UG/KG-DRY | 39321 DEC | <21.6 | <582 | <22.1 |
| ENDRIN | UG/KG-DRY | 39393 DEC | <21.6 | <582 | <22.1 |
| ENDOSULFAN,B | UG/KG-DRY | 34359 DEC | <21.6 | <582 | <22.1 |
| DDD,PP' | UG/KG-DRY | 39311 DEC | <21.6 | <582 | <22.1 |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354 DEC | <21.6 | <582 | <22.1 |
| DDT,PP' | UG/KG-DRY | 39301 DEC | <21.6 | <582 | <22.1 |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481 DEC | <108 | <2910 | <111 |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591 DEC | <21.6 | <582 | <22.1 |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369 DEC | <108 | <2910 | <111 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# B-17 HOLL-S 21 | B-24 HOLL-S 28 | B-33 HOLL-S 37 |
|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:31 | 09:45 | 13:36 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025 DEC | <100 | <3000 | <100 |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005 DEC | <100 | <3000 | <100 |
| TOXAPHENE | UG/KG-DRY | 39403 DEC | <216 | <5820 | <221 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# B-1 HOLL-S 1 | B-1D HOLL-S 2 | B-3 HOLL-S 5 | B-3D HOLL-S 6 | B-5 HOLL-S 8 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:00 | 09:00 | 09:10 | 09:10 | 09:15 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <54.7 | <54.7 | <304 | <304 | <58.0 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <55 | <55 | <300 | <300 | <58 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <55 | <55 | <300 | <300 | <58 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <55 | <55 | <300 | <300 | <58 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <55 | <55 | <300 | <300 | <58 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 240 | 240 | 390 | 380 | 61 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <110 | <110 | <120 | <120 | <120 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | B-6 HOLL-S 9 | B-8 HOLL-S 12 | B-9 HOLL-S 13 | B-10 HOLL-S 14 | B-11 HOLL-S 15 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:16 | 09:20 | 09:21 | 09:22 | 09:23 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <54.8 | <290 | <59.6 | <582 | <56.7 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <55 | <290 | <60 | <580 | <57 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <55 | <290 | <60 | <580 | <57 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <55 | <290 | <60 | <580 | <57 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <55 | <290 | <60 | <580 | <57 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 44 | 170 | 77 | <120 | 89 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <110 | <120 | <120 | <120 | <110 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | B-13 HOLL-S 17 | B-14 HOLL-S 18 | B-15 HOLL-S 19 | B-16 HOLL-S 20 | B-18 HOLL-S 22 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:26 | 09:28 | 09:27 | 09:29 | 09:33 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <547 | <6180 | <56.3 | <58.6 | <5520 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <550 | <6200 | <56 | <59 | <5500 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <550 | <6200 | <56 | <59 | <5500 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <550 | <6200 | <56 | <59 | <5500 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <550 | <6200 | <56 | <59 | <5500 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 200 | 21000 | 20 | 26 | 7400 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <110 | <250 | <110 | <120 | <11000 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | B-25 HOLL-S 29 | B-26 HOLL-S 30 | B-27 HOLL-S 31 | B-28 HOLL-S 32 | B-29 HOLL-S 33 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/10/90 | 03/10/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:18 | 09:19 | 13:05 | 13:07 | 13:11 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <1770 | <4140 | <530 | <6260 | <2710 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <1800 | <4100 | <530 | <6300 | <2700 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <1800 | <4100 | <530 | <6300 | <2700 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <1800 | <4100 | <530 | <6300 | <2700 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <1800 | <4100 | <530 | <6300 | <2700 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 1300 | 8000 | <110 | 16000 | 5600 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <3500 | <8300 | <110 | <13000 | <5400 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | B-19 HOLL-S 23 | B-20 HOLL-S 24 | B-21 HOLL-S 25 | B-22 HOLL-S 26 | B-23 HOLL-S 27 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <4200 | <2350 | <60.5 | <12500 | <20200 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <4200 | <2300 | <61 | <13000 | <20000 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <4200 | <2300 | <61 | <13000 | <20000 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <4200 | <2300 | <61 | <13000 | <20000 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <4200 | <2300 | <61 | <13000 | <20000 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 2900 | 2800 | 49 | 12000 | 23000 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <8400 | <4700 | <120 | <25000 | <40000 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | B-30 HOLL-S 34 | B-31 HOLL-S 35 | B-32 HOLL-S 36 | B-34 HOLL-S 38 | B-35 HOLL-S 39 |
|---|---|---|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| TIME | | | 13:15 | 13:20 | 13:27 | 13:40 | 13:49 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <4210 | <54.0 | <275 | <1980 | <1950 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <4200 | <54 | <270 | <2000 | <2000 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <4200 | <54 | <270 | <2000 | <2000 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <4200 | <54 | <270 | <2000 | <2000 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <4200 | <54 | <270 | <2000 | <2000 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 7200 | 22 | <550 | 3100 | 1900 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <8400 | <110 | <550 | <4000 | <3900 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | B-36 HOLL-S 40 | B-37 HOLL-S 41 |
|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/10/90 |
| TIME | | | 14:00 | 09:20 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <3390 | <4010 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <3400 | <4000 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <3400 | <4000 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <3400 | <4000 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <3400 | <4000 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 6700 | 7800 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <6800 | <8000 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| ARAMETERS UNITS | STORET METHOD | B-1 HOLL-S 1 | B-2 HOLL-S 3 | B-2D HOLL-S 4 | B-3 HOLL-S 5 | B-3D HOLL-S 6 | B-4 HOLL-S 7 | B-5 HOLL-S 8 | B-6 HOLL-S 9 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-8 HOLL-S 12 | B-9 HOLL-S 13 | B-10 HOLL-S 14 | B-11 HOLL-S 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| IME | | 09:00 | 09:05 | 09:05 | 09:10 | 09:10 | 09:14 | 09:15 | 09:16 | 09:17 | 09:17 | 09:20 | 09:21 | 09:22 | 09:23 |
| HENOL UG/KG-DRY | 34694 SCLPS | <210 | NRQ | NRQ | NRQ | NRQ | <216 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHLOROETHYL)ET ER UG/KG-DRY | 34273 SCLPS | <92 | NRQ | NRQ | NRQ | NRQ | <95 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROPHENOL UG/KG-DRY | 34586 SCLPS | <102 | NRQ | NRQ | NRQ | NRQ | <105 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,3,DICHLOROBENZENE UG/KG-DRY | 34566 SCLPS | <290 | NRQ | NRQ | NRQ | NRQ | <298 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DICHLOROBENZENE UG/KG-DRY | 34571 SCLPS | <321 | NRQ | NRQ | NRQ | NRQ | <330 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZYL ALCOHOL UG/KG-DRY | 77147 SCLPS | <117 | NRQ | NRQ | NRQ | NRQ | <120 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2-DICHLOROBENZENE UG/KG-DRY | 34536 SCLPS | <353 | NRQ | NRQ | NRQ | NRQ | <362 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL PHENOL UG/KG-DRY | 99073 SCLPS | <117 | NRQ | NRQ | NRQ | NRQ | <120 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHL'ISOPROPYL) ETHER UG/KG-DRY | 34283 SCLPS | <153 | NRQ | NRQ | NRQ | NRQ | <157 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL PHENOL UG/KG-DRY | 99074 SCLPS | <355 | NRQ | NRQ | NRQ | NRQ | <365 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROSODI-N-PROPYL MINE UG/KG-DRY | 34428 SCLPS | <110 | NRQ | NRQ | NRQ | NRQ | <113 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROETHANE UG/KG-DRY | 34396 SCLPS | <407 | NRQ | NRQ | NRQ | NRQ | <418 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ITROBENZENE UG/KG-DRY | 34447 SCLPS | <86 | NRQ | NRQ | NRQ | NRQ | <88 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| SOPHORONE UG/KG-DRY | 34408 SCLPS | <83 | NRQ | NRQ | NRQ | NRQ | <85 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROPHENOL UG/KG-DRY | 34591 SCLPS | <66 | NRQ | NRQ | NRQ | NRQ | <68 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DIMETHYLPHENOL UG/KG-DRY | 34606 SCLPS | <313 | NRQ | NRQ | NRQ | NRQ | <322 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZOIC ACID UG/KG-DRY | 77247 SCLPS | <569 | NRQ | NRQ | NRQ | NRQ | <584 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHLOROETHOXY)M THANE UG/KG-DRY | 34278 SCLPS | <108 | NRQ | NRQ | NRQ | NRQ | <111 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DICHLOROPHENOL UG/KG-DRY | 34601 SCLPS | <130 | NRQ | NRQ | NRQ | NRQ | <133 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2,4-TRICH'BENZENE UG/KG-DRY | 34551 SCLPS | <271 | NRQ | NRQ | NRQ | NRQ | <278 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| APHTHALENE UG/KG-DRY | 34696 SCLPS | <270 | NRQ | NRQ | NRQ | NRQ | <278 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROANILINE UG/KG-DRY | 99075 SCLPS | <153 | NRQ | NRQ | NRQ | NRQ | <158 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROBUTADIENE UG/KG-DRY | 34391 SCLPS | <323 | NRQ | NRQ | NRQ | NRQ | <332 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLORO-3-METHYLPHE OL UG/KG-DRY | 34452 SCLPS | <147 | NRQ | NRQ | NRQ | NRQ | <151 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| ARAMETERS UNITS | STORET METHOD | B-1 HOLL-S 1 | B-2 HOLL-S 3 | B-2D HOLL-S 4 | B-3 HOLL-S 5 | B-3D HOLL-S 6 | B-4 HOLL-S 7 | B-5 HOLL-S 8 | B-6 HOLL-S 9 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-8 HOLL-S 12 | B-9 HOLL-S 13 | B-10 HOLL-S 14 | B-11 HOLL-S 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | | | |
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| IME | | 09:00 | 09:05 | 09:05 | 09:10 | 09:10 | 09:14 | 09:15 | 09:16 | 09:17 | 09:17 | 09:20 | 09:21 | 09:22 | 09:23 |
| -METHLYNAPHTHALENE UG/KG-DRY | 77416 SCLPS | <289 | NRQ | NRQ | NRQ | NRQ | <296 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROCYCLOPENTA IENE UG/KG-DRY | 34386 SCLPS | <187 | NRQ | NRQ | NRQ | NRQ | <192 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4,6-TRICHL'PHENOL UG/KG-DRY | 34621 SCLPS | <134 | NRQ | NRQ | NRQ | NRQ | <138 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4,5-TRICHL'PHENOL UG/KG-DRY | 77687 SCLPS | <126 | NRQ | NRQ | NRQ | NRQ | <129 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLORONAPHTHALENE UG/KG-DRY | 34581 SCLPS | <116 | NRQ | NRQ | NRQ | NRQ | <119 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99077 SCLPS | <98 | NRQ | NRQ | NRQ | NRQ | <100 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IMETHYLPTHALATE UG/KG-DRY | 34341 SCLPS | <239 | NRQ | NRQ | NRQ | NRQ | <246 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| CENAPHTHYLENE UG/KG-DRY | 34200 SCLPS | <125 | NRQ | NRQ | NRQ | NRQ | <128 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,6-DINITROTOLUENE UG/KG-DRY | 34626 SCLPS | <151 | NRQ | NRQ | NRQ | NRQ | <155 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99078 SCLPS | <163 | NRQ | NRQ | NRQ | NRQ | <167 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| CENAPHTHENE UG/KG-DRY | 34205 SCLPS | <174 | NRQ | NRQ | NRQ | NRQ | <179 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DINITROPHENOL UG/KG-DRY | 34616 SCLPS | <278 | NRQ | NRQ | NRQ | NRQ | <285 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROPHENOL UG/KG-DRY | 34646 SCLPS | <238 | NRQ | NRQ | NRQ | NRQ | <245 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IBENZOFURAN UG/KG-DRY | 81302 SCLPS | <94 | NRQ | NRQ | NRQ | NRQ | <97 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DINITROTOLUENE UG/KG-DRY | 34611 SCLPS | <103 | NRQ | NRQ | NRQ | NRQ | <106 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IETHYLPHTHALATE UG/KG-DRY | 34336 SCLPS | <216 | NRQ | NRQ | NRQ | NRQ | <221 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROPHENYLPHENYL ETHER UG/KG-DRY | 34641 SCLPS | <110 | NRQ | NRQ | NRQ | NRQ | <113 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| LUORENE UG/KG-DRY | 34381 SCLPS | <141 | NRQ | NRQ | NRQ | NRQ | <144 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99079 SCLPS | <248 | NRQ | NRQ | NRQ | NRQ | <255 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL-4,6-DINITRO HENOL UG/KG-DRY | 34657 SCLPS | <219 | NRQ | NRQ | NRQ | NRQ | <225 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROSODIPHE'AMINE UG/KG-DRY | 34433 SCLPS | <99 | NRQ | NRQ | NRQ | NRQ | <101 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -BROMOPHENYLPHENYL THER UG/KG-DRY | 34636 SCLPS | <90 | NRQ | NRQ | NRQ | NRQ | <93 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROBENZENE UG/KG-DRY | 39700 SCLPS | <125 | NRQ | NRQ | NRQ | NRQ | <128 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENTACHLOROPHENOL UG/KG-DRY | 39032 SCLPS | <201 | NRQ | NRQ | NRQ | NRQ | <206 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
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LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| ARAMETERS UNITS | STORET METHOD | B-1 HOLL-S 1 | B-2 HOLL-S 3 | B-2D HOLL-S 4 | B-3 HOLL-S 5 | B-3D HOLL-S 6 | B-4 HOLL-S 7 | B-5 HOLL-S 8 | B-6 HOLL-S 9 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-8 HOLL-S 12 | B-9 HOLL-S 13 | B-10 HOLL-S 14 | B-11 HOLL-S 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| IME | | 09:00 | 09:05 | 09:05 | 09:10 | 09:10 | 09:14 | 09:15 | 09:16 | 09:17 | 09:17 | 09:20 | 09:21 | 09:22 | 09:23 |
| HENANTHRENE UG/KG-DRY | 34461 SCLPS | <87.7 | NRQ | NRQ | NRQ | NRQ | <90.0 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| NTHRACENE UG/KG-DRY | 34220 SCLPS | <97.7 | NRQ | NRQ | NRQ | NRQ | <100 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| I-N-BUTYLPHTHALATE UG/KG-DRY | 39110 SCLPS | <137 | NRQ | NRQ | NRQ | NRQ | <141 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| LUORANTHENE UG/KG-DRY | 34376 SCLPS | <148 | NRQ | NRQ | NRQ | NRQ | <152 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| YRENE UG/KG-DRY | 34469 SCLPS | <93.2 | NRQ | NRQ | NRQ | NRQ | <95.6 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| UTYLBENZYLPHTHALATE UG/KG-DRY | 34292 SCLPS | <188 | NRQ | NRQ | NRQ | NRQ | <193 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,3'-DICHL'BENZIDINE UG/KG-DRY | 34631 SCLPS | <146 | NRQ | NRQ | NRQ | NRQ | <150 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZO(A)ANTHRACENE UG/KG-DRY | 34526 SCLPS | <80.4 | NRQ | NRQ | NRQ | NRQ | <82.5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| HRYSENE UG/KG-DRY | 34320 SCLPS | <126 | NRQ | NRQ | NRQ | NRQ | <129 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-ETHYLHEXYL)PHT ALATE UG/KG-DRY | 39100 SCLPS | 1120 | NRQ | NRQ | NRQ | NRQ | 571 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| I-N-OCTYLPHTHALATE UG/KG-DRY | 34596 SCLPS | <92 | NRQ | NRQ | NRQ | NRQ | <95 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZO(B)FLUORANTHENE UG/KG-DRY | 34230 SCLPS | <174 | NRQ | NRQ | NRQ | NRQ | <178 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZO(K)FLUORANTHENE UG/KG-DRY | 34242 SCLPS | <216 | NRQ | NRQ | NRQ | NRQ | <222 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZO(A)PYRENE UG/KG-DRY | 34247 SCLPS | <237 | NRQ | NRQ | NRQ | NRQ | <243 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| NDENO(1,2,3-CD)PYRE E UG/KG-DRY | 34403 SCLPS | <124 | NRQ | NRQ | NRQ | NRQ | <128 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IBEN'(A,H)ANTH'CENE UG/KG-DRY | 34556 SCLPS | <82.2 | NRQ | NRQ | NRQ | NRQ | <84.4 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZO(GHI)PERYLENE UG/KG-DRY | 34521 SCLPS | <95.9 | NRQ | NRQ | NRQ | NRQ | <98.5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| HLOROMETHANE UG/KG-DRY | 34418 SCLPS | <7 | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ROMOMETHANE UG/KG-DRY | 34413 SCLPS | <9 | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| NYL CHLORIDE UG/KG-DRY | 39175 SCLPS | <8 | NRQ | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| HLOROETHANE UG/KG-DRY | 34311 SCLPS | <22 | NRQ | NRQ | NRQ | NRQ | <22 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ETHYLENE CHLORIDE UG/KG-DRY | 34423 SCLPS | <30 | NRQ | NRQ | NRQ | NRQ | <30 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ETONE UG/KG-DRY | 97020 SCLPS | <30 | NRQ | NRQ | NRQ | NRQ | <31 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| RBON DISULFIDE UG/KG-DRY | 77041 SCLPS | <10 | NRQ | NRQ | NRQ | NRQ | <10 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| ARAMETERS UNITS | STORET METHOD | B-1 HOLL-S 1 | B-2 HOLL-S 3 | B-2D HOLL-S 4 | B-3 HOLL-S 5 | B-3D HOLL-S 6 | B-4 HOLL-S 7 | B-5 HOLL-S 8 | B-6 HOLL-S 9 | B-7 HOLL-S 10 | B-7D HOLL-S 11 | B-8 HOLL-S 12 | B-9 HOLL-S 13 | B-10 HOLL-S 14 | B-11 HOLL-S 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| IME | | 09:00 | 09:05 | 09:05 | 09:10 | 09:10 | 09:14 | 09:15 | 09:16 | 09:17 | 09:17 | 09:20 | 09:21 | 09:22 | 09:23 |
| ,1-DICHLOROETHANE UG/KG-DRY | 34496 SCLPS | <17 | NRQ | NRQ | NRQ | NRQ | <17 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,1-DICHLOROETHENE UG/KG-DRY | 34501 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2-DICHLOROETHENE ( ) UG/KG-DRY | 34546 SCLPS | <5 | NRQ | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| HLOROFORM UG/KG-DRY | 32106 SCLPS | <3 | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2-DICHLOROETHANE UG/KG-DRY | 34531 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -BUTANONE UG/KG-DRY | 81595 SCLPS | <15 | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,1,1-TRICHL'ETHANE UG/KG-DRY | 34506 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ARBON TETRACHLORIDE UG/KG-DRY | 32102 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ROMODICHLOROMETHANE UG/KG-DRY | 32101 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,1,2,2-TETRACHLORO THANE UG/KG-DRY | 34516 SCLPS | <11 | NRQ | NRQ | NRQ | NRQ | <11 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2-DICHLOROPROPANE UG/KG-DRY | 98790 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| RANS-1,3-DICHLOROPR PENE UG/KG-DRY | 98792 SCLPS | <3 | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| RICHLOROETHENE UG/KG-DRY | 39180 SCLPS | <0.5 | NRQ | NRQ | NRQ | NRQ | <0.5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IBROMOCHLOROMETHANE UG/KG-DRY | 32105 SCLPS | <4 | NRQ | NRQ | NRQ | NRQ | <4 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,1,2-TRICHL'ETHANE UG/KG-DRY | 34511 SCLPS | <5 | NRQ | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZENE UG/KG-DRY | 34030 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS-1,3-DICHLOROPROP NE UG/KG-DRY | 34704 SCLPS | <6 | NRQ | NRQ | NRQ | NRQ | <6 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ROMOFORM UG/KG-DRY | 32104 SCLPS | <7 | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| -ME[illegible]-2-PENTANONE UG/KG-DRY | 98696 SCLPS | <15 | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| ETRACHLOROETHENE UG/KG-DRY | 34475 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| OLUENE UG/KG-DRY | 34010 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| HLOROBENZENE UG/KG-DRY | 34301 SCLPS | <0.7 | NRQ | NRQ | NRQ | NRQ | <0.7 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| THYLBENZENE UG/KG-DRY | 34371 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| YLENES,TOTAL UG/KG-DRY | 81551 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |

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LAB COORDINATOR KEVIN MCHUGH



| ARAMETERS | STORET | B-1 | B-1D | B-2 | B-2D | B-3 | B-3D | B-4 | B-5 | B-6 | B-7 | B-7D | B-8 | B-9 | B-10 | B-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | | | | |
| | | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S |
| UNITS | METHOD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 |
| IME | | 09:00 | 09:00 | 09:05 | 09:05 | 09:10 | 09:10 | 09:14 | 09:15 | 09:16 | 09:17 | 09:17 | 09:20 | 09:21 | 09:22 | 09:23 |
| TYRENE | 99210 | <0.8 | NRQ | NRQ | NRQ | NRQ | NRQ | <0.8 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| INYL ACETATE | 77057 | <9 | NRQ | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| -HEXANONE | 77103 | <15 | NRQ | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| RSENIC,LEACHATE | 61522 | <0.022 | <0.022 | NRQ | NRQ | NRQ | NRQ | <0.022 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| ARIUM,LEACHATE | 1007 | 0.2 | 0.2 | NRQ | NRQ | NRQ | NRQ | 0.2 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | ADICP | | | | | | | | | | | | | | | |
| ADMIUM,LEACHATE | 61528 | <0.003 | <0.003 | NRQ | NRQ | NRQ | NRQ | <0.003 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| HROMIUM,LEACHATE | 61513 | 0.008 | 0.008 | NRQ | NRQ | NRQ | NRQ | 0.011 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| EAD,LEACHATE | 61504 | <0.017 | <0.017 | NRQ | NRQ | NRQ | NRQ | <0.017 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| ELENIUM,LEACHATE | 61519 | <0.024 | <0.024 | NRQ | NRQ | NRQ | NRQ | <0.024 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| ILVER,LEACHATE | 97528 | <0.0070 | <0.0070 | NRQ | NRQ | NRQ | NRQ | <0.0070 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | ADICP | | | | | | | | | | | | | | | |
| ERCURY,LEACHATE | 61501 | <0.0008 | <0.0008 | NRQ | NRQ | NRQ | NRQ | <0.0008 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DCVAA | | | | | | | | | | | | | | | |
| ARIUM,SED | 1008 | NRQ | NRQ | 58.7 | 63.3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 48.1 | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| ADMIUM,SED | 1028 | NRQ | NRQ | <0.806 | <0.794 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <0.835 | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| HROMIUM,SED | 1029 | NRQ | NRQ | 5.53 | 5.50 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 9.18 | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| ILVER,SED | 1078 | NRQ | NRQ | <1.90 | <1.87 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <1.97 | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| RSENIC,SED | 1003 | NRQ | NRQ | 2.35 | 2.96 | 1.33 | 1.79 | NRQ | NRQ | NRQ | NRQ | NRQ | 2.04 | 2.71 | NRQ | NRQ |
| MG/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| EAD,SED | 1052 | NRQ | NRQ | 1.76 | 1.97 | 1.61 | 2.49 | NRQ | NRQ | NRQ | NRQ | NRQ | 2.74 | 2.44 | NRQ | NRQ |
| MK/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| ELENIUM,SED | 1148 | NRQ | NRQ | <0.704 | <0.709 | <0.760 | <0.760 | NRQ | NRQ | NRQ | NRQ | NRQ | <0.727 | <0.745 | NRQ | NRQ |
| MG/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| ERCURY,SED | 71921 | NRQ | NRQ | 0.086 | 0.041 | 0.094 | 0.100 | NRQ | NRQ | NRQ | NRQ | NRQ | 0.083 | 0.040 | NRQ | NRQ |
| MG/KG-DRY | CVAA | | | | | | | | | | | | | | | |
| YANIDE | 721 | NRQ | NRQ | NRQ | NRQ | <0.3 | NRQ | NRQ | NRQ | <0.3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | CLP | | | | | | | | | | | | | | | |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| ARAMETERS UNITS | STORET METHOD | B-12 HOLL-S 16 | B-13 HOLL-S 17 | B-14 HOLL-S 18 | B-15 HOLL-S 19 | B-16 HOLL-S 20 | B-17 HOLL-S 21 | B-18 HOLL-S 22 | B-19 HOLL-S 23 | B-20 HOLL-S 24 | B-21 HOLL-S 25 | B-22 HOLL-S 26 | B-23 HOLL-S 27 | B-24 HOLL-S 28 | B-25 HOLL-S 29 | B-26 HOLL-S 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | | | | |
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| IME | | 09:24 | 09:26 | 09:28 | 09:27 | 09:29 | 09:31 | 09:33 | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 | 09:45 | 09:18 | 09:19 |
| HENOL UG/KG-DRY | 34694 SCLPS | <222 | NRQ | NRQ | NRQ | NRQ | <207 | NRQ | NRQ | NRQ | <232 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHLOROETHYL)ET ER UG/KG-DRY | 34273 SCLPS | <97 | NRQ | NRQ | NRQ | NRQ | <91 | NRQ | NRQ | NRQ | <102 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROPHENOL UG/KG-DRY | 34586 SCLPS | <108 | NRQ | NRQ | NRQ | NRQ | <101 | NRQ | NRQ | NRQ | <113 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,3,DICHLOROBENZENE UG/KG-DRY | 34566 SCLPS | <307 | NRQ | NRQ | NRQ | NRQ | <286 | NRQ | NRQ | NRQ | <321 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DICHLOROBENZENE UG/KG-DRY | 34571 SCLPS | <340 | NRQ | NRQ | NRQ | NRQ | <316 | NRQ | NRQ | NRQ | <355 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZYL ALCOHOL UG/KG-DRY | 77147 SCLPS | <123 | NRQ | NRQ | NRQ | NRQ | <115 | NRQ | NRQ | NRQ | <129 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2-DICHLOROBENZENE UG/KG-DRY | 34536 SCLPS | <372 | NRQ | NRQ | NRQ | NRQ | <347 | NRQ | NRQ | NRQ | <389 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL PHENOL UG/KG-DRY | 99073 SCLPS | <123 | NRQ | NRQ | NRQ | NRQ | <115 | NRQ | NRQ | NRQ | <129 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHL'ISOPROPYL) ETHER UG/KG-DRY | 34283 SCLPS | <161 | NRQ | NRQ | NRQ | NRQ | <150 | NRQ | NRQ | NRQ | <168 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL PHENOL UG/KG-DRY | 99074 SCLPS | <375 | NRQ | NRQ | NRQ | NRQ | <350 | NRQ | NRQ | NRQ | <392 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROSODI-N-PROPYL MINE UG/KG-DRY | 34428 SCLPS | <116 | NRQ | NRQ | NRQ | NRQ | <108 | NRQ | NRQ | NRQ | <121 | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROETHANE UG/KG-DRY | 34396 SCLPS | <430 | NRQ | NRQ | NRQ | NRQ | <401 | NRQ | NRQ | NRQ | <450 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ITROBENZENE UG/KG-DRY | 34447 SCLPS | <91 | NRQ | NRQ | NRQ | NRQ | <84 | NRQ | NRQ | NRQ | <95 | NRQ | NRQ | NRQ | NRQ | NRQ |
| SOPHORONE UG/KG-DRY | 34408 SCLPS | <88 | NRQ | NRQ | NRQ | NRQ | <82 | NRQ | NRQ | NRQ | <92 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROPHENOL UG/KG-DRY | 34591 SCLPS | <69 | NRQ | NRQ | NRQ | NRQ | <65 | NRQ | NRQ | NRQ | <73 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DIMETHYLPHENOL UG/KG-DRY | 34606 SCLPS | <331 | NRQ | NRQ | NRQ | NRQ | <308 | NRQ | NRQ | NRQ | <346 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENZOIC ACID UG/KG-DRY | 77247 SCLPS | <601 | NRQ | NRQ | NRQ | NRQ | <560 | NRQ | NRQ | NRQ | <628 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IS(2-CHLOROETHOXY)M THANE UG/KG-DRY | 34278 SCLPS | <114 | NRQ | NRQ | NRQ | NRQ | <106 | NRQ | NRQ | NRQ | <119 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DICHLOROPHENOL UG/KG-DRY | 34601 SCLPS | <137 | NRQ | NRQ | NRQ | NRQ | <128 | NRQ | NRQ | NRQ | <143 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,2,4-TRICH'BENZENE UG/KG-DRY | 34551 SCLPS | <287 | NRQ | NRQ | NRQ | NRQ | <267 | NRQ | NRQ | NRQ | <300 | NRQ | NRQ | NRQ | NRQ | NRQ |
| APHTHALENE UG/KG-DRY | 34696 SCLPS | <286 | NRQ | NRQ | NRQ | NRQ | <266 | NRQ | NRQ | NRQ | <299 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROANILINE UG/KG-DRY | 99075 SCLPS | <162 | NRQ | NRQ | NRQ | NRQ | <151 | NRQ | NRQ | NRQ | <169 | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROBUTADIENE UG/KG-DRY | 34391 SCLPS | <342 | NRQ | NRQ | NRQ | NRQ | <318 | NRQ | NRQ | NRQ | <357 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLORO-3-METHYLPHE OL UG/KG-DRY | 34452 SCLPS | <155 | NRQ | NRQ | NRQ | NRQ | <145 | NRQ | NRQ | NRQ | <162 | NRQ | NRQ | NRQ | NRQ | NRQ |

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LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| ARAMETERS UNITS | STORET METHOD | B-12 HOLL-S 16 | B-13 HOLL-S 17 | B-14 HOLL-S 18 | B-15 HOLL-S 19 | B-16 HOLL-S 20 | B-17 HOLL-S 21 | B-18 HOLL-S 22 | B-19 HOLL-S 23 | B-20 HOLL-S 24 | B-21 HOLL-S 25 | B-22 HOLL-S 26 | B-23 HOLL-S 27 | B-24 HOLL-S 28 | B-25 HOLL-S 29 | B-26 HOLL-S 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| IME | | 09:24 | 09:26 | 09:28 | 09:27 | 09:29 | 09:31 | 09:33 | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 | 09:45 | 09:18 | 09:19 |
| -METHLYNAPHTHALENE UG/KG-DRY | 77416 SCLPS | <305 | NRQ | NRQ | NRQ | NRQ | <284 | NRQ | NRQ | NRQ | <319 | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROCYCLOPENTA IENE UG/KG-DRY | 34386 SCLPS | <198 | NRQ | NRQ | NRQ | NRQ | <184 | NRQ | NRQ | NRQ | <207 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4,6-TRICHL'PHENOL UG/KG-DRY | 34621 SCLPS | <142 | NRQ | NRQ | NRQ | NRQ | <132 | NRQ | NRQ | NRQ | <148 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4,5-TRICHL'PHENOL UG/KG-DRY | 77687 SCLPS | <133 | NRQ | NRQ | NRQ | NRQ | <124 | NRQ | NRQ | NRQ | <139 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLORONAPHTHALENE UG/KG-DRY | 34581 SCLPS | <123 | NRQ | NRQ | NRQ | NRQ | <114 | NRQ | NRQ | NRQ | <128 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99077 SCLPS | <103 | NRQ | NRQ | NRQ | NRQ | <96 | NRQ | NRQ | NRQ | <108 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IMETHYLPTHALATE UG/KG-DRY | 34341 SCLPS | <253 | NRQ | NRQ | NRQ | NRQ | <235 | NRQ | NRQ | NRQ | <264 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CENAPHTHYLENE UG/KG-DRY | 34200 SCLPS | <132 | NRQ | NRQ | NRQ | NRQ | <123 | NRQ | NRQ | NRQ | <138 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,6-DINITROTOLUENE UG/KG-DRY | 34626 SCLPS | <159 | NRQ | NRQ | NRQ | NRQ | <148 | NRQ | NRQ | NRQ | <166 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99078 SCLPS | <172 | NRQ | NRQ | NRQ | NRQ | <160 | NRQ | NRQ | NRQ | <180 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CENAPHTHENE UG/KG-DRY | 34205 SCLPS | <184 | NRQ | NRQ | NRQ | NRQ | <172 | NRQ | NRQ | NRQ | <193 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DINITROPHENOL UG/KG-DRY | 34616 SCLPS | <293 | NRQ | NRQ | NRQ | NRQ | <273 | NRQ | NRQ | NRQ | <307 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROPHENOL UG/KG-DRY | 34646 SCLPS | <252 | NRQ | NRQ | NRQ | NRQ | <235 | NRQ | NRQ | NRQ | <263 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IBENZOFURAN UG/KG-DRY | 81302 SCLPS | <99 | NRQ | NRQ | NRQ | NRQ | <93 | NRQ | NRQ | NRQ | <104 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,4-DINITROTOLUENE UG/KG-DRY | 34611 SCLPS | <109 | NRQ | NRQ | NRQ | NRQ | <102 | NRQ | NRQ | NRQ | <114 | NRQ | NRQ | NRQ | NRQ | NRQ |
| IETHYLPHTHALATE UG/KG-DRY | 34336 SCLPS | <228 | NRQ | NRQ | NRQ | NRQ | <212 | NRQ | NRQ | NRQ | <238 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -CHLOROPHENYLPHENYL ETHER UG/KG-DRY | 34641 SCLPS | <116 | NRQ | NRQ | NRQ | NRQ | <108 | NRQ | NRQ | NRQ | <121 | NRQ | NRQ | NRQ | NRQ | NRQ |
| LUORENE UG/KG-DRY | 34381 SCLPS | <149 | NRQ | NRQ | NRQ | NRQ | <138 | NRQ | NRQ | NRQ | <155 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROANILINE UG/KG-DRY | 99079 SCLPS | <262 | NRQ | NRQ | NRQ | NRQ | <244 | NRQ | NRQ | NRQ | <274 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -METHYL-4,6-DINITRO HENOL UG/KG-DRY | 34657 SCLPS | <232 | NRQ | NRQ | NRQ | NRQ | <216 | NRQ | NRQ | NRQ | <242 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -NITROSODIPHE'AMINE UG/KG-DRY | 34433 SCLPS | <104 | NRQ | NRQ | NRQ | NRQ | <97 | NRQ | NRQ | NRQ | <109 | NRQ | NRQ | NRQ | NRQ | NRQ |
| -BROMOPHENYLPHENYL THER UG/KG-DRY | 34636 SCLPS | <96 | NRQ | NRQ | NRQ | NRQ | <89 | NRQ | NRQ | NRQ | <100 | NRQ | NRQ | NRQ | NRQ | NRQ |
| EXACHLOROBENZENE UG/KG-DRY | 39700 SCLPS | <132 | NRQ | NRQ | NRQ | NRQ | <123 | NRQ | NRQ | NRQ | <138 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ENTACHLOROPHENOL UG/KG-DRY | 39032 SCLPS | <212 | NRQ | NRQ | NRQ | NRQ | <198 | NRQ | NRQ | NRQ | <222 | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | STORET | B-12 | B-13 | B-14 | B-15 | B-16 | B-17 | B-18 | B-19 | B-20 | B-21 | B-22 | B-23 | B-24 | B-25 | B-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | | | | |
| | | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S |
| UNITS | METHOD | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| TIME | | 09:24 | 09:26 | 09:28 | 09:27 | 09:29 | 09:31 | 09:33 | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 | 09:45 | 09:18 | 09:19 |
| PHENANTHRENE | 34461 | <92.6 | NRQ | NRQ | NRQ | NRQ | <86.3 | NRQ | NRQ | NRQ | <96.8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| ANTHRACENE | 34220 | <103 | NRQ | NRQ | NRQ | NRQ | <96.1 | NRQ | NRQ | NRQ | <108 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| DI-N-BUTYLPHTHALATE | 39110 | <145 | NRQ | NRQ | NRQ | NRQ | <135 | NRQ | NRQ | NRQ | <151 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| FLUORANTHENE | 34376 | <156 | NRQ | NRQ | NRQ | NRQ | <146 | NRQ | NRQ | NRQ | <163 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| PYRENE | 34469 | <98.4 | NRQ | NRQ | NRQ | NRQ | <91.6 | NRQ | NRQ | NRQ | <103 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BUTYLBENZYLPHTHALATE | 34292 | <199 | NRQ | NRQ | NRQ | NRQ | <185 | NRQ | NRQ | NRQ | <208 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| 3,3'-DICHL'BENZIDINE | 34631 | <154 | NRQ | NRQ | NRQ | NRQ | <144 | NRQ | NRQ | NRQ | <161 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BENZO(A)ANTHRACENE | 34526 | <84.9 | NRQ | NRQ | NRQ | NRQ | <79.1 | NRQ | NRQ | NRQ | <88.8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| CHRYSENE | 34320 | <133 | NRQ | NRQ | NRQ | NRQ | <124 | NRQ | NRQ | NRQ | <139 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BIS(2-ETHYLHEXYL)PHT | 39100 | <191 | NRQ | NRQ | NRQ | NRQ | 224 | NRQ | NRQ | NRQ | 450 | NRQ | NRQ | NRQ | NRQ | NRQ |
| HALATE UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| DI-N-OCTYLPHTHALATE | 34596 | <97 | NRQ | NRQ | NRQ | NRQ | <91 | NRQ | NRQ | NRQ | <102 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BENZO(B)FLUORANTHENE | 34230 | <183 | NRQ | NRQ | NRQ | NRQ | <171 | NRQ | NRQ | NRQ | <192 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BENZO(K)FLUORANTHENE | 34242 | <229 | NRQ | NRQ | NRQ | NRQ | <213 | NRQ | NRQ | NRQ | <239 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BENZO(A)PYRENE | 34247 | <250 | NRQ | NRQ | NRQ | NRQ | <233 | NRQ | NRQ | NRQ | <261 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| INDENO(1,2,3-CD)PYRE | 34403 | <131 | NRQ | NRQ | NRQ | NRQ | <122 | NRQ | NRQ | NRQ | <137 | NRQ | NRQ | NRQ | NRQ | NRQ |
| NE UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| DIBEN'(A,H)ANTH'CENE | 34556 | <86.8 | NRQ | NRQ | NRQ | NRQ | <80.9 | NRQ | NRQ | NRQ | <90.8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BENZO(GHI)PERYLENE | 34521 | <101 | NRQ | NRQ | NRQ | NRQ | <94.3 | NRQ | NRQ | NRQ | <106 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| CHLOROMETHANE | 34418 | <8 | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| BROMOMETHANE | 34413 | <10 | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | <10 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| VINYL CHLORIDE | 39175 | <8 | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| CHLOROETHANE | 34311 | <23 | NRQ | NRQ | NRQ | NRQ | <21 | NRQ | NRQ | NRQ | <24 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| METHYLENE CHLORIDE | 34423 | <32 | NRQ | NRQ | NRQ | NRQ | <29 | NRQ | NRQ | NRQ | <34 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| ACETONE | 97020 | <32 | NRQ | NRQ | NRQ | NRQ | 36 | NRQ | NRQ | NRQ | <34 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| CARBON DISULFIDE | 77041 | <10 | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | <11 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| 'ARAMETERS UNITS | STORET METHOD | B-12 HOLL-S 16 | B-13 HOLL-S 17 | B-14 HOLL-S 18 | B-15 HOLL-S 19 | B-16 HOLL-S 20 | B-17 HOLL-S 21 | B-18 HOLL-S 22 | B-19 HOLL-S 23 | B-20 HOLL-S 24 | B-21 HOLL-S 25 | B-22 HOLL-S 26 | B-23 HOLL-S 27 | B-24 HOLL-S 28 | B-25 HOLL-S 29 | B-26 HOLL-S 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 'ATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| 'IME | | 09:24 | 09:26 | 09:28 | 09:27 | 09:29 | 09:31 | 09:33 | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 | 09:45 | 09:18 | 09:19 |
| ,1-DICHLOROETHANE UG/KG-DRY | 34496 SCLPS | <18 | NRQ | NRQ | NRQ | NRQ | <16 | NRQ | NRQ | NRQ | <19 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ,1-DICHLOROETHENE UG/KG-DRY | 34501 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,2-DICHLOROETHENE ( ;) UG/KG-DRY | 34546 SCLPS | <5 | NRQ | NRQ | NRQ | NRQ | <4 | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CHLOROFORM UG/KG-DRY | 32106 SCLPS | <3 | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,2-DICHLOROETHANE UG/KG-DRY | 34531 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 2-BUTANONE UG/KG-DRY | 81595 SCLPS | <15 | NRQ | NRQ | NRQ | NRQ | <14 | NRQ | NRQ | NRQ | <16 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,1,1-TRICHL'ETHANE UG/KG-DRY | 34506 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CARBON TETRACHLORIDE UG/KG-DRY | 32102 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| BROMODICHLOROMETHANE UG/KG-DRY | 32101 SCLPS | <3 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,1,2,2-TETRACHLORO ETHANE UG/KG-DRY | 34516 SCLPS | <12 | NRQ | NRQ | NRQ | NRQ | <11 | NRQ | NRQ | NRQ | <12 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,2-DICHLOROPROPANE UG/KG-DRY | 98790 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| TRANS-1,3-DICHLOROPR OPENE UG/KG-DRY | 98792 SCLPS | <3 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | NRQ | NRQ |
| TRICHLOROETHENE UG/KG-DRY | 39180 SCLPS | <0.6 | NRQ | NRQ | NRQ | NRQ | <0.5 | NRQ | NRQ | NRQ | <0.6 | NRQ | NRQ | NRQ | NRQ | NRQ |
| DIBROMOCHLOROMETHANE UG/KG-DRY | 32105 SCLPS | <5 | NRQ | NRQ | NRQ | NRQ | <4 | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 1,1,2-TRICHL'ETHANE UG/KG-DRY | 34511 SCLPS | <5 | NRQ | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | <6 | NRQ | NRQ | NRQ | NRQ | NRQ |
| BENZENE UG/KG-DRY | 34030 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CIS-1,3-DICHLOROPROP ENE UG/KG-DRY | 34704 SCLPS | <7 | NRQ | NRQ | NRQ | NRQ | <6 | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | NRQ | NRQ |
| BROMOFORM UG/KG-DRY | 32104 SCLPS | <7 | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| 4-ME[illegible]-2-PENTANONE UG/KG-DRY | 98696 SCLPS | <16 | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | <17 | NRQ | NRQ | NRQ | NRQ | NRQ |
| TETRACHLOROETHENE UG/KG-DRY | 34475 SCLPS | <1 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| TOLUENE UG/KG-DRY | 34010 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| CHLOROBENZENE UG/KG-DRY | 34301 SCLPS | <0.8 | NRQ | NRQ | NRQ | NRQ | <0.7 | NRQ | NRQ | NRQ | <0.8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| ETHYLBENZENE UG/KG-DRY | 34371 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |
| XYLENES,TOTAL UG/KG-DRY | 81551 SCLPS | <2 | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
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DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | STORET | B-12 | B-13 | B-14 | B-15 | B-16 | B-17 | B-18 | B-19 | B-20 | B-21 | B-22 | B-23 | B-24 | B-25 | B-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | | | | |
| UNITS | METHOD | HOLL-S 16 | HOLL-S 17 | HOLL-S 18 | HOLL-S 19 | HOLL-S 20 | HOLL-S 21 | HOLL-S 22 | HOLL-S 23 | HOLL-S 24 | HOLL-S 25 | HOLL-S 26 | HOLL-S 27 | HOLL-S 28 | HOLL-S 29 | HOLL-S 30 |
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| TIME | | 09:24 | 09:26 | 09:28 | 09:27 | 09:29 | 09:31 | 09:33 | 09:34 | 09:35 | 09:37 | 09:39 | 09:41 | 09:45 | 09:18 | 09:19 |
| STYRENE | 99210 | <0.8 | NRQ | NRQ | NRQ | NRQ | <0.7 | NRQ | NRQ | NRQ | <0.8 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| VINYL ACETATE | 77057 | <9 | NRQ | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| 2-HEXANONE | 77103 | <16 | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | <17 | NRQ | NRQ | NRQ | NRQ | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | | | | |
| ARSENIC,LEACHATE | 61522 | <0.022 | NRQ | NRQ | NRQ | NRQ | <0.022 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| BARIUM,LEACHATE | 1007 | 0.2 | NRQ | NRQ | NRQ | NRQ | 0.1 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | ADICP | | | | | | | | | | | | | | | |
| CADMIUM,LEACHATE | 61528 | <0.003 | NRQ | NRQ | NRQ | NRQ | <0.003 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| CHROMIUM,LEACHATE | 61513 | 0.011 | NRQ | NRQ | NRQ | NRQ | 0.007 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| LEAD,LEACHATE | 61504 | <0.017 | NRQ | NRQ | NRQ | NRQ | <0.017 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| SELENIUM,LEACHATE | 61519 | <0.024 | NRQ | NRQ | NRQ | NRQ | <0.024 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DICAP | | | | | | | | | | | | | | | |
| SILVER,LEACHATE | 97528 | <0.0070 | NRQ | NRQ | NRQ | NRQ | <0.0070 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | ADICP | | | | | | | | | | | | | | | |
| MERCURY,LEACHATE | 61501 | <0.0008 | NRQ | NRQ | NRQ | NRQ | <0.0008 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/L | DCVAA | | | | | | | | | | | | | | | |
| BARIUM,SED | 1008 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 49.4 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| CADMIUM,SED | 1028 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <0.847 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| CHROMIUM,SED | 1029 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 5.02 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| SILVER,SED | 1078 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2.00 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | ADICP | | | | | | | | | | | | | | | |
| ARSENIC,SED | 1003 | NRQ | NRQ | NRQ | NRQ | 3.45 | NRQ | NRQ | NRQ | NRQ | 2.19 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| LEAD,SED | 1052 | NRQ | NRQ | NRQ | NRQ | 3.47 | NRQ | NRQ | NRQ | NRQ | 1.78 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| SELENIUM,SED | 1148 | NRQ | NRQ | NRQ | NRQ | <0.734 | NRQ | NRQ | NRQ | NRQ | <0.779 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | GFAA | | | | | | | | | | | | | | | |
| MERCURY,SED | 71921 | NRQ | NRQ | NRQ | NRQ | <0.029 | NRQ | NRQ | NRQ | NRQ | 0.065 | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | CVAA | | | | | | | | | | | | | | | |
| CYANIDE | 721 | NRQ | NRQ | NRQ | NRQ | 0.5 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ |
| MG/KG-DRY | CLP | | | | | | | | | | | | | | | |

SAMPLE ID/#

| PARAMETERS | STORET | B-27 | B-28 | B-29 | B-30 | B-31 | B-32 | B-33 | B-34 | B-35 | B-36 | B-37 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S | HOLL-S |
| UNITS | METHOD | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 |
| TIME | | 13:05 | 13:07 | 13:11 | 13:15 | 13:20 | 13:27 | 13:36 | 13:40 | 13:49 | 14:00 | 09:20 |
| PHENOL | 34694 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <212 | NRQ | NRQ | NRQ | <308 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| BIS(2-CHLOROETHYL)ET | 34273 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <93 | NRQ | NRQ | NRQ | <135 |
| HER UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 2-CHLOROPHENOL | 34586 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <103 | NRQ | NRQ | NRQ | <150 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 1,3,DICHLOROBENZENE | 34566 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <294 | NRQ | NRQ | NRQ | <426 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 1,4-DICHLOROBENZENE | 34571 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <325 | NRQ | NRQ | NRQ | <471 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| BENZYL ALCOHOL | 77147 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <118 | NRQ | NRQ | NRQ | <171 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 1,2-DICHLOROBENZENE | 34536 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <356 | NRQ | NRQ | NRQ | <517 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 2-METHYL PHENOL | 99073 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <118 | NRQ | NRQ | NRQ | <171 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| BIS(2-CHL'ISOPROPYL) | 34283 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <154 | NRQ | NRQ | NRQ | <224 |
| ETHER UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 4-METHYL PHENOL | 99074 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <359 | NRQ | NRQ | NRQ | <521 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| N-NITROSODI-N-PROPYL | 34428 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <111 | NRQ | NRQ | NRQ | <161 |
| AMINE UG/KG-DRY | SCLPS | | | | | | | | | | | |
| HEXACHLOROETHANE | 34396 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <412 | NRQ | NRQ | NRQ | <597 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| NITROBENZENE | 34447 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <87 | NRQ | NRQ | NRQ | <126 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ISOPHORONE | 34408 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <84 | NRQ | NRQ | NRQ | <122 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 2-NITROPHENOL | 34591 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <66 | NRQ | NRQ | NRQ | <96 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 2,4-DIMETHYLPHENOL | 34606 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <317 | NRQ | NRQ | NRQ | <459 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| BENZOIC ACID | 77247 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <575 | NRQ | NRQ | NRQ | <834 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| BIS(2-CHLOROETHOXY)M | 34278 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <109 | NRQ | NRQ | NRQ | <158 |
| ETHANE UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 2,4-DICHLOROPHENOL | 34601 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <131 | NRQ | NRQ | NRQ | <190 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 1,2,4-TRICH'BENZENE | 34551 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <274 | NRQ | NRQ | NRQ | <398 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| NAPHTHALENE | 34696 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <273 | NRQ | NRQ | NRQ | <396 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 4-CHLOROANILINE | 99075 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <155 | NRQ | NRQ | NRQ | 588 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| HEXACHLOROBUTADIENE | 34391 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <327 | NRQ | NRQ | NRQ | <474 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| 4-CHLORO-3-METHYLPHE | 34452 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <149 | NRQ | NRQ | NRQ | <216 |
| NOL UG/KG-DRY | SCLPS | | | | | | | | | | | |

| AMETERS | STORET | B-27 | B-28 | B-29 | B-30 | B-31 | B-32 | B-33 | B-34 | B-35 | B-36 | B-37 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | |
| UNITS | METHOD | HOLL-S 31 | HOLL-S 32 | HOLL-S 33 | HOLL-S 34 | HOLL-S 35 | HOLL-S 36 | HOLL-S 37 | HOLL-S 38 | HOLL-S 39 | HOLL-S 40 | HOLL-S 41 |
| E | | 03/09/90 13:05 | 03/09/90 13:07 | 03/09/90 13:11 | 03/09/90 13:15 | 03/09/90 13:20 | 03/09/90 13:27 | 03/09/90 13:36 | 03/09/90 13:40 | 03/09/90 13:49 | 03/09/90 14:00 | 03/10/90 09:20 |
| THLYNAPHTHALENE | 77416 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <292 | NRQ | NRQ | NRQ | <423 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ACHLOROCYCLOPENTA | 34386 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <189 | NRQ | NRQ | NRQ | <274 |
| NE UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ,6-TRICHL'PHENOL | 34621 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <136 | NRQ | NRQ | NRQ | <197 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ,5-TRICHL'PHENOL | 77687 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <127 | NRQ | NRQ | NRQ | <185 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| HLORONAPHTHALENE | 34581 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <117 | NRQ | NRQ | NRQ | <170 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ITROANILINE | 99077 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <99 | NRQ | NRQ | NRQ | <143 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ETHYLPTHALATE | 34341 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <242 | NRQ | NRQ | NRQ | <351 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| NAPHTHYLENE | 34200 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <127 | NRQ | NRQ | NRQ | <183 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| -DINITROTOLUENE | 34626 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <152 | NRQ | NRQ | NRQ | <221 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| TROANILINE | 99078 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <164 | NRQ | NRQ | NRQ | <238 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| NAPHTHENE | 34205 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <176 | NRQ | NRQ | NRQ | <256 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| -DINITROPHENOL | 34616 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <281 | NRQ | NRQ | NRQ | <407 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| TROPHENOL | 34646 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <241 | NRQ | NRQ | NRQ | <349 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| NZOFURAN | 81302 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <95 | NRQ | NRQ | NRQ | <138 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| DINITROTOLUENE | 34611 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <104 | NRQ | NRQ | NRQ | <151 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| HYLPHTHALATE | 34336 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <218 | NRQ | NRQ | NRQ | <316 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| LOROPHENYLPHENYL | 34641 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <111 | NRQ | NRQ | NRQ | <161 |
| ER UG/KG-DRY | SCLPS | | | | | | | | | | | |
| RENE | 34381 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <142 | NRQ | NRQ | NRQ | <206 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| TRO[illegible]INE | 99079 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <251 | NRQ | NRQ | NRQ | <364 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| THYL-4,6-DINITRO | 34657 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <222 | NRQ | NRQ | NRQ | <321 |
| OL UG/KG-DRY | SCLPS | | | | | | | | | | | |
| TROSODIPHE'AMINE | 34433 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <100 | NRQ | NRQ | NRQ | <145 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| OMOPHENYLPHENYL | 34636 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <91 | NRQ | NRQ | NRQ | <133 |
| R UG/KG-DRY | SCLPS | | | | | | | | | | | |
| CHLOROBENZENE | 39700 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <127 | NRQ | NRQ | NRQ | <183 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |
| ACHLOROPHENOL | 39032 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <203 | NRQ | NRQ | NRQ | <295 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | |

| PARAMETERS | STORET | B-27 | B-28 | B-29 | B-30 | B-31 | B-32 | B-33 | B-34 | B-35 | B-36 | B-37 | B-37D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | |
| UNITS | METHOD | HOLL-S 31 | HOLL-S 32 | HOLL-S 33 | HOLL-S 34 | HOLL-S 35 | HOLL-S 36 | HOLL-S 37 | HOLL-S 38 | HOLL-S 39 | HOLL-S 40 | HOLL-S 41 | HOLL-S 42 |
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| TIME | | 13:05 | 13:07 | 13:11 | 13:15 | 13:20 | 13:27 | 13:36 | 13:40 | 13:49 | 14:00 | 09:20 | 09:20 |
| PHENANTHRENE | 34461 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <88.6 | NRQ | NRQ | NRQ | 353 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| ANTHRACENE | 34220 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <98.8 | NRQ | NRQ | NRQ | <143 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| DI-N-BUTYLPHTHALATE | 39110 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <139 | NRQ | NRQ | NRQ | <201 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| FLUORANTHENE | 34376 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <150 | NRQ | NRQ | NRQ | 523 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| PYRENE | 34469 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <94.2 | NRQ | NRQ | NRQ | 518 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BUTYLBENZYLPHTHALATE | 34292 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <190 | NRQ | NRQ | NRQ | <276 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| 3,3'-DICHL'BENZIDINE | 34631 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <148 | NRQ | NRQ | NRQ | <214 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BENZO(A)ANTHRACENE | 34526 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <81.3 | NRQ | NRQ | NRQ | <118 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| CHRYSENE | 34320 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <127 | NRQ | NRQ | NRQ | 677 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BIS(2-ETHYLHEXYL)PHT | 39100 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 269 | NRQ | NRQ | NRQ | 13500 | NRQ |
| HALATE UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| DI-N-OCTYLPHTHALATE | 34596 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <93 | NRQ | NRQ | NRQ | 608 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BENZO(B)FLUORANTHENE | 34230 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <175 | NRQ | NRQ | NRQ | <254 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BENZO(K)FLUORANTHENE | 34242 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <219 | NRQ | NRQ | NRQ | 1200 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BENZO(A)PYRENE | 34247 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <239 | NRQ | NRQ | NRQ | 521 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| INDENO(1,2,3-CD)PYRE | 34403 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <126 | NRQ | NRQ | NRQ | <182 | NRQ |
| NE UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| DIBEN'(A,H)ANTH'CENE | 34556 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <83.1 | NRQ | NRQ | NRQ | <120 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BENZO(GHI)PERYLENE | 34521 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <97.0 | NRQ | NRQ | NRQ | <141 | NRQ |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| CHLOROMETHANE | 34418 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | <11 | <13 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| BROMOMETHANE | 34413 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | <14 | <17 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| VINYL CHLORIDE | 39175 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <8 | NRQ | NRQ | NRQ | <11 | <14 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| CHLOROETHANE | 34311 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <22 | NRQ | NRQ | NRQ | <33 | <40 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| METHYLENE CHLORIDE | 34423 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <31 | NRQ | NRQ | NRQ | <45 | <55 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| ACETONE | 97020 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <31 | NRQ | NRQ | NRQ | 278 | 234 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |
| CARBON DISULFIDE | 77041 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <10 | NRQ | NRQ | NRQ | <15 | <18 |
| UG/KG-DRY | SCLPS | | | | | | | | | | | | |

| PARAMETERS UNITS | STORET METHOD | B-27 HOLL-S 31 | B-28 HOLL-S 32 | B-29 HOLL-S 33 | B-30 HOLL-S 34 | B-31 HOLL-S 35 | B-32 HOLL-S 36 | B-33 HOLL-S 37 | B-34 HOLL-S 38 | B-35 HOLL-S 39 | B-36 HOLL-S 40 | B-37 HOLL-S 41 | B-37D HOLL-S 42 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| TIME | | 13:05 | 13:07 | 13:11 | 13:15 | 13:20 | 13:27 | 13:36 | 13:40 | 13:49 | 14:00 | 09:20 | 09:20 |
| 1,1-DICHLOROETHANE UG/KG-DRY | 34496 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <17 | NRQ | NRQ | NRQ | <25 | <31 |
| 1,1-DICHLOROETHENE UG/KG-DRY | 34501 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | <4 |
| 1,2-DICHLOROETHENE (T) UG/KG-DRY | 34546 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | <7 | <8 |
| CHLOROFORM UG/KG-DRY | 32106 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | <4 | <5 |
| 1,2-DICHLOROETHANE UG/KG-DRY | 34531 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | <3 |
| 2-BUTANONE UG/KG-DRY | 81595 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <15 | NRQ | NRQ | NRQ | <22 | <27 |
| 1,1,1-TRICHL'ETHANE UG/KG-DRY | 34506 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | <2 |
| CARBON TETRACHLORIDE UG/KG-DRY | 32102 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <2 | <3 |
| BROMODICHLOROMETHANE UG/KG-DRY | 32101 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | <4 | <5 |
| 1,1,2,2-TETRACHLOROETHANE UG/KG-DRY | 34516 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <11 | NRQ | NRQ | NRQ | <17 | <20 |
| 1,2-DICHLOROPROPANE UG/KG-DRY | 98790 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | <3 |
| TRANS-1,3-DICHLOROPROPENE UG/KG-DRY | 98792 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <3 | NRQ | NRQ | NRQ | <4 | <5 |
| TRICHLOROETHENE UG/KG-DRY | 39180 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <0.5 | NRQ | NRQ | NRQ | <0.8 | <1.0 |
| DIBROMOCHLOROMETHANE UG/KG-DRY | 32105 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <4 | NRQ | NRQ | NRQ | <7 | <8 |
| 1,1,2-TRICHL'ETHANE UG/KG-DRY | 34511 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <5 | NRQ | NRQ | NRQ | <8 | <9 |
| BENZENE UG/KG-DRY | 34030 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | <2 |
| CIS-1,3-DICHLOROPROPENE UG/KG-DRY | 34704 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <6 | NRQ | NRQ | NRQ | <9 | <11 |
| BROMOFORM UG/KG-DRY | 32104 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <7 | NRQ | NRQ | NRQ | <11 | <13 |
| 4-METHYL-2-PENTANONE UG/KG-DRY | 98696 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <16 | NRQ | NRQ | NRQ | <23 | <28 |
| TETRACHLOROETHENE UG/KG-DRY | 34475 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <1 | NRQ | NRQ | NRQ | <2 | <3 |
| TOLUENE UG/KG-DRY | 34010 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | <3 | 4 |
| CHLOROBENZENE UG/KG-DRY | 34301 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <0.7 | NRQ | NRQ | NRQ | <1 | <1 |
| ETHYLBENZENE UG/KG-DRY | 34371 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | 10 | 7 |
| XYLENES,TOTAL UG/KG-DRY | 81551 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <2 | NRQ | NRQ | NRQ | 13 | 10 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
ALL

DATE 04/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS UNITS | STORET METHOD | B-27 HOLL-S 31 | B-28 HOLL-S 32 | B-29 HOLL-S 33 | B-30 HOLL-S 34 | B-31 HOLL-S 35 | B-32 HOLL-S 36 | B-33 HOLL-S 37 | B-34 HOLL-S 38 | B-35 HOLL-S 39 | B-36 HOLL-S 40 | B-37 HOLL-S 41 | B-37D HOLL-S 42 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SAMPLE ID/# | | | | | | | | | | | |
| DATE | | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/09/90 | 03/10/90 | 03/10/90 |
| TIME | | 13:05 | 13:07 | 13:11 | 13:15 | 13:20 | 13:27 | 13:36 | 13:40 | 13:49 | 14:00 | 09:20 | 09:20 |
| STYRENE UG/KG-DRY | 99210 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <0.8 | NRQ | NRQ | NRQ | <1 | <1 |
| VINYL ACETATE UG/KG-DRY | 77057 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <9 | NRQ | NRQ | NRQ | <10 | <20 |
| 2-HEXANONE UG/KG-DRY | 77103 SCLPS | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | <16 | NRQ | NRQ | NRQ | <23 | <28 |
| ARSENIC,LEACHATE MG/L | 61522 DICAP | NRQ | NRQ | NRQ | NRQ | NRQ | <0.022 | NRQ | NRQ | NRQ | NRQ | <0.022 | <0.022 |
| BARIUM,LEACHATE MG/L | 1007 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ | 0.1 | NRQ | NRQ | NRQ | NRQ | 0.2 | 0.2 |
| CADMIUM,LEACHATE MG/L | 61528 DICAP | NRQ | NRQ | NRQ | NRQ | NRQ | <0.003 | NRQ | NRQ | NRQ | NRQ | <0.003 | <0.003 |
| CHROMIUM,LEACHATE MG/L | 61513 DICAP | NRQ | NRQ | NRQ | NRQ | NRQ | 0.008 | NRQ | NRQ | NRQ | NRQ | 0.011 | 0.010 |
| LEAD,LEACHATE MG/L | 61504 DICAP | NRQ | NRQ | NRQ | NRQ | NRQ | <0.017 | NRQ | NRQ | NRQ | NRQ | <0.017 | <0.017 |
| SELENIUM,LEACHATE MG/L | 61519 DICAP | NRQ | NRQ | NRQ | NRQ | NRQ | <0.024 | NRQ | NRQ | NRQ | NRQ | <0.024 | <0.024 |
| SILVER,LEACHATE MG/L | 97528 ADICP | NRQ | NRQ | NRQ | NRQ | NRQ | <0.0070 | NRQ | NRQ | NRQ | NRQ | <0.0070 | <0.0070 |
| MERCURY,LEACHATE MG/L | 61501 DCVAA | NRQ | NRQ | NRQ | NRQ | NRQ | <0.0008 | NRQ | NRQ | NRQ | NRQ | <0.0008 | <0.0008 |
| BARIUM,SED MG/KG-DRY | 1008 ADICP | NRQ | NRQ | NRQ | NRQ | 77.1 | NRQ | NRQ | NRQ | NRQ | 303 | NRQ | NRQ |
| CADMIUM,SED MG/KG-DRY | 1028 ADICP | NRQ | NRQ | NRQ | NRQ | <0.756 | NRQ | NRQ | NRQ | NRQ | 10.2 | NRQ | NRQ |
| CHROMIUM,SED MG/KG-DRY | 1029 ADICP | NRQ | NRQ | NRQ | NRQ | 11.1 | NRQ | NRQ | NRQ | NRQ | 244 | NRQ | NRQ |
| SILVER,SED MG/KG-DRY | 1078 ADICP | NRQ | NRQ | NRQ | NRQ | <1.78 | NRQ | NRQ | NRQ | NRQ | 428 | NRQ | NRQ |
| ARSENIC,SED MG/KG-DRY | 1003 GFAA | 2.66 | NRQ | NRQ | NRQ | 1.55 | NRQ | NRQ | NRQ | 3.19 | 3.49 | NRQ | NRQ |
| LEAD,SED MK/KG-DRY | 1052 GFAA | 1.61 | NRQ | NRQ | NRQ | 5.20 | NRQ | NRQ | NRQ | 22.3 | 145 | NRQ | NRQ |
| SELENIUM,SED MG/KG-DRY | 1148 GFAA | <0.661 | NRQ | NRQ | NRQ | <0.677 | NRQ | NRQ | NRQ | <0.977 | 2.49 | NRQ | NRQ |
| MERCURY,SED MG/KG-DRY | 71921 CVAA | <0.027 | NRQ | NRQ | NRQ | <0.027 | NRQ | NRQ | NRQ | 1.16 | 3.85 | NRQ | NRQ |
| CYANIDE MG/KG-DRY | 721 CLP | <0.3 | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | NRQ | 1 | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | AZB-1 HOLL-S 43 | AZB-2 HOLL-S 44 | AZB-3 HOLL-S 45 |
|---|---|---|---|---|---|
| DATE | | | 03/10/90 | 03/10/90 | 03/10/90 |
| TIME | | | 09:20 | 09:25 | 09:30 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <300 | <276 | <59.5 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <300 | <280 | <60 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <300 | <280 | <60 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <300 | <280 | <60 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <300 | <280 | <60 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 28 | 110 | 90 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <120 | <110 | <120 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | AZB-4 HOLL-S 46 |
|---|---|---|---|
| DATE | | | 03/10/90 |
| TIME | | | 09:31 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <50.3 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <50 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <50 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <50 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <50 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 10 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <100 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# MCRZ-1 HOLL-II 53 |
|---|---|---|---|
| DATE | | | 08/02/90 |
| TIME | | | 14:04 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <37.5 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <38 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <38 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <38 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <38 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <38 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <38 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# MCRZ-2 HOLL-II 54 |
|---|---|---|---|
| DATE | | | 08/02/90 |
| TIME | | | 14:05 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <40.6 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <41 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <41 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <41 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <41 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <41 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <41 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE I.D./# CAC-1 HOLL-II 57 | CAC-2 HOLL-II 58 |
|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 |
| TIME | | | 14:44 | 14:50 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <42.3 | <39.6 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <42 | <40 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <42 | <40 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <42 | <40 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <42 | <40 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <42 | <40 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <42 | <40 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# CAC-3 HOLL-II 59 | CAC-4 HOLL-II 60 | CAC-5 HOLL-II 61 |
|---|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 | 08/02/90 |
| TIME | | | 14:53 | 15:07 | 15:09 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <36.6 | <36.2 | <39.4 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <37 | <36 | <39 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <37 | <36 | <39 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <37 | <36 | <39 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <37 | <36 | <39 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 420 | <36 | <39 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <37 | <36 | <39 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW

DATE 08/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# SDPZ-1 HOLL-SW 101 | SDPZ-2 HOLL-SW 102 |
|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 |
| TIME | | | 14:59 | 15:02 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 510 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II
ALL

DATE 08/10/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# TZ-1 HOLL-II 55 | TZ-2 HOLL-II 56 |
|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 |
| TIME | | | 15:15 | 15:17 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <34.7 | <34.6 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <35 | <35 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <35 | <35 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <35 | <35 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <35 | <35 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <35 | <35 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <35 | <35 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 02/20/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-205-1 HOLL-WP 1 | DECW-205-2 HOLL-WP 2 |
|---|---|---|---|---|
| DATE | | | 02/05/90 | 02/05/90 |
| TIME | | | 15:26 | 15:28 |
| PCB-1016 | UG/L | 34671 DEC | <0.526 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.526 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.526 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.526 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.526 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.526 | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.526 | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <500 | <500 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <500 | <500 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <500 | <500 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <500 | <500 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <500 | <500 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <25000 | <25000 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 02/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-219-01 HOLL-WP 4 | ECW-219-02 HOLL-WP 5 |
|---|---|---|---|---|
| DATE | | | 02/19/90 | 02/19/90 |
| TIME | | | 14:13 | 14:18 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.500 | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.500 | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <56.2 | <27.0 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <56 | <27 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <56 | <27 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <56 | <27 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <56 | <27 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 1100 | 210 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <56 | <27 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 03/06/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-227-1 HOLL-WP 7 | DECW-227-2 HOLL-WP 8 | DECW-227-3 HOLL-WP 9 | DECW-227-4 HOLL-WP 10 |
|---|---|---|---|---|---|---|
| DATE | | | 02/27/90 | 02/27/90 | 02/27/90 | 02/27/90 |
| TIME | | | 12:00 | 12:00 | 12:00 | 12:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.500 | <0.500 | <0.500 | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <142 | <93.8 | <114 | <125 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <140 | <94 | <110 | <130 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <140 | <94 | <110 | <130 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <140 | <94 | <110 | <130 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <140 | <94 | <110 | <130 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <140 | 460 | 320 | 230 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <140 | <94 | <110 | <130 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# D ECW-310-01 HOLL-WP 12 | ECW-310-02 HOLL-WP 13 |
|---|---|---|---|---|
| DATE | | | 03/10/90 | 03/10/90 |
| TIME | | | 10:05 | 10:07 |
| PCB-1016 | UG/L | 34671 DEC | <2.50 | <2.50 |
| PCB-1221 | UG/L | 39488 DEC | <2.50 | <2.50 |
| PCB-1232 | UG/L | 39492 DEC | <2.50 | <2.50 |
| PCB-1242 | UG/L | 39496 DEC | <2.50 | <2.50 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <842 | <915 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <840 | <910 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <840 | <910 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <840 | <910 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <170 | <91 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 220 | 730 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <170 | <91 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 04/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-410-1 HOLL-RB 1 | DECW-410-2 HOLL-RB 2 |
|---|---|---|---|---|
| DATE | | | 04/10/90 | 04/10/90 |
| TIME | | | 10:00 | 10:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <40.5 | <35.6 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <41 | <36 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <41 | <36 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <41 | <36 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <41 | <36 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 150 | 230 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <81 | <71 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB

DATE 05/29/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-516 HOLL-RB 4 | DECW-516 HOLL-RB 5 |
|---|---|---|---|---|
| DATE | | | 05/17/90 | 05/17/90 |
| TIME | | | | |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <78.3 | <77.3 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <78 | <77 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <78 | <77 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <78 | <77 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <78 | <77 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 730 | 230 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <160 | <150 |

Hunter/ESE, Inc. DATE 06/12/90 STATUS . PAGE 1
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB-PCB WATERS
FIELD GROUP HOLL-RB PROJECT MANAGER DOYCE BLAIR
ALL LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD (DECWS) | SAMPLE ID/# 605-1N HOLL-RB 7 | 605-2S HOLL-RB 8 | 605-3N HOLL-RB 10 | 605-4S HOLL-RB 11 |
|---|---|---|---|---|---|---|
| DATE | | | 06/05/90 | 06/05/90 | 06/05/90 | 06/05/90 |
| TIME | | | | | | |
| PCB-1016 | UG/L | 34671 DEC | <2.50 | <2.50 | <2.50 | <2.50 |
| PCB-1221 | UG/L | 39488 DEC | <2.50 | <2.50 | <2.50 | <2.50 |
| PCB-1232 | UG/L | 39492 DEC | <2.50 | <2.50 | <2.50 | <2.50 |
| PCB-1242 | UG/L | 39496 DEC | <2.50 | <2.50 | <2.50 | <2.50 |
| PCB 1248 | UG/L | 39500 DEC | <2.50 | <2.50 | <2.50 | <2.50 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <45.7 | <65.5 | <65.7 | <52.8 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <46 | <66 | <66 | <53 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <46 | <66 | <66 | <53 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <46 | <66 | <66 | <53 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <46 | <66 | <66 | <53 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 380 | 330 | <130 | 160 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <91 | <130 | <130 | <110 |

1007

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 06/28/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-620-1 HOLL-RB 13 | DECW-620-2 HOLL-RB 14 |
|---|---|---|---|---|
| DATE | | | 06/20/90 | 06/20/90 |
| TIME | | | 15:14 | 15:13 |
| PCB-1016 | UG/L | 34671 DEC | <2.50 | <2.50 |
| PCB-1221 | UG/L | 39488 DEC | <2.50 | <2.50 |
| PCB-1232 | UG/L | 39492 DEC | <2.50 | <2.50 |
| PCB-1242 | UG/L | 39496 DEC | <2.50 | <2.50 |
| PCB 1248 | UG/L | 39500 DEC | <2.50 | <2.50 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <378 | <941 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <380 | <940 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <380 | <940 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <380 | <940 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <380 | <940 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 1300 | 540 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <76 | <190 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-75-1 HOLL-RB 22 | DECW-75-2 HOLL-RB 23 |
|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 |
| TIME | | | 10:52 | 10:55 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <261 | <228 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <260 | <230 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <260 | <230 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <260 | <230 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <260 | <230 |
| PCB-1254 | UG/KG-WET | 39507 DEC | 430 | 310 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <100 | <91 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# DECW-710-3 HOLL-RB 28 | DECW-710-4 HOLL-RB 29 |
|---|---|---|---|---|
| DATE | | | 07/10/90 | 07/10/90 |
| TIME | | | 14:00 | 14:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# PHWT-01 HOLL-RB 17 | PHWT-02 HOLL-RB 18 | PHWT-04 HOLL-RB 20 |
|---|---|---|---|---|---|
| DATE | | | 06/29/90 | 06/29/90 | 06/29/90 |
| TIME | | | 14:00 | 14:00 | 15:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 | <1.00 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | NRQ | NRQ | NRQ |
| PCB-1221 | UG/KG-DRY | 39491 DEC | NRQ | NRQ | NRQ |
| PCB-1232 | UG/KG-DRY | 39495 DEN | NRQ | NRQ | NRQ |
| PCB-1242 | UG/KG-DRY | 39499 DEC | NRQ | NRQ | NRQ |
| PCB-1248 | UG/KG-DRY | 39503 DEC | NRQ | NRQ | NRQ |
| PCB-1254 | UG/KG-DRY | 39507 DEC | NRQ | NRQ | NRQ |
| PCB-1260 | UG/KG-DRY | 39511 DEC | NRQ | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# PWHT-710-1 HOLL-RB 26 | PWHT-710-2 HOLL-RB 27 |
|---|---|---|---|---|
| DATE | | | 07/10/90 | 07/10/90 |
| TIME | | | 15:00 | 15:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ | <31.7 |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ | <32 |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ | <32 |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ | <32 |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ | <32 |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ | <63 |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ | <63 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/20/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# RWHT-717-01 HOLL-RB 34 | PWHT-717-02 HOLL-RB 35 |
|---|---|---|---|---|
| DATE | | | 07/17/90 | 07/17/90 |
| TIME | | | 07:30 | 07:23 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <67.7 | <80.0 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <68 | <80 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <68 | <80 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <68 | <80 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <68 | <80 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <140 | <160 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <140 | <160 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/06/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# TW W-124-03-1 HOLL-SW 1 |
|---|---|---|---|
| DATE | | | 01/24/90 |
| TIME | | | 14:30 |
| PCB 1016 | NG/WIPE | 39514 DEC | <100 |
| PCB-1221 | NG/WIPE | 39491 DEC | <100 |
| PCB-1232 | NG/WIPE | 39495 DEN | <100 |
| PCB-1242 | NG/WIPE | 39499 DEC | <100 |
| PCB-1248 | NG/WIPE | 39503 DEC | <100 |
| PCB-1254 | NG/WIPE | 39507 DEC | <100 |
| PCB-1260 | NG/WIPE | 39511 DEC | <100 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD.GROUP HOLL-SW
ALL

DATE 02/06/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# TW-129-017-1 HOLL-SW 2 |
|---|---|---|---|
| DATE | | | 01/29/90 |
| TIME | | | 15:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# -201-01-01 HOLL-SW 3 | -201-01-02 HOLL-SW 4 | -201-01-03 HOLL-SW 5 | -201-01-04 HOLL-SW 6 | -201-01-05 HOLL-SW 7 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/01/90 | 02/01/90 | 02/01/90 | 02/01/90 | 02/01/90 |
| TIME | | | 10:09 | 10:10 | 10:12 | 10:13 | 10:14 |
| PCB 1016 | NG/FILTER | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/FILTER | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/FILTER | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/FILTER | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/FILTER | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/FILTER | 39507 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/FILTER | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# -201-01-06 HOLL-SW 8 | -201-03-01 HOLL-SW 9 | -201-03-02 HOLL-SW 10 | -201-03-03 HOLL-SW 11 | -201-03-04 HOLL-SW 12 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/01/90 | 02/01/90 | 02/01/90 | 02/01/90 | 02/01/90 |
| TIME | | | 10:16 | 14:08 | 14:09 | 14:10 | 14:11 |
| PCB 1016 | NG/FILTER | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/FILTER | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/FILTER | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/FILTER | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/FILTER | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/FILTER | 39507 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/FILTER | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 202-017-01 HOLL-SW 13 | 202-017-02 HOLL-SW 14 | 202-017-03 HOLL-SW 15 | 202-017-04 HOLL-SW 16 | 202-017-05 HOLL-SW 17 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/02/90 | 02/02/90 | 02/02/90 | 02/02/90 | 02/02/90 |
| TIME | | | 11:20 | 11:21 | 11:22 | 11:24 | 11:25 |
| PCB 1016 | | 39514 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |
| PCB-1221 | | 39491 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |
| PCB-1232 | | 39495 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEN | | | | | |
| PCB-1242 | | 39499 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |
| PCB-1248 | | 39503 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |
| PCB-1254 | | 39507 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |
| PCB-1260 | | 39511 | <500 | <500 | <500 | <500 | <500 |
| | NG/FILTER | DEC | | | | | |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 202-017-06 HOLL-SW 18 | 202-07-01 HOLL-SW 19 | 202-07-02 HOLL-SW 20 | 202-07-03 HOLL-SW 21 | 202-07-04 HOLL-SW 22 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/02/90 | 02/02/90 | 02/02/90 | 02/02/90 | 02/02/90 |
| TIME | | | 11:49 | 14:40 | 14:41 | 14:42 | 14:43 |
| PCB 1016 | NG/FILTER | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/FILTER | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/FILTER | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/FILTER | 39499 DEC | 1600 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/FILTER | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/FILTER | 39507 DEC | 680 | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/FILTER | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH
SAMPLE ID/#

TW

| PARAMETERS | UNITS | STORET METHOD | 202-07-05 HOLL-SW 23 |
|---|---|---|---|
| DATE | | | 02/02/90 |
| TIME | | | 15:29 |
| PCB 1016 | | 39514 | <500 |
| | NG/FILTER | DEC | |
| PCB-1221 | | 39491 | <500 |
| | NG/FILTER | DEC | |
| PCB-1232 | | 39495 | <500 |
| | NG/FILTER | DEN | |
| PCB-1242 | | 39499 | 880 |
| | NG/FILTER | DEC | |
| PCB-1248 | | 39503 | <500 |
| | NG/FILTER | DEC | |
| PCB-1254 | | 39507 | <500 |
| | NG/FILTER | DEC | |
| PCB-1260 | | 39511 | 3100 |
| | NG/FILTER | DEC | |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/14/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 206-L03-01 HOLL-SW 24 | 206-L03-02 HOLL-SW 25 | 206-L03-03 HOLL-SW 26 | 206-L03-04 HOLL-SW 27 | 206-L03-05 HOLL-SW 28 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/06/90 | 02/06/90 | 02/06/90 | 02/06/90 | 02/06/90 |
| TIME | | | 08:17 | 08:18 | 08:19 | 08:20 | 08:42 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/14/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# TW 206-012-01 HOLL-SW 29 | 206-012-02 HOLL-SW 30 | 205-03-01 HOLL-SW 31 | 205-01-01 HOLL-SW 32 |
|---|---|---|---|---|---|---|
| DATE | | | 02/06/90 | 02/06/90 | 02/05/90 | 02/05/90 |
| TIME | | | 15:42 | 15:41 | 09:08 | 09:58 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/20/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# -207-07-01 HOLL-SW 33 | -207-03-01 HOLL-SW 34 |
|---|---|---|---|---|
| DATE | | | 02/07/90 | 02/07/90 |
| TIME | | | 09:35 | 11:56 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | 510 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | 1500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

TW

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 219-L03-01-219-01-01-220-06-01-220-06-02-220-06-03 HOLL-SW 35 | HOLL-SW 36 | HOLL-SW 37 | HOLL-SW 38 | HOLL-SW 39 |
|---|---|---|---|---|---|---|---|
| DATE | | | 02/19/90 | 02/19/90 | 02/20/90 | 02/20/90 | 02/20/90 |
| TIME | | | 09:14 | 09:49 | 12:26 | 12:27 | 12:28 |
| PCB 1016 | UG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | UG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | UG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | UG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | UG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | UG/WIPE | 39507 DEC | <500 | <500 | 710 | <500 | <500 |
| PCB-1260 | UG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 02/28/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-222-01 HOLL-SW 40 | EW-222-02 HOLL-SW 41 |
|---|---|---|---|---|
| DATE | | | 02/22/90 | 02/22/90 |
| TIME | | | 11:41 | 11:42 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 2200 | 2400 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 03/06/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-228-1 HOLL-SW 42 | EW-228-2 HOLL-SW 43 |
|---|---|---|---|---|
| DATE | | | 03/01/90 | 03/01/90 |
| TIME | | | 16:00 | 16:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-710-1 HOLL-RB 31 | EW-710-2 HOLL-RB 32 | EW-710-3 HOLL-RB 33 |
|---|---|---|---|---|---|
| DATE | | | 07/10/90 | 07/10/90 | 07/10/90 |
| TIME | | | | | 13:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 1100 | 1100 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-717-01 HOLL-SW 44 | EW-717-02 HOLL-SW 45 | EW-717-03 HOLL-SW 46 | EW-717-04 HOLL-SW 47 | EW-717-05 HOLL-SW 48 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/17/90 | 07/17/90 | 07/17/90 | 07/17/90 | 07/17/90 |
| TIME | | | 14:58 | 14:59 | 15:01 | 15:20 | 15:21 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <2500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <2500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <2500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <2500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <2500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | 5400 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-717-06 HOLL-SW 49 | EW-718-01 HOLL-SW 50 | EW-718-02 HOLL-SW 51 | EW-718-03 HOLL-SW 52 | EW-718-04 HOLL-SW 53 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/17/90 | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 |
| TIME | | | 15:22 | 08:23 | 08:23 | 08:24 | 08:24 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 730 | 910 | 510 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-718-05 HOLL-SW 54 | EW-718-06 HOLL-SW 55 | EW-718-07 HOLL-SW 56 | EW-718-08 HOLL-SW 57 | EW-718-09 HOLL-SW 58 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 |
| TIME | | | 08:24 | 08:25 | 08:25 | 08:25 | 08:26 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | 580 | 560 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-718-10 HOLL-SW 59 | EW-718-11 HOLL-SW 60 | EW-718-12 HOLL-SW 61 | EW-718-13 HOLL-SW 62 | EW-718-14 HOLL-SW 63 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 |
| TIME | | | 08:26 | 08:27 | 08:27 | 08:28 | 08:28 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | 840 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-718-15 HOLL-SW 64 | EW-718-16 HOLL-SW 65 | EW-718-17 HOLL-SW 66 | EW-718-18 HOLL-SW 67 | EW-719-01 HOLL-SW 68 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/18/90 | 07/18/90 | 07/18/90 | 07/18/90 | 07/19/90 |
| TIME | | | 08:28 | 09:33 | 09:34 | 09:35 | |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | 3700 | <500 | 1600 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-719-02 HOLL-SW 69 | EW-719-03 HOLL-SW 70 | EW-719-04 HOLL-SW 71 | EW-719-05 HOLL-SW 72 | EW-720-01 HOLL-SW 73 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/19/90 | 07/19/90 | 07/19/90 | 07/19/90 | 07/20/90 |
| TIME | | | | | | | |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 970 | 2900 | 670 | 1300 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-720-02 HOLL-SW 74 | EW-720-03 HOLL-SW 75 | EW-720-04 HOLL-SW 76 |
|---|---|---|---|---|---|
| DATE | | | 07/20/90 | 07/20/90 | 07/20/90 |
| TIME | | | | | |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 1500 | 560 | 650 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 08/07/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-725-01 HOLL-SW 77 | EW-725-02 HOLL-SW 78 | EW-725-03 HOLL-SW 79 | EW-725-04 HOLL-SW 80 | EW-725-05 HOLL-SW 81 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 |
| TIME | | | 08:00 | 08:00 | 08:00 | 08:00 | 08:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | 1900 | <500 | 1700 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 08/07/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-725-06 HOLL-SW 82 | EW-725-07 HOLL-SW 83 | EW-725-08 HOLL-SW 84 | EW-725-09 HOLL-SW 85 | EW-725-10 HOLL-SW 86 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 |
| TIME | | | 08:00 | 08:50 | 08:50 | 08:50 | 08:50 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | 2500 | 1200 | 3300 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 08/07/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-725-11 HOLL-SW 87 | EW-725-12 HOLL-SW 88 | EW-725-13 HOLL-SW 89 | EW-725-14 HOLL-SW 90 | EW-725-15 HOLL-SW 91 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 |
| TIME | | | 09:50 | 09:50 | 09:50 | 09:50 | 10:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 700 | 3200 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 08/07/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-725-16 HOLL-SW 92 | EW-725-17 HOLL-SW 93 | EW-725-18 HOLL-SW 94 | EW-725-19 HOLL-SW 95 | EW-725-20 HOLL-SW 96 |
|---|---|---|---|---|---|---|---|
| DATE | | | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 |
| TIME | | | 10:00 | 10:00 | 10:00 | 10:00 | 10:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 810 | 740 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW
ALL

DATE 08/07/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-725-21 HOLL-SW 97 | EW-725-22 HOLL-SW 98 | EW-725-23 HOLL-SW 99 | EW-725-24 HOLL-SW 100 |
|---|---|---|---|---|---|---|
| DATE | | | 07/25/90 | 07/25/90 | 07/25/90 | 07/25/90 |
| TIME | | | 10:00 | 10:00 | 10:00 | 10:00 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | <500 | <500 | <500 | 1700 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER
FIELD GROUP HOLL-SW

DATE 08/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-WIPES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EW-802-1 HOLL-SW 103 | EW-802-2 HOLL-SW 104 | EW-802-3 HOLL-SW 105 |
|---|---|---|---|---|---|
| DATE | | | 08/02/90 | 08/02/90 | 08/02/90 |
| TIME | | | 14:30 | 14:31 | 14:32 |
| PCB 1016 | NG/WIPE | 39514 DEC | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | 39491 DEC | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | 39495 DEN | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | 39499 DEC | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | 39503 DEC | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 39507 DEC | 5300 | 7300 | 7300 |
| PCB-1260 | NG/WIPE | 39511 DEC | <500 | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 02/20/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-205-01 HOLL-WP 3 |
|---|---|---|---|
| DATE | | | 02/05/90 |
| TIME | | | 14:50 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <500 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <500 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <500 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <500 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <500 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <500 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 02/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-219-01 HOLL-WP 6 |
|---|---|---|---|
| DATE | | | 02/19/90 |
| TIME | | | 14:08 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <132 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <130 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <130 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <130 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <130 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <130 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <130 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-WP
ALL

DATE 03/06/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | EB-227-01 HOLL-WP 11 |
|---|---|---|---|
| DATE | | | 02/27/90 |
| TIME | | | 12:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <0.500 |
| PCB-1260 | UG/L | 39508 DEC | <0.500 |
| PCB 1016 | UG/KG-WET | 39514 DEC | <140 |
| PCB-1221 | UG/KG-WET | 39491 DEC | <140 |
| PCB-1232 | UG/KG-WET | 39495 DEN | <140 |
| PCB-1242 | UG/KG-WET | 39499 DEC | <140 |
| PCB-1248 | UG/KG-WET | 39503 DEC | <140 |
| PCB-1254 | UG/KG-WET | 39507 DEC | <140 |
| PCB-1260 | UG/KG-WET | 39511 DEC | <140 |

Hunter/ESE, Inc. DATE 03/22/90 STATUS : 
PROJECT NUMBER 6902012V-0126 PROJECT NAME HOLLOMAN AFB-PCB WATERS
FIELD GROUP HOLL-WP PROJECT MANAGER DOYCE BLAIR
ALL LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-309-01 HOLL-WP 14 | EB-310-01 HOLL-WP 15 |
|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/10/90 |
| TIME | | | 08:44 | 10:02 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | | |
| PCB-1221 | UG/KG-WET | 39491 DEC | | |
| PCB-1232 | UG/KG-WET | 39495 DEN | | |
| PCB-1242 | UG/KG-WET | 39499 DEC | | |
| PCB-1248 | UG/KG-WET | 39503 DEC | | |
| PCB-1254 | UG/KG-WET | 39507 DEC | | |
| PCB-1260 | UG/KG-WET | 39511 DEC | | |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 04/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-410-3 HOLL-RB 3 |
|---|---|---|---|
| DATE | | | 04/10/90 |
| TIME | | | 10:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | |
| PCB-1221 | UG/KG-WET | 39491 DEC | |
| PCB-1232 | UG/KG-WET | 39495 DEN | |
| PCB-1242 | UG/KG-WET | 39499 DEC | |
| PCB-1248 | UG/KG-WET | 39503 DEC | |
| PCB-1254 | UG/KG-WET | 39507 DEC | |
| PCB-1260 | UG/KG-WET | 39511 DEC | |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB

DATE 05/29/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH
SAMPLE ID/# EB

W-516-1

| PARAMETERS | UNITS | STORET METHOD | HOLL-RB 6 |
|---|---|---|---|
| DATE | | | 05/17/90 |
| TIME | | | |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | |
| PCB-1221 | UG/KG-WET | 39491 DEC | |
| PCB-1232 | UG/KG-WET | 39495 DEN | |
| PCB-1242 | UG/KG-WET | 39499 DEC | |
| PCB-1248 | UG/KG-WET | 39503 DEC | |
| PCB-1254 | UG/KG-WET | 39507 DEC | |
| PCB-1260 | UG/KG-WET | 39511 DEC | |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 06/12/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 605-1 HOLL-RB 9 |
|---|---|---|---|
| DATE | | | 06/05/90 |
| TIME | | | |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 06/12/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# 605-5 HOLL-RB 12 |
|---|---|---|---|
| DATE | | | 06/05/90 |
| TIME | | | |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 06/28/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATEI
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-620-1 HOLL-RB 15 | EB-620-2 HOLL-RB 16 |
|---|---|---|---|---|
| DATE | | | 06/20/90 | 06/20/90 |
| TIME | | | 09:01 | 15:31 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



| PARAMETERS | UNITS | STORET METHOD | EB-03 HOLL-RB 19 |
|---|---|---|---|
| DATE | | | 06/29/90 |
| TIME | | | 14:00 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | NRQ |
| PCB-1221 | UG/KG-DRY | 39491 DEC | NRQ |
| PCB-1232 | UG/KG-DRY | 39495 DEC | NRQ |
| PCB-1242 | UG/KG-DRY | 39499 DEN | NRQ |
| PCB-1248 | UG/KG-DRY | 39503 DEC | NRQ |
| PCB-1254 | UG/KG-DRY | 39507 DEC | NRQ |
| PCB-1260 | UG/KG-DRY | 39511 DEC | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/16/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-75-1 HOLL-RB 24 | EB-75-2 HOLL-RB 25 |
|---|---|---|---|---|
| DATE | | | 07/05/90 | 07/05/90 |
| TIME | | | 10:39 | 10:40 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/18/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-710-0 HOLL-RB 30 |
|---|---|---|---|
| DATE | | | 07/10/90 |
| TIME | | | |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/20/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| PARAMETERS | UNITS | STORET METHOD | EB-717-01 HOLL-RB 36 |
|---|---|---|---|
| DATE | | | 07/17/90 |
| TIME | | | 07:12 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |
| PCB 1016 | UG/KG-WET | 39514 DEC | NRQ |
| PCB-1221 | UG/KG-WET | 39491 DEC | NRQ |
| PCB-1232 | UG/KG-WET | 39495 DEN | NRQ |
| PCB-1242 | UG/KG-WET | 39499 DEC | NRQ |
| PCB-1248 | UG/KG-WET | 39503 DEC | NRQ |
| PCB-1254 | UG/KG-WET | 39507 DEC | NRQ |
| PCB-1260 | UG/KG-WET | 39511 DEC | NRQ |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/30/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-719-01 HOLL-RB 37 |
|---|---|---|---|
| DATE | | | 07/19/90 |
| TIME | | | 09:54 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 08/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# EB-802-1 HOLL-RB 38 |
|---|---|---|---|
| DATE | | | 08/02/90 |
| TIME | | | 10:40 |
| PCB-1016 | UG/L | 34671 DEC | <0.500 |
| PCB-1221 | UG/L | 39488 DEC | <0.500 |
| PCB-1232 | UG/L | 39492 DEC | <0.500 |
| PCB-1242 | UG/L | 39496 DEC | <0.500 |
| PCB 1248 | UG/L | 39500 DEC | <0.500 |
| PCB-1254 | UG/L | 39504 DEC | <1.00 |
| PCB-1260 | UG/L | 39508 DEC | <1.00 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-S
HOL-1

DATE 03/22/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# FB-309-1 HOLL-S 47 | FB-309-2 HOLL-S 48 |
|---|---|---|---|---|
| DATE | | | 03/09/90 | 03/09/90 |
| TIME | | | 08:46 | 08:46 |
| PCB 1016 | NG/BOTTLE | 39514 DEC | <500 | <500 |
| PCB-1221 | NG/BOTTLE | 39491 DEC | <500 | <500 |
| PCB-1232 | NG/BOTTLE | 39495 DEN | <500 | <500 |
| PCB-1242 | NG/BOTTLE | 39499 DEC | <500 | <500 |
| PCB-1248 | NG/BOTTLE | 39503 DEC | <500 | <500 |
| PCB-1254 | NG/BOTTLE | 39507 DEC | <500 | <500 |
| PCB-1260 | NG/BOTTLE | 39511 DEC | <500 | <500 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-II

DATE 06/26/90 STATUS :
PROJECT NAME HOLLOMAN AFB SOILS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# FB-616-1 HOLL-II 18 |
|---|---|---|---|
| DATE | | | 06/16/90 |
| TIME | | | 14:38 |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <160 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <160 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <160 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <160 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <160 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | <130 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <320 |

Hunter/ESE, Inc.
PROJECT NUMBER 6902012V-0126
FIELD GROUP HOLL-RB
ALL

DATE 07/09/90 STATUS :
PROJECT NAME HOLLOMAN AFB-PCB WATERS
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | STORET METHOD | SAMPLE ID/# CAKE-1 HOLL-RB 21 |
|---|---|---|---|
| DATE | | | 06/29/90 |
| TIME | | | 15:00 |
| PCB-1016 | UG/L | 34671 DEC | NRQ |
| PCB-1221 | UG/L | 39488 DEC | NRQ |
| PCB-1232 | UG/L | 39492 DEC | NRQ |
| PCB-1242 | UG/L | 39496 DEC | NRQ |
| PCB 1248 | UG/L | 39500 DEC | NRQ |
| PCB-1254 | UG/L | 39504 DEC | NRQ |
| PCB-1260 | UG/L | 39508 DEC | NRQ |
| PCB 1016 | UG/KG-DRY | 39514 DEC | <877 |
| PCB-1221 | UG/KG-DRY | 39491 DEC | <880 |
| PCB-1232 | UG/KG-DRY | 39495 DEN | <880 |
| PCB-1242 | UG/KG-DRY | 39499 DEC | <880 |
| PCB-1248 | UG/KG-DRY | 39503 DEC | <880 |
| PCB-1254 | UG/KG-DRY | 39507 DEC | 7200 |
| PCB-1260 | UG/KG-DRY | 39511 DEC | <440 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| PCB-1016 | UG/L | 34671*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1016 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1016 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1016 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1016 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1016 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB-1016 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1016 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1016 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1016 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB-1221 | UG/L | 39488*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1221 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1221 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1221 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1221 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1221 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB-1221 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1221 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1221 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1221 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB-1232 | UG/L | 39492*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1232 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1232 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1232 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1232 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1232 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB-1232 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1232 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1232 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1232 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB-1242 | UG/L | 39496*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1242 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1242 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1242 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1242 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1242 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB-1242 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1242 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1242 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1242 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB 1248 | UG/L | 39500*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB 1248 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB 1248 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB 1248 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB 1248 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB 1248 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB 1248 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB 1248 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB 1248 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB 1248 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB-1254 | UG/L | 39504*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1254 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1254 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1254 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1254 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1254 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| PCB-1254 | UG/L | 39504*DEC | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1254 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1254 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1254 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB-1260 | UG/L | 39508*DEC | D1863 | MB*D1863*1 | 04/12/90 | 0.0 |
| PCB-1260 | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.0 |
| PCB-1260 | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.0 |
| PCB-1260 | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.0 |
| PCB-1260 | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.0 |
| PCB-1260 | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.0 |
| PCB-1260 | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.0 |
| PCB-1260 | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.0 |
| PCB-1260 | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.0 |
| PCB-1260 | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.0 |
| PCB 1016 | UG/KG-WET | 39514*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB 1016 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB 1016 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1221 | UG/KG-WET | 39491*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1221 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1221 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1232 | UG/KG-WET | 39495*DEN | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1232 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1232 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1242 | UG/KG-WET | 39499*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1242 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1242 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1248 | UG/KG-WET | 39503*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| PCB-1248 | UG/KG-WET | 39503*DEC | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1248 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1248 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1254 | UG/KG-WET | 39507*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1254 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1254 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |
| PCB-1260 | UG/KG-WET | 39511*DEC | D1862 | MB*1862*1 | 04/12/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 0.0 |
| PCB-1260 | UG/KG-WET | | D2209 | MB*D2209*1 | | 0.0 |
| PCB-1260 | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 0.0 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| PCB 1016 | UG/KG-DRY | 39514*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB 1016 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB 1016 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB 1016 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1221 | UG/KG-DRY | 39491*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB-1221 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB-1221 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1221 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1232 | UG/KG-DRY | 39495*DEN | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB-1232 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB-1232 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1232 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1242 | UG/KG-DRY | 39499*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB-1242 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB-1242 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1242 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1248 | UG/KG-DRY | 39503*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB-1248 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB-1248 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1248 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1254 | UG/KG-DRY | 39507*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.1 |
| PCB-1254 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.1 |
| PCB-1254 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1254 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PCB-1260 | UG/KG-DRY | 39511*DEC | D1741 | MB*D1741*1 | 03/14/90 | 0.0 |
| PCB-1260 | UG/KG-DRY | | D1753 | MB*D1753*1 | | 0.0 |
| PCB-1260 | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 0.0 |
| PCB-1260 | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| PHENOL | UG/KG-DRY | 34694*SCLPS | D1755 | MB*D1755*1 | 03/24/90 | 400 |
| BIS(2-CHLOROETHYL)ETHER | UG/KG-DRY | 34273*SCLPS | | MB*D1755*1 | | 0.0 |
| 2-CHLOROPHENOL | UG/KG-DRY | 34586*SCLPS | | MB*D1755*1 | | 0.0 |
| 1,3,DICHLOROBENZENE | UG/KG-DRY | 34566*SCLPS | | MB*D1755*1 | | 0.0 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | 34571*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZYL ALCOHOL | UG/KG-DRY | 77147*SCLPS | | MB*D1755*1 | | 0.0 |
| 1,2-DICHLOROBENZENE | UG/KG-DRY | 34536*SCLPS | | MB*D1755*1 | | 0.0 |
| 2-METHYL PHENOL | UG/KG-DRY | 99073*SCLPS | | MB*D1755*1 | | 0.0 |
| BIS(2-CHL'ISOPROPYL) ETHER | UG/KG-DRY | 34283*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-METHYL PHENOL | UG/KG-DRY | 99074*SCLPS | | MB*D1755*1 | | 0.0 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | 34428*SCLPS | | MB*D1755*1 | | 0.0 |
| HEXACHLOROETHANE | UG/KG-DRY | 34396*SCLPS | | MB*D1755*1 | | 0.0 |
| NITROBENZENE | UG/KG-DRY | 34447*SCLPS | | MB*D1755*1 | | 0.0 |
| ISOPHORONE | UG/KG-DRY | 34408*SCLPS | | MB*D1755*1 | | 0.0 |
| 2-NITROPHENOL | UG/KG-DRY | 34591*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4-DIMETHYLPHENOL | UG/KG-DRY | 34606*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZOIC ACID | UG/KG-DRY | 77247*SCLPS | | MB*D1755*1 | | 0.0 |
| BIS(2-CHLOROETHOXY)METHANE | UG/KG-DRY | 34278*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4-DICHLOROPHENOL | UG/KG-DRY | 34601*SCLPS | | MB*D1755*1 | | 0.0 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | 34551*SCLPS | | MB*D1755*1 | | 0.0 |
| NAPHTHALENE | UG/KG-DRY | 34696*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-CHLOROANILINE | UG/KG-DRY | 99075*SCLPS | | MB*D1755*1 | | 0.0 |
| HEXACHLOROBUTADIENE | UG/KG-DRY | 34391*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | 34452*SCLPS | | MB*D1755*1 | | 0.0 |
| 2-METHLYNAPHTHALENE | UG/KG-DRY | 77416*SCLPS | | MB*D1755*1 | | 0.0 |
| HEXACHLOROCYCLOPENTADIENE | UG/KG-DRY | 34386*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4,6-TRICHL'PHENOL | UG/KG-DRY | 34621*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4,5-TRICHL'PHENOL | UG/KG-DRY | 77687*SCLPS | | MB*D1755*1 | | 0.0 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| 2-CHLORONAPHTHALENE | UG/KG-DRY | 34581*SCLPS | D1755 | MB*D1755*1 | 03/24/90 | 0.0 |
| 2-NITROANILINE | UG/KG-DRY | 99077*SCLPS | | MB*D1755*1 | | 0.0 |
| DIMETHYLPTHALATE | UG/KG-DRY | 34341*SCLPS | | MB*D1755*1 | | 0.0 |
| ACENAPHTHYLENE | UG/KG-DRY | 34200*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,6-DINITROTOLUENE | UG/KG-DRY | 34626*SCLPS | | MB*D1755*1 | | 0.0 |
| 3-NITROANILINE | UG/KG-DRY | 99078*SCLPS | | MB*D1755*1 | | 0.0 |
| ACENAPHTHENE | UG/KG-DRY | 34205*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4-DINITROPHENOL | UG/KG-DRY | 34616*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-NITROPHENOL | UG/KG-DRY | 34646*SCLPS | | MB*D1755*1 | | 0.0 |
| DIBENZOFURAN | UG/KG-DRY | 81302*SCLPS | | MB*D1755*1 | | 0.0 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611*SCLPS | | MB*D1755*1 | | 0.0 |
| DIETHYLPHTHALATE | UG/KG-DRY | 34336*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-CHLOROPHENYLPHENYL ETHER | UG/KG-DRY | 34641*SCLPS | | MB*D1755*1 | | 0.0 |
| FLUORENE | UG/KG-DRY | 34381*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-NITROANILINE | UG/KG-DRY | 99079*SCLPS | | MB*D1755*1 | | 0.0 |
| 2-METHYL-4,6-DINITROPHENOL | UG/KG-DRY | 34657*SCLPS | | MB*D1755*1 | | 0.0 |
| N-NITROSODIPHE'AMINE | UG/KG-DRY | 34433*SCLPS | | MB*D1755*1 | | 0.0 |
| 4-BROMOPHENYLPHENYL ETHER | UG/KG-DRY | 34636*SCLPS | | MB*D1755*1 | | 0.0 |
| HEXACHLOROBENZENE | UG/KG-DRY | 39700*SCLPS | | MB*D1755*1 | | 0.0 |
| PENTACHLOROPHENOL | UG/KG-DRY | 39032*SCLPS | | MB*D1755*1 | | 0.0 |
| PHENANTHRENE | UG/KG-DRY | 34461*SCLPS | | MB*D1755*1 | | 0.0 |
| ANTHRACENE | UG/KG-DRY | 34220*SCLPS | | MB*D1755*1 | | 0.0 |
| DI-N-BUTYLPHTHALATE | UG/KG-DRY | 39110*SCLPS | | MB*D1755*1 | | 0.0 |
| FLUORANTHENE | UG/KG-DRY | 34376*SCLPS | | MB*D1755*1 | | 0.0 |
| PYRENE | UG/KG-DRY | 34469*SCLPS | | MB*D1755*1 | | 0.0 |
| BUTYLBENZYLPHTHALATE | UG/KG-DRY | 34292*SCLPS | | MB*D1755*1 | | 0.0 |
| 3,3'-DICHL'BENZIDINE | UG/KG-DRY | 34631*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZO(A)ANTHRACENE | UG/KG-DRY | 34526*SCLPS | | MB*D1755*1 | | 0.0 |
| CHRYSENE | UG/KG-DRY | 34320*SCLPS | | MB*D1755*1 | | 0.0 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | 39100*SCLPS | | MB*D1755*1 | | 0.0 |
| DI-N-OCTYLPHTHALATE | UG/KG-DRY | 34596*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZO(B)FLUORANTHENE | UG/KG-DRY | 34230*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZO(K)FLUORANTHENE | UG/KG-DRY | 34242*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZO(A)PYRENE | UG/KG-DRY | 34247*SCLPS | | MB*D1755*1 | | 0.0 |
| INDENO(1,2,3-CD)PYRENE | UG/KG-DRY | 34403*SCLPS | | MB*D1755*1 | | 0.0 |
| DIBEN'(A,H)ANTH'CENE | UG/KG-DRY | 34556*SCLPS | | MB*D1755*1 | | 0.0 |
| BENZO(GHI)PERYLENE | UG/KG-DRY | 34521*SCLPS | | MB*D1755*1 | | 0.0 |
| CHLOROMETHANE | UG/KG-DRY | 34418*SCLPS | D1815 | MB*D1815*1 | 03/23/90 | 0.0 |
| CHLOROMETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| BROMOMETHANE | UG/KG-DRY | 34413*SCLPS | | MB*D1815*1 | | 0.0 |
| BROMOMETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| VINYL CHLORIDE | UG/KG-DRY | 39175*SCLPS | | MB*D1815*1 | | 0.0 |
| VINYL CHLORIDE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| CHLOROETHANE | UG/KG-DRY | 34311*SCLPS | | MB D1815*1 | | 0.0 |
| CHLOROETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| METHYLENE CHLORIDE | UG/KG-DRY | 34423*SCLPS | | MB*D1815*1 | | 0.0 |
| METHYLENE CHLORIDE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| ACETONE | UG/KG-DRY | 97020*SCLPS | | MB*D1815*1 | | 0.0 |
| ACETONE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| CARBON DISULFIDE | UG/KG-DRY | 77041*SCLPS | | MB*D1815*1 | | 0.0 |
| CARBON DISULFIDE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | 34496*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,1-DICHLOROETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546*SCLPS | | MB*D1815*1 | | 0.0 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| 1,2-DICHLOROETHENE (T) | UG/KG-DRY | 34546*SCLPS | D1815 | MB*D1815*2 | 03/23/90 | 0.0 |
| CHLOROFORM | UG/KG-DRY | 32106*SCLPS | | MB*D1815*1 | | 0.0 |
| CHLOROFORM | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | 34531*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,2-DICHLOROETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 2-BUTANONE | UG/KG-DRY | 81595*SCLPS | | MB*D1815*1 | | 0.0 |
| 2-BUTANONE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | 34506*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,1,1-TRICHL'ETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| CARBON TETRACHLORIDE | UG/KG-DRY | 32102*SCLPS | | MB*D1815*1 | | 0.0 |
| CARBON TETRACHLORIDE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| BROMODICHLOROMETHANE | UG/KG-DRY | 32101*SCLPS | | MB*D1815*1 | | 0.0 |
| BROMODICHLOROMETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,1,2,2-TETRACHLORO ETHANE | UG/KG-DRY | 34516*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,1,2,2-TETRACHLORO ETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | 98790*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,2-DICHLOROPROPANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| TRANS-1,3-DICHLOROPROPENE | UG/KG-DRY | 98792*SCLPS | | MB*D1815*1 | | 0.0 |
| TRANS-1,3-DICHLOROPROPENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| TRICHLOROETHENE | UG/KG-DRY | 39180*SCLPS | | MB*D1815*1 | | 0.0 |
| TRICHLOROETHENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | 32105*SCLPS | | MB*D1815*1 | | 0.0 |
| DIBROMOCHLOROMETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 1,1,2-TRICHL'ETHANE | UG/KG-DRY | 34511*SCLPS | | MB*D1815*1 | | 0.0 |
| 1,1,2-TRICHL'ETHANE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| BENZENE | UG/KG-DRY | 34030*SCLPS | | MB*D1815*1 | | 0.0 |
| BENZENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | 34704*SCLPS | | MB*D1815*1 | | 0.0 |
| CIS-1,3-DICHLOROPROPENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| BROMOFORM | UG/KG-DRY | 32104*SCLPS | | MB*D1815*1 | | 0.0 |
| BROMOFORM | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 4-METHYL-2-PENTANONE | UG/KG-DRY | 98696*SCLPS | | MB*D1815*1 | | 0.0 |
| 4-METHYL-2-PENTANONE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| TETRACHLOROETHENE | UG/KG-DRY | 34475*SCLPS | | MB*D1815*1 | | 0.0 |
| TETRACHLOROETHENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| TOLUENE | UG/KG-DRY | 34010*SCLPS | | MB*D1815*1 | | 0.0 |
| TOLUENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| CHLOROBENZENE | UG/KG-DRY | 34301*SCLPS | | MB*D1815*1 | | 0.0 |
| CHLOROBENZENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| ETHYLBENZENE | UG/KG-DRY | 34371*SCLPS | | MB*D1815*1 | | 0.0 |
| ETHYLBENZENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| XYLENES,TOTAL | UG/KG-DRY | 81551*SCLPS | | MB*D1815*1 | | 0.0 |
| XYLENES,TOTAL | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| STYRENE | UG/KG-DRY | 99210*SCLPS | | MB*D1815*1 | | 0.0 |
| STYRENE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| VINYL ACETATE | UG/KG-DRY | 77057*SCLPS | | MB*D1815*1 | | 0.0 |
| VINYL ACETATE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| 2-HEXANONE | UG/KG-DRY | 77103*SCLPS | | MB*D1815*1 | | 0.0 |
| 2-HEXANONE | UG/KG-DRY | | | MB*D1815*2 | | 0.0 |
| ARSENIC,LEACHATE | MG/L | 61522*DICAP | D1745 | MB*D1745*1 | 03/20/90 | 0.006 |
| ARSENIC,LEACHATE | MG/L | | | MB*D1745*2 | | 0.0 |
| BARIUM,LEACHATE | MG/L | 1007*ADICP | | MB*D1745*1 | | 0.0 |
| BARIUM,LEACHATE | MG/L | | | MB*D1745*2 | | 0.059 |
| CADMIUM,LEACHATE | MG/L | 61528*DICAP | | MB*D1745*1 | | 0.0002 |
| CADMIUM,LEACHATE | MG/L | | | MB*D1745*2 | | 0.0 |
| CHROMIUM,LEACHATE | MG/L | 61513*DICAP | | MB*D1745*1 | | 0.006 |

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Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| CHROMIUM,LEACHATE | MG/L | 61513*DICAP | D1745 | MB*D1745*2 | 03/20/90 | 0.004 |
| LEAD,LEACHATE | MG/L | 61504*DICAP | | MB*D1745*1 | | 0.0 |
| LEAD,LEACHATE | MG/L | | | MB*D1745*2 | | 0.0 |
| SELENIUM,LEACHATE | MG/L | 61519*DICAP | | MB*D1745*1 | | 0.0003 |
| SELENIUM,LEACHATE | MG/L | | | MB*D1745*2 | | 0.0 |
| SILVER,LEACHATE | MG/L | 97528*ADICP | | MB*D1745*1 | | 0.0011 |
| SILVER,LEACHATE | MG/L | | | MB*D1745*2 | | 0.0 |
| MERCURY,LEACHATE | MG/L | 61501*DCVAA | D1746 | MB*D1746*1 | | 0.0 |
| BARIUM,SED | MG/KG-DRY | 1008*ADICP | D1744 | MB*D1744*1 | 03/19/90 | 0.0 |
| CADMIUM,SED | MG/KG-DRY | 1028*ADICP | | MB*D1744*1 | | 0.0005 |
| CHROMIUM,SED | MG/KG-DRY | 1029*ADICP | | MB*D1744*1 | | 0.0 |
| SILVER,SED | MG/KG-DRY | 1078*ADICP | | MB*D1744*1 | | 0.0 |
| ARSENIC,SED | MG/KG-DRY | 1003*GFAA | D1743 | MB*D1743*1 | | 0.0 |
| LEAD,SED | MK/KG-DRY | 1052*GFAA | | MB*D1743*1 | | 0.001 |
| SELENIUM,SED | MG/KG-DRY | 1148*GFAA | | MB*D1743*1 | | 0.0007 |
| MERCURY,SED | MG/KG-DRY | 71921*CVAA | D1742 | MB*D1742*1 | | 0.0 |
| CYANIDE | MG/KG-DRY | 721*CLP | D1747 | MB*D1747*1 | | 0.0 |
| CYANIDE | MG/KG-DRY | | | MB*D1747*2 | | 0.12 |
| BHC,A | UG/KG-DRY | 39076*DEC | D1762 | MB*1762*1 | 03/20/90 | 0.0 |
| BHC,B | UG/KG-DRY | 34257*DEC | | MB*1762*1 | | 0.0 |
| BHC,D | UG/KG-DRY | 34262*DEC | | MB*1762*1 | | 0.0 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783*DEC | | MB*1762*1 | | 0.0 |
| HEPTACHLOR | UG/KG-DRY | 39413*DEC | | MB*1762*1 | | 0.0 |
| ALDRIN | UG/KG-DRY | 39333*DEC | | MB*1762*1 | | 0.190 |
| HEPTACHLOR EPOXIDE | UG/KG-DRY | 39423*DEC | | MB*1762*1 | | 0.0 |
| ENDOSULFAN,A | UG/KG-DRY | 34364*DEC | | MB*1762*1 | | 0.0 |
| DIELDRIN | UG/KG-DRY | 39383*DEC | | MB*1762*1 | | 0.0 |
| DDE,PP' | UG/KG-DRY | 39321*DEC | | MB*1762*1 | | 0.0 |
| ENDRIN | UG/KG-DRY | 39393*DEC | | MB*1762*1 | | 0.009 |
| ENDOSULFAN,B | UG/KG-DRY | 34359*DEC | | MB*1762*1 | | 0.0 |
| DDD,PP' | UG/KG-DRY | 39311*DEC | | MB*1762*1 | | 0.0 |
| ENDOSULFAN SULFATE | UG/KG-DRY | 34354*DEC | | MB*1762*1 | | 0.0 |
| DDT,PP' | UG/KG-DRY | 39301*DEC | | MB*1762*1 | | 5.21 |
| METHOXYCHLOR,SED | UG/KG-DRY | 39481*DEC | | MB*1762*1 | | 0.0 |
| ENDRIN KETONE,SED | UG/KG-DRY | 98591*DEC | | MB*1762*1 | | 0.0 |
| ENDRIN ALDEHYDE | UG/KG-DRY | 34369*DEC | | MB*1762*1 | | 0.0 |
| CHLORDANE,ALPHA | UG/KG-DRY | 79025*DEC | | MB*1762*1 | | 0.0 |
| CHLORDANE,GAMMA | UG/KG-DRY | 79005*DEC | | MB*1762*1 | | 0.0 |
| TOXAPHENE | UG/KG-DRY | 39403*DEC | | MB*1762*1 | | 0.0 |

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Standard Matrix Spike Recovery and Replicate Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | R.P.D. | R.P.D. CRIT. | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1254 | NG/WIPE | 39507*DEC | D2260 | SP1*D2260*1 | 07/24/90 | 0.0 | 2500 | 2700 | 110 | 85-115 | | 20 | 2700 |
| PCB-1254 | NG/WIPE | | | SP1*D2260*2 | | 0.0 | 2500 | 2500 | 100 | 85-115 | | 20 | 2500 |
| PCB-1254 | NG/WIPE | | D2284 | SP1*D2284*1 | 08/01/90 | 0.0 | 2500 | 2400 | 96 | 85-115 | | 20 | 2400 |
| PCB-1254 | NG/WIPE | | D2308 | SP1*D2308*1 | 08/07/90 | 0.0 | 2500 | 2700 | 110 | 85-115 | | 20 | 2700 |

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Standard Matrix Spike Recovery and Replicate Summary

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1254 | UG/L | 39504*DEC | D1863 | SP1*D1863*1 | 04/12/90 | 0.0 | 2.50 | 2.28 | 91.2 | 80-120 | 20 | 2.28 |
| PCB-1254 | UG/L | | D2031 | SP1*D2031*1 | 05/22/90 | 0.0 | 2.50 | 2.68 | 107 | 80-120 | 20 | 2.68 |
| PCB-1254 | UG/L | | D2100 | SP1*D2100*1 | 06/07/90 | 0.0 | 2.50 | 2.28 | 91.2 | 80-120 | 20 | 2.28 |
| PCB-1254 | UG/L | | D2143 | SP1*D2143*1 | 06/25/90 | 0.0 | 2.50 | 2.26 | 90.4 | 80-120 | 20 | 2.26 |
| PCB-1254 | UG/L | | D2175 | SP1*BLK*2175 | 07/05/90 | 0.0 | 2.50 | 2.38 | 95.2 | 80-120 | 20 | 2.38 |
| PCB-1254 | UG/L | | D2188 | SP1*D2188*1 | 07/09/90 | 0.0 | 2.50 | 2.57 | 103 | 80-120 | 20 | 2.57 |
| PCB-1254 | UG/L | 39504*DEC | D2208 | SP1*D2208*1 | 07/13/90 | 0.0 | 2.50 | 2.39 | 95.6 | 80-120 | 20 | 2.39 |
| PCB-1254 | UG/L | | D2241 | SP1*D2241*1 | 07/18/90 | 0.0 | 2.50 | 2.29 | 91.6 | 80-120 | 20 | 2.29 |
| PCB-1254 | UG/L | | D2258 | SP1*D2258*1 | 07/24/90 | 0.0 | 2.50 | 2.62 | 105 | 80-120 | 20 | 2.62 |
| PCB-1254 | UG/L | | D2314 | SP1*D2314*1 | 08/07/90 | 0.0 | 2.50 | 2.51 | 100 | 80-120 | 20 | 2.51 |
| PCB-1254 | UG/KG-WET | 39507*DEC | D1862 | SP1*1862*1 | 04/12/90 | 0.0 | 760 | 690 | 91 | 85-115 | 20 | 690 |
| PCB-1254 | UG/KG-WET | | D2030 | SP1*D2030*1 | 05/22/90 | 0.0 | 800 | 770 | 96 | 85-115 | 20 | 770 |
| PCB-1254 | UG/KG-WET | | D2099 | SP1*D2099*1 | 06/07/90 | 0.0 | 760 | 690 | 91 | 85-115 | 20 | 690 |
| PCB-1254 | UG/KG-WET | | D2142 | SP1*D2142*1 | 06/25/90 | 0.0 | 900 | 910 | 100 | 85-115 | 20 | 910 |
| PCB-1254 | UG/KG-WET | | D2182 | SP1*BLK*2182 | 07/06/90 | 0.0 | 250 | 190 | 76 | 85-115 | 20 | 190 |
| PCB-1254 | UG/KG-WET | | D2189 | SP1*D2189*1 | 07/10/90 | 0.0 | 420 | 410 | 98 | 85-115 | 20 | 410 |
| PCB-1254 | UG/KG-WET | | D2197 | SP1*D2197*1 | 07/13/90 | 0.0 | 2500 | 2500 | 100 | 85-115 | 20 | 2500 |
| PCB-1254 | UG/KG-WET | | D2209 | SP1*D2209*1 | | 0.0 | 830 | 750 | 90 | 85-115 | 20 | 750 |
| PCB-1254 | UG/KG-WET | | D2242 | SP1*D2242*1 | 07/19/90 | 0.0 | 920 | 880 | 96 | 85-115 | 20 | 880 |

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Standard Matrix Spike Recovery and Replicate Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | R.P.D. | R.P.D. CRIT. | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1254 | UG/KG-DRY | 39507*DEC | D1741 | SP1*D1741*1 | 03/14/90 | 0.1 | 83 | 77 | 93 | 85-115 | | 20 | 77 |
| PCB-1254 | UG/KG-DRY | | D1753 | SP1*D1753*1 | | 0.1 | 83 | 83 | 100 | 85-115 | | 20 | 83 |
| PCB-1254 | UG/KG-DRY | | D1754 | SP1*1754*1 | 03/17/90 | 0.0 | 83 | 71 | 86 | 85-115 | | 20 | 71 |
| PHENOL | UG/KG-DRY | 34694*SCLPS | D1755 | SP1*D1755*1 | 03/24/90 | 400 | 6670 | 12100 | 181 | 26-90 | | 35 | 12500 |
| 2-CHLOROPHENOL | UG/KG-DRY | 34586*SCLPS | | SP1*D1755*1 | | 0.0 | 6670 | 12100 | 181 | 25-102 | | 50 | 12100 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | 34571*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 4290 | 129 | 28-104 | | 27 | 4290 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | 34428*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 6000 | 180 | 41-126 | | 38 | 6000 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | 34551*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 5260 | 158 | 38-107 | | 23 | 5260 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | 34452*SCLPS | | SP1*D1755*1 | | 0.0 | 6670 | 15500 | 232 | 26-103 | | 33 | 15500 |
| ACENAPHTHENE | UG/KG-DRY | 34205*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 6190 | 186 | 31-137 | | 19 | 6190 |
| 4-NITROPHENOL | UG/KG-DRY | 34646*SCLPS | | SP1*D1755*1 | | 0.0 | 6670 | 13500 | 202 | 11-114 | | 50 | 13500 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 5970 | 179 | 28-89 | | 47 | 5970 |
| PENTACHLOROPHENOL | UG/KG-DRY | 39032*SCLPS | | SP1*D1755*1 | | 0.0 | 6670 | 13100 | 196 | 17-109 | | 47 | 13100 |
| PYRENE | UG/KG-DRY | 34469*SCLPS | | SP1*D1755*1 | | 0.0 | 3330 | 5640 | 169 | 35-142 | | 36 | 5640 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | 39100*SCLPS | | SP1*D1755*1 | | 0.0 | | T*1 | | 85-115 | | 0 | 97 |
| ARSENIC,LEACHATE | MG/L | 61522*DICAP | D1745 | SP1*D1745*1 | 03/20/90 | 0.006 | 0.500 | 0.439 | 87.6 | 80-120 | | 20 | 0.444 |
| BARIUM,LEACHATE | MG/L | 1007*ADICP | | SP1*D1745*1 | | 0.0 | 0.500 | 0.469 | 93.8 | 85-115 | | 15 | 0.469 |
| CADMIUM,LEACHATE | MG/L | 61528*DICAP | | SP1*D1745*1 | | 0.0002 | 0.500 | 0.449 | 89.8 | 85-115 | | 15 | 0.449 |
| CHROMIUM,LEACHATE | MG/L | 61513*DICAP | | SP1*D1745*1 | | 0.006 | 0.500 | 0.457 | 91.4 | 85-115 | | 15 | 0.463 |
| LEAD,LEACHATE | MG/L | 61504*DICAP | | SP1*D1745*1 | | 0.0 | 0.500 | 0.448 | 89.6 | 80-120 | | 20 | 0.448 |
| SELENIUM,LEACHATE | MG/L | 61519*DICAP | | SP1*D1745*1 | | 0.0003 | 0.500 | 0.451 | 90.1 | 80-120 | | 20 | 0.451 |
| SILVER,LEACHATE | MG/L | 97528*ADICP | | SP1*D1745*1 | | 0.0011 | 0.500 | 0.458 | 91.6 | 75-125 | | 25 | 0.459 |
| MERCURY,LEACHATE | MG/L | 61501*DCVAA | D1746 | SP1*D1746*1 | | 0.0 | 0.001 | 0.001 | 100 | 80-120 | | 20 | 0.001 |
| BARIUM,SED | MG/KG-DRY | 1008*ADICP | D1744 | SP1*D1744*1 | 03/19/90 | 0.0 | 0.500 | 0.486 | 97.2 | 75-125 | | 25 | 0.486 |
| CADMIUM,SED | MG/KG-DRY | 1028*ADICP | | SP1*D1744*1 | | 0.0005 | 0.500 | 0.488 | 97.5 | 75-125 | | 25 | 0.488 |
| CHROMIUM,SED | MG/KG-DRY | 1029*ADICP | | SP1*D1744*1 | | 0.0 | 0.500 | 0.492 | 98.4 | 75-125 | | 25 | 0.492 |
| SILVER,SED | MG/KG-DRY | 1078*ADICP | | SP1*D1744*1 | | 0.0 | 0.500 | 0.283 | 56.6 | 75-125 | | 25 | 0.283 |
| ARSENIC,SED | MG/KG-DRY | 1003*GFAA | D1743 | SP1*D1743*1 | | 0.0 | 0.040 | 0.040 | 100 | 75-125 | | 25 | 0.040 |
| LEAD,SED | MK/KG-DRY | 1052*GFAA | | SP1*D1743*1 | | 0.001 | 0.040 | 0.042 | 105 | 75-125 | | 25 | 0.043 |
| SELENIUM,SED | MG/KG-DRY | 1148*GFAA | | SP1*D1743*1 | | 0.0007 | 0.040 | 0.041 | 103 | 75-125 | | 25 | 0.042 |
| MERCURY,SED | MG/KG-DRY | 71921*CVAA | D1742 | SP1*D1742*1 | | 0.0 | 0.001 | 0.001 | 100 | 75-125 | | 25 | 0.0010 |
| CYANIDE | MG/KG-DRY | 721*CLP | D1747 | SP1*D1747*1 | | 0.0 | 10.0 | 8.34 | 83.4 | 70-120 | | 20 | 8.34 |
| CYANIDE | MG/KG-DRY | | | SP1*D1747*2 | | 0.12 | 10.0 | 9.98 | 99.8 | 70-120 | | 20 | 10.1 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783*DEC | | SP1*1762*1 | | 0.0 | 53.3 | 54.0 | 101 | 60-130 | | 30 | 54.0 |
| HEPTACHLOR | UG/KG-DRY | 39413*DEC | | SP1*1762*1 | | 0.0 | 53.3 | 53.4 | 100 | 60-130 | | 30 | 53.4 |
| ALDRIN | UG/KG-DRY | 39333*DEC | | SP1*1762*1 | | 0.190 | 53.3 | 53.4 | 100 | 55-127 | | 25 | 53.6 |
| DIELDRIN | UG/KG-DRY | 39383*DEC | | SP1*1762*1 | | 0.0 | 133 | 138 | 104 | 60-130 | | 30 | 138 |
| ENDRIN | UG/KG-DRY | 39393*DEC | | SP1*1762*1 | | 0.009 | 133 | 163 | 123 | 60-130 | | 30 | 163 |
| DDT,PP' | UG/KG-DRY | 39301*DEC | | SP1*1762*1 | | 5.21 | 133 | 173 | 130 | 60-130 | | 30 | 178 |

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Sample Matrix Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | UNSPIKED | R.P.D. | R.P.D. CRIT. | SPIKE CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-DICHLOROBENZENE | UG/KG-DRY | 34571*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 2670 | 80 | 28-104 | 0.0 | | 27 | 2670 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 2850 | 86 | 28-104 | 0.0 | 7 | 27 | 2850 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 4420 | 133 | 28-104 | 0.0 | | 27 | 4420 |
| 1,4-DICHLOROBENZENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 3270 | 98 | 28-104 | 0.0 | 30 | 27 | 3270 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | 34428*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 7380 | 221 | 41-126 | 0.0 | | 38 | 7380 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 7080 | 212 | 41-126 | 0.0 | 5 | 38 | 7080 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 13900 | 417 | 41-126 | 0.0 | | 38 | 13900 |
| N-NITROSODI-N-PROPYLAMINE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 13700 | 412 | 41-126 | 0.0 | 1 | 38 | 13700 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | 34551*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 4590 | 138 | 38-107 | 0.0 | | 23 | 4590 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 4360 | 131 | 38-107 | 0.0 | 5 | 23 | 4360 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 7770 | 233 | 38-107 | 0.0 | | 23 | 7770 |
| 1,2,4-TRICH'BENZENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 6490 | 195 | 38-107 | 0.0 | 18 | 23 | 6490 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | 34452*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 6670 | 18100 | 272 | 26-103 | 0.0 | | 33 | 18100 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 6670 | 18600 | 279 | 26-103 | 0.0 | 2.9 | 33 | 18600 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 6670 | 26700 | 400 | 26-103 | 0.0 | | 33 | 26700 |
| 4-CHLORO-3-METHYLPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 6670 | 27000 | 405 | 26-103 | 0.0 | 1.2 | 33 | 27000 |
| ACENAPHTHENE | UG/KG-DRY | 34205*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 7470 | 224 | 31-137 | 0.0 | | 19 | 7470 |
| ACENAPHTHENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 6830 | 205 | 31-137 | 0.0 | 9 | 19 | 6830 |
| ACENAPHTHENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 11200 | 336 | 31-137 | 0.0 | | 19 | 11200 |
| ACENAPHTHENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 10900 | 327 | 31-137 | 0.0 | 3 | 19 | 10900 |
| 4-NITROPHENOL | UG/KG-DRY | 34646*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 6670 | 17800 | 266 | 11-114 | 0.0 | | 50 | 17800 |
| 4-NITROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 6670 | 16900 | 254 | 11-114 | 0.0 | 5 | 50 | 16900 |
| 4-NITROPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 6670 | 16200 | 243 | 11-114 | 0.0 | | 50 | 16200 |
| 4-NITROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 6670 | 43500 | 652 | 11-114 | 0.0 | 91 | 50 | 43500 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | 34611*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 7510 | 225 | 28-89 | 0.0 | | 47 | 7510 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 7390 | 222 | 28-89 | 0.0 | 2 | 47 | 7390 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 8800 | 264 | 28-89 | 0.0 | | 47 | 8800 |
| 2,4-DINITROTOLUENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 10000 | 300 | 28-89 | 0.0 | 13 | 47 | 10000 |
| PENTACHLOROPHENOL | UG/KG-DRY | 39032*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 6670 | 18300 | 275 | 17-109 | 0.0 | | 47 | 18300 |
| PENTACHLOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 6670 | 18800 | 283 | 17-109 | 0.0 | 3 | 47 | 18800 |
| PENTACHLOROPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 6670 | 24700 | 370 | 17-109 | 0.0 | | 47 | 24700 |
| PENTACHLOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 6670 | 26100 | 392 | 17-109 | 0.0 | 6 | 47 | 26100 |
| PHENANTHRENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 335 |
| PHENANTHRENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 315 |
| FLUORANTHENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 498 |
| FLUORANTHENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 509 |
| PYRENE | UG/KG-DRY | 34469*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 3330 | 6920 | 208 | 35-142 | 43.8 | | 36 | 6960 |
| PYRENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 3330 | 7560 | 227 | 35-142 | 43.8 | 8.7 | 36 | 7600 |
| PYRENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 3330 | 11000 | 328 | 35-142 | 518 | | 36 | 11500 |
| PYRENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 3330 | 9460 | 284 | 35-142 | 518 | 15.0 | 36 | 9980 |
| CHRYSENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 565 |
| CHRYSENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 556 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | 39100*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 719 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 563 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 20000 |
| BIS(2-ETHYLHEXYL)PHTHALATE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 13600 |
| BENZO(K)FLUORANTHENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 913 |
| BENZO(K)FLUORANTHENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 938 |
| BENZO(A)PYRENE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 552 |
| BENZO(A)PYRENE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 0 | 451 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | 34501*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 50 | 47 | 95 | 61-145 | 0.0 | | 65 | 47 |
| 1,1-DICHLOROETHENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 50 | 49 | 98 | 61-145 | 0.0 | 4 | 65 | 49 |

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Sample Matrix Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | UNSPIKED | R.P.D. | R.P.D. CRIT. | SPIKE CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRICHLOROETHENE | UG/KG-DRY | 39180*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 50 | 61 | 122 | 62-137 | 0.0 | | 24 | 61 |
| TRICHLOROETHENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 50 | 63 | 125 | 62-137 | 0.0 | 2 | 24 | 63 |
| BENZENE | UG/KG-DRY | 34030*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 50 | 62 | 123 | 66-142 | 0.0 | | 21 | 62 |
| BENZENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 50 | 68 | 136 | 66-142 | 0.0 | 9 | 21 | 68 |
| TOLUENE | UG/KG-DRY | 34010*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 50 | 64 | 127 | 59-139 | 0.0 | | 21 | 64 |
| TOLUENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 50 | 63 | 125 | 59-139 | 0.0 | 2 | 21 | 63 |
| CHLOROBENZENE | UG/KG-DRY | 34301*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 50 | 69 | 139 | 60-133 | 0.0 | | 21 | 69 |
| CHLOROBENZENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 50 | 68 | 135 | 60-133 | 0.0 | 2 | 21 | 68 |
| ARSENIC,LEACHATE | MG/L | 61522*DICAP | D1745 | SPM1*HOLL-S*2 | 03/20/90 | 0.006 | 0.500 | 0.405 | 81.2 | 80-120 | 0.012 | | 20 | 0.417 |
| ARSENIC,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.006 | 0.500 | 0.423 | 84.6 | 80-120 | 0.012 | 4.35 | 20 | 0.435 |
| ARSENIC,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.006 | 0.500 | 0.431 | 86.2 | 80-120 | 0.012 | | 20 | 0.443 |
| ARSENIC,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.006 | 0.500 | 0.441 | 88.2 | 80-120 | 0.012 | 2.29 | 20 | 0.453 |
| BARIUM,LEACHATE | MG/L | 1007*ADICP | | SPM1*HOLL-S*2 | | 0.0 | 0.500 | 0.413 | 82.6 | 85-115 | 0.201 | | 15 | 0.614 |
| BARIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0 | 0.500 | 0.437 | 87.4 | 85-115 | 0.201 | 5.65 | 15 | 0.638 |
| BARIUM,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.0 | 0.500 | 0.470 | 94.0 | 85-115 | 0.229 | | 15 | 0.699 |
| BARIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0 | 0.500 | 0.472 | 94.5 | 85-115 | 0.229 | 0.531 | 15 | 0.701 |
| CADMIUM,LEACHATE | MG/L | 61528*DICAP | | SPM1*HOLL-S*2 | | 0.0002 | 0.500 | 0.410 | 82.1 | 85-115 | 0.0 | | 15 | 0.410 |
| CADMIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0002 | 0.500 | 0.416 | 83.2 | 85-115 | 0.0 | 1.45 | 15 | 0.416 |
| CADMIUM,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.0002 | 0.500 | 0.425 | 85.1 | 85-115 | 0.0 | | 15 | 0.425 |
| CADMIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0002 | 0.500 | 0.427 | 85.5 | 85-115 | 0.0 | 0.587 | 15 | 0.427 |
| CHROMIUM,LEACHATE | MG/L | 61513*DICAP | | SPM1*HOLL-S*2 | | 0.006 | 0.500 | 0.394 | 78.8 | 85-115 | 0.008 | | 15 | 0.402 |
| CHROMIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.006 | 0.500 | 0.407 | 81.5 | 85-115 | 0.008 | 3.37 | 15 | 0.415 |
| CHROMIUM,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.006 | 0.500 | 0.410 | 81.9 | 85-115 | 0.010 | | 15 | 0.420 |
| CHROMIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.006 | 0.500 | 0.411 | 82.1 | 85-115 | 0.010 | 0.122 | 15 | 0.421 |
| LEAD,LEACHATE | MG/L | 61504*DICAP | | SPM1*HOLL-S*2 | | 0.0 | 0.500 | 0.393 | 78.6 | 80-120 | 0.0 | | 20 | 0.393 |
| LEAD,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0 | 0.500 | 0.406 | 81.3 | 80-120 | 0.0 | 3.38 | 20 | 0.406 |
| LEAD,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.0 | 0.500 | 0.410 | 82.0 | 80-120 | 0.0 | | 20 | 0.410 |
| LEAD,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0 | 0.500 | 0.415 | 82.9 | 80-120 | 0.0 | 1.09 | 20 | 0.415 |
| SELENIUM,LEACHATE | MG/L | 61519*DICAP | | SPM1*HOLL-S*2 | | 0.0003 | 0.500 | 0.430 | 86.2 | 80-120 | 0.009 | | 20 | 0.439 |
| SELENIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0003 | 0.500 | 0.438 | 87.6 | 80-120 | 0.009 | 1.84 | 20 | 0.447 |
| PCB-1254 | UG/KG-DRY | 39507*DEC | D1741 | SPM1*HOLL-S*2 | 03/14/90 | 0.1 | 83 | -50 | -59 | 85-115 | 240 | | 20 | 190 |
| PCB-1254 | UG/KG-DRY | | | SPM2*HOLL-S*2 | | 0.1 | 83 | 140 | 170 | 85-115 | 240 | 420 | 20 | 380 |
| PCB-1254 | UG/KG-DRY | | D1754 | SPM1*HOLL-S*41 | 03/17/90 | 0.0 | 83 | -5000 | -6000 | 85-115 | 7800 | | 20 | 2800 |
| PCB-1254 | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 83 | -4500 | -5300 | 85-115 | 7800 | | 20 | 3300 |
| PHENOL | UG/KG-DRY | 34694*SCLPS | D1755 | SPM1*HOLL-S*1 | 03/24/90 | 400 | 6670 | 16400 | 245 | 26-90 | 0.0 | | 35 | 16400 |
| PHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 400 | 6670 | 16200 | 243 | 26-90 | 0.0 | 1 | 35 | 16200 |
| PHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 400 | 6670 | 23700 | 356 | 26-90 | 0.0 | | 35 | 23700 |
| PHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 400 | 6670 | 22600 | 339 | 26-90 | 0.0 | 5 | 35 | 22600 |
| 2-CHLOROPHENOL | UG/KG-DRY | 34586*SCLPS | | SPM1*HOLL-S*1 | | 0.0 | 6670 | 15600 | 234 | 25-102 | 0.0 | | 50 | 15600 |
| 2-CHLOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 0.0 | 6670 | 15300 | 230 | 25-102 | 0.0 | 2 | 50 | 15300 |
| 2-CHLOROPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 0.0 | 6670 | 24200 | 364 | 25-102 | 0.0 | | 50 | 24200 |
| 2-CHLOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 0.0 | 6670 | 22600 | 340 | 25-102 | 0.0 | 7 | 50 | 22600 |

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Sample Matrix Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | UNSPIKED | R.P.D. | R.P.D. CRIT. | SPIKE CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SELENIUM,LEACHATE | MG/L | 61519*DICAP | D1745 | SPM1*HOLL-S*42 | 03/20/90 | 0.0003 | 0.500 | 0.469 | 93.9 | 80-120 | 0.012 | | 20 | 0.481 |
| SELENIUM,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0003 | 0.500 | 0.436 | 87.1 | 80-120 | 0.012 | 7.41 | 20 | 0.448 |
| SILVER,LEACHATE | MG/L | 97528*ADICP | | SPM1*HOLL-S*2 | | 0.0011 | 0.500 | 0.417 | 83.4 | 75-125 | 0.0 | | 25 | 0.417 |
| SILVER,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0011 | 0.500 | 0.432 | 86.4 | 75-125 | 0.0 | 3.53 | 25 | 0.432 |
| SILVER,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.0011 | 0.500 | 0.442 | 88.5 | 75-125 | 0.0 | | 25 | 0.442 |
| SILVER,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0011 | 0.500 | 0.441 | 88.1 | 75-125 | 0.0 | 0.340 | 25 | 0.441 |
| MERCURY,LEACHATE | MG/L | 61501*DCVAA | D1746 | SPM1*HOLL-S*2 | | 0.0 | 0.004 | 0.005 | 124 | 80-120 | 0.0 | | 20 | 0.005 |
| MERCURY,LEACHATE | MG/L | | | SPM2*HOLL-S*2 | | 0.0 | 0.004 | 0.006 | 140 | 80-120 | 0.0 | 11.3 | 20 | 0.006 |
| MERCURY,LEACHATE | MG/L | | | SPM1*HOLL-S*42 | | 0.0 | 0.004 | 0.005 | 121 | 80-120 | 0.0 | | 20 | 0.005 |
| MERCURY,LEACHATE | MG/L | | | SPM2*HOLL-S*42 | | 0.0 | 0.004 | 0.005 | 126 | 80-120 | 0.0 | 0.797 | 20 | 0.005 |
| BARIUM,SED | MG/KG-DRY | 1008*ADICP | D1744 | SPM1*HOLL-S*4 | 03/19/90 | 0.0 | 100 | 133 | 132 | 75-125 | 63.3 | | 25 | 196 |
| BARIUM,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0 | 100 | 138 | 138 | 75-125 | 63.3 | 3.69 | 25 | 201 |
| CADMIUM,SED | MG/KG-DRY | 1028*ADICP | | SPM1*HOLL-S*4 | | 0.0005 | 100 | 134 | 134 | 75-125 | 0.0 | | 25 | 134 |
| CADMIUM,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0005 | 100 | 138 | 138 | 75-125 | 0.0 | 2.94 | 25 | 138 |
| CHROMIUM,SED | MG/KG-DRY | 1029*ADICP | | SPM1*HOLL-S*4 | | 0.0 | 100 | 132 | 131 | 75-125 | 5.50 | | 25 | 137 |
| CHROMIUM,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0 | 100 | 134 | 134 | 75-125 | 5.50 | 1.50 | 25 | 139 |
| SILVER,SED | MG/KG-DRY | 1078*ADICP | | SPM1*HOLL-S*4 | | 0.0 | 100 | 53.2 | 53.2 | 75-125 | 0.284 | | 25 | 53.5 |
| SILVER,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0 | 100 | 75.6 | 75.6 | 75-125 | 0.284 | 34.8 | 25 | 75.9 |
| ARSENIC,SED | MG/KG-DRY | 1003*GFAA | D1743 | SPM1*HOLL-S*4 | | 0.0 | 4.00 | 5.02 | 126 | 75-125 | 2.96 | | 25 | 7.98 |
| ARSENIC,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0 | 4.00 | 5.29 | 132 | 75-125 | 2.96 | 4.65 | 25 | 8.25 |
| ARSENIC,SED | MG/KG-DRY | | | SPM1*HOLL-S*6 | | 0.0 | 4.00 | 4.70 | 117 | 75-125 | 1.79 | | 25 | 6.49 |
| ARSENIC,SED | MG/KG-DRY | | | SPM2*HOLL-S*6 | | 0.0 | 4.00 | 5.22 | 130 | 75-125 | 1.79 | 9.68 | 25 | 7.01 |
| LEAD,SED | MK/KG-DRY | 1052*GFAA | | SPM1*HOLL-S*4 | | 0.001 | 4.00 | 2.98 | 74.5 | 75-125 | 1.97 | | 25 | 4.95 |
| LEAD,SED | MK/KG-DRY | | | SPM2*HOLL-S*4 | | 0.001 | 4.00 | 3.16 | 78.9 | 75-125 | 1.97 | 5.74 | 25 | 5.13 |
| LEAD,SED | MK/KG-DRY | | | SPM1*HOLL-S*6 | | 0.001 | 4.00 | 3.62 | 90.6 | 75-125 | 2.49 | | 25 | 6.11 |
| LEAD,SED | MK/KG-DRY | | | SPM2*HOLL-S*6 | | 0.001 | 4.00 | 2.79 | 69.8 | 75-125 | 2.49 | 25.8 | 25 | 5.28 |
| SELENIUM,SED | MG/KG-DRY | 1148*GFAA | | SPM1*HOLL-S*4 | | 0.0007 | 4.00 | 1.51 | 37.7 | 75-125 | 0.0 | | 25 | 1.51 |
| SELENIUM,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0007 | 4.00 | 0.0 | 0.0 | 75-125 | 0.0 | 200 | 25 | 0.0 |
| SELENIUM,SED | MG/KG-DRY | | | SPM1*HOLL-S*6 | | 0.0007 | 4.00 | 1.37 | 34.1 | 75-125 | 0.0 | | 25 | 1.37 |
| SELENIUM,SED | MG/KG-DRY | | | SPM2*HOLL-S*6 | | 0.0007 | 4.00 | 0.952 | 23.8 | 75-125 | 0.0 | 36.1 | 25 | 0.952 |
| MERCURY,SED | MG/KG-DRY | 71921*CVAA | D1742 | SPM1*HOLL-S*4 | | 0.0 | 0.100 | 0.183 | 183 | 75-125 | 0.041 | | 25 | 0.224 |
| MERCURY,SED | MG/KG-DRY | | | SPM2*HOLL-S*4 | | 0.0 | 0.100 | 0.149 | 149 | 75-125 | 0.041 | 20.5 | 25 | 0.190 |
| MERCURY,SED | MG/KG-DRY | | | SPM1*HOLL-S*6 | | 0.0 | 0.100 | 0.166 | 166 | 75-125 | 0.100 | | 25 | 0.266 |
| MERCURY,SED | MG/KG-DRY | | | SPM2*HOLL-S*6 | | 0.0 | 0.100 | 0.169 | 169 | 75-125 | 0.100 | 1.79 | 25 | 0.269 |
| CYANIDE | MG/KG-DRY | 721*CLP | D1747 | SPM1*HOLL-S*9 | | 0.0 | 10.0 | 14.9 | 149 | 70-120 | 0.0 | | 20 | 14.9 |
| CYANIDE | MG/KG-DRY | | | SPM2*HOLL-S*9 | | 0.0 | 10.0 | 12.6 | 126 | 70-120 | 0.0 | 16.7 | 20 | 12.6 |
| BHC,G(LINDANE) | UG/KG-DRY | 39783*DEC | | SPM1*HOLL-S*11 | | 0.0 | 53.3 | 74.8 | 140 | 60-130 | 0.0 | | 30 | 74.8 |
| BHC,G(LINDANE) | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 0.0 | 53.3 | 76.5 | 144 | 60-130 | 0.0 | 2.82 | 30 | 76.5 |
| HEPTACHLOR | UG/KG-DRY | 39413*DEC | | SPM1*HOLL-S*11 | | 0.0 | 53.3 | 66.5 | 125 | 60-130 | 0.0 | | 30 | 66.5 |
| HEPTACHLOR | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 0.0 | 53.3 | 66.1 | 124 | 60-130 | 0.0 | 0.803 | 30 | 66.1 |
| ALDRIN | UG/KG-DRY | 39333*DEC | | SPM1*HOLL-S*11 | | 0.190 | 53.3 | 65.8 | 124 | 55-127 | 0.261 | | 25 | 66.1 |
| ALDRIN | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 0.190 | 53.3 | 65.1 | 122 | 55-127 | 0.261 | 1.63 | 25 | 65.4 |
| DIELDRIN | UG/KG-DRY | 39383*DEC | | SPM1*HOLL-S*11 | | 0.0 | 133 | 197 | 148 | 60-130 | 0.0 | | 30 | 197 |
| DIELDRIN | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 0.0 | 133 | 201 | 151 | 60-130 | 0.0 | 2.01 | 30 | 201 |
| ENDRIN | UG/KG-DRY | 39393*DEC | D1762 | SPM1*HOLL-S*11 | 03/20/90 | 0.009 | 133 | 228 | 171 | 60-130 | 0.012 | | 30 | 228 |
| ENDRIN | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 0.009 | 133 | 234 | 175 | 60-130 | 0.012 | 2.31 | 30 | 234 |
| DDT,PP' | UG/KG-DRY | 39301*DEC | | SPM1*HOLL-S*11 | | 5.21 | 133 | 226 | 169 | 60-130 | 7.16 | | 30 | 233 |
| DDT,PP' | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 5.21 | 133 | 249 | 187 | 60-130 | 7.16 | 9.52 | 30 | 256 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | NG/WIPE | 97503*SUR | D2260 | MB*D2260*1 | 07/24/90 | 657 | 1000 | 657 | 65.7 | 20-150 | 657 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | MB*D2260*2 | | 657 | 1000 | 674 | 67.4 | 20-150 | 674 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | SP1*D2260*1 | | 657 | 1000 | 568 | 56.8 | 20-150 | 568 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | SP1*D2260*2 | | 657 | 1000 | 665 | 66.5 | 20-150 | 665 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*44 | | 657 | 1000 | 632 | 63.2 | 20-150 | 632 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*45 | | 657 | 1000 | 691 | 69.1 | 20-150 | 691 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*46 | | 657 | 1000 | 857 | 85.7 | 20-150 | 857 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*47 | | 657 | 1000 | 841 | 84.1 | 20-150 | 841 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*48 | | 657 | 1000 | 772 | 77.2 | 20-150 | 772 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*49 | | 657 | 1000 | 516 | 51.6 | 20-150 | 516 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*50 | | 657 | 1000 | 610 | 61.0 | 20-150 | 610 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*51 | | 657 | 1000 | 625 | 62.5 | 20-150 | 625 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*52 | | 657 | 1000 | 541 | 54.1 | 20-150 | 541 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*53 | | 657 | 1000 | 883 | 88.3 | 20-150 | 883 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*54 | | 657 | 1000 | 612 | 61.2 | 20-150 | 612 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*55 | | 657 | 1000 | 638 | 63.8 | 20-150 | 638 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*56 | | 657 | 1000 | 608 | 60.8 | 20-150 | 608 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*57 | | 657 | 1000 | 588 | 58.8 | 20-150 | 589 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*58 | | 657 | 1000 | 593 | 59.3 | 20-150 | 593 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*59 | | 657 | 1000 | 410 | 41.0 | 20-150 | 410 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*60 | | 657 | 1000 | 537 | 53.7 | 20-150 | 537 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*61 | | 657 | 1000 | 573 | 57.3 | 20-150 | 573 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*62 | | 657 | 1000 | 950 | 95.0 | 20-150 | 950 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*63 | | 657 | 1000 | 633 | 63.3 | 20-150 | 633 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*64 | | 657 | 1000 | 531 | 53.1 | 20-150 | 531 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*65 | | 657 | 1000 | 684 | 68.4 | 20-150 | 684 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*66 | | 657 | 1000 | 687 | 68.7 | 20-150 | 688 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*67 | | 657 | 1000 | 742 | 74.2 | 20-150 | 742 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*68 | | 657 | 1000 | 779 | 77.9 | 20-150 | 779 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*69 | | 657 | 1000 | 882 | 88.2 | 20-150 | 882 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*70 | | 657 | 1000 | 881 | 88.1 | 20-150 | 881 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*71 | | 657 | 1000 | 836 | 83.6 | 20-150 | 836 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*72 | | 657 | 1000 | 911 | 91.1 | 20-150 | 911 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*73 | | 657 | 1000 | 1040 | 104 | 20-150 | 1040 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*74 | | 657 | 1000 | 904 | 90.4 | 20-150 | 904 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*75 | | 657 | 1000 | 952 | 95.2 | 20-150 | 952 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*76 | | 657 | 1000 | 968 | 96.8 | 20-150 | 968 |
| DIBUTYLCHLORENDATE | NG/WIPE | | D2284 | MB*D2284*1 | 08/01/90 | 596 | 1000 | 596 | 59.6 | 20-150 | 596 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | SP1*D2284*1 | | 596 | 1000 | 579 | 57.9 | 20-150 | 579 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*77 | | 596 | 1000 | 558 | 55.8 | 20-150 | 558 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*78 | | 596 | 1000 | 587 | 58.7 | 20-150 | 587 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*79 | | 596 | 1000 | 462 | 46.2 | 20-150 | 462 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*80 | | 596 | 1000 | 645 | 64.5 | 20-150 | 646 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*81 | | 596 | 1000 | 597 | 59.7 | 20-150 | 597 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*82 | | 596 | 1000 | 567 | 56.7 | 20-150 | 567 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*83 | | 596 | 1000 | 289 | 28.9 | 20-150 | 289 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*84 | | 596 | 1000 | 484 | 48.4 | 20-150 | 484 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*85 | | 596 | 1000 | 571 | 57.1 | 20-150 | 571 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*86 | | 596 | 1000 | 547 | 54.7 | 20-150 | 547 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*87 | | 596 | 1000 | 541 | 54.1 | 20-150 | 541 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*88 | | 596 | 1000 | 554 | 55.4 | 20-150 | 554 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*89 | | 596 | 1000 | 426 | 42.6 | 20-150 | 426 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*90 | | 596 | 1000 | 704 | 70.4 | 20-150 | 704 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*91 | | 596 | 1000 | 264 | 26.4 | 20-150 | 264 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*92 | | 596 | 1000 | 446 | 44.6 | 20-150 | 446 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*93 | | 596 | 1000 | 523 | 52.3 | 20-150 | 523 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | NG/WIPE | 97503*SUR | D2284 | DA*HOLL-SW*94 | 08/01/90 | 596 | 1000 | 643 | 64.3 | 20-150 | 643 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*95 | | 596 | 1000 | 411 | 41.1 | 20-150 | 412 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*96 | | 596 | 1000 | 413 | 41.3 | 20-150 | 413 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*97 | | 596 | 1000 | 415 | 41.5 | 20-150 | 415 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*98 | | 596 | 1000 | 465 | 46.5 | 20-150 | 465 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*99 | | 596 | 1000 | 351 | 35.1 | 20-150 | 351 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*100 | | 596 | 1000 | 451 | 45.1 | 20-150 | 451 |
| DIBUTYLCHLORENDATE | NG/WIPE | | D2308 | MB*D2308*1 | 08/07/90 | 587 | 1000 | 586 | 58.6 | 20-150 | 587 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | SP1*D2308*1 | | 587 | 1000 | 582 | 58.2 | 20-150 | 582 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*101 | | 587 | 1000 | 622 | 62.2 | 20-150 | 622 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*102 | | 587 | 1000 | 382 | 38.2 | 20-150 | 382 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*103 | | 587 | 1000 | 510 | 51.0 | 20-150 | 511 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*104 | | 587 | 1000 | 440 | 44.0 | 20-150 | 440 |
| DIBUTYLCHLORENDATE | NG/WIPE | | | DA*HOLL-SW*105 | | 587 | 1000 | 508 | 50.8 | 20-150 | 508 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | UG/L | 97502*SUR | D1863 | MB*D1863*1 | 04/12/90 | 0.423 | 1.00 | 0.423 | 42.3 | 20-150 | 0.423 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D1863*1 | | 0.423 | 1.00 | 0.448 | 44.8 | 20-150 | 0.448 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*1 | | 0.423 | 1.00 | 0.498 | 49.8 | 20-150 | 0.498 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*2 | | 0.423 | 1.00 | 0.502 | 50.2 | 20-150 | 0.502 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*3 | | 0.423 | 1.00 | 0.424 | 42.4 | 20-150 | 0.424 |
| DIBUTYLCHLORENDATE | UG/L | | D2031 | MB*D2031*1 | 05/22/90 | 0.548 | 1.00 | 0.548 | 54.8 | 20-150 | 0.548 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2031*1 | | 0.548 | 1.00 | 0.575 | 57.5 | 20-150 | 0.575 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*4 | | 0.548 | 1.00 | 0.649 | 64.9 | 20-150 | 0.649 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*5 | | 0.548 | 1.00 | 0.613 | 61.3 | 20-150 | 0.613 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*6 | | 0.548 | 1.00 | 0.581 | 58.1 | 20-150 | 0.581 |
| DIBUTYLCHLORENDATE | UG/L | | D2100 | MB*D2100*1 | 06/07/90 | 0.468 | 1.00 | 0.468 | 46.8 | 20-150 | 0.468 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2100*1 | | 0.468 | 1.00 | 0.424 | 42.4 | 20-150 | 0.424 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*7 | | 0.468 | 1.00 | 0.463 | 46.3 | 20-150 | 0.463 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*8 | | 0.468 | 1.00 | 0.472 | 47.2 | 20-150 | 0.472 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*9 | | 0.468 | 1.00 | 0.406 | 40.6 | 20-150 | 0.406 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*10 | | 0.468 | 1.00 | 0.521 | 52.1 | 20-150 | 0.521 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*11 | | 0.468 | 1.00 | 0.453 | 45.3 | 20-150 | 0.453 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*12 | | 0.468 | 1.00 | 0.437 | 43.7 | 20-150 | 0.437 |
| DIBUTYLCHLORENDATE | UG/L | | D2143 | MB*D2143*1 | 06/25/90 | 0.560 | 1.00 | 0.560 | 56.0 | 20-150 | 0.560 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2143*1 | | 0.560 | 1.00 | 0.593 | 59.3 | 20-150 | 0.593 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*13 | | 0.560 | 1.00 | 0.580 | 58.0 | 20-150 | 0.580 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*14 | | 0.560 | 1.00 | 0.605 | 60.5 | 20-150 | 0.605 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*15 | | 0.560 | 1.00 | 0.558 | 55.8 | 20-150 | 0.558 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*16 | | 0.560 | 1.00 | 0.485 | 48.5 | 20-150 | 0.485 |
| DIBUTYLCHLORENDATE | UG/L | | D2175 | MB*BLK*2175 | 07/05/90 | 0.570 | 1.00 | 0.570 | 57.0 | 20-150 | 0.570 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*BLK*2175 | | 0.570 | 1.00 | 0.640 | 64.0 | 20-150 | 0.640 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*17 | | 0.570 | 1.00 | 0.536 | 53.6 | 20-150 | 0.536 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*18 | | 0.570 | 1.00 | 0.522 | 52.2 | 20-150 | 0.522 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*19 | | 0.570 | 1.00 | 0.439 | 43.9 | 20-150 | 0.439 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*20 | | 0.570 | 1.00 | 0.572 | 57.2 | 20-150 | 0.572 |
| DIBUTYLCHLORENDATE | UG/L | | D2188 | MB*D2188*1 | 07/09/90 | 0.561 | 1.00 | 0.561 | 56.1 | 20-150 | 0.561 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2188*1 | | 0.561 | 1.00 | 0.486 | 48.6 | 20-150 | 0.486 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*22 | | 0.561 | 1.00 | 0.489 | 48.9 | 20-150 | 0.489 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*23 | | 0.561 | 1.00 | 0.452 | 45.2 | 20-150 | 0.452 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*24 | | 0.561 | 1.00 | 0.508 | 50.8 | 20-150 | 0.508 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*25 | | 0.561 | 1.00 | 0.435 | 43.5 | 20-150 | 0.435 |
| DIBUTYLCHLORENDATE | UG/L | | D2208 | MB*D2208*1 | 07/13/90 | 0.547 | 1.00 | 0.547 | 54.7 | 20-150 | 0.547 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2208*1 | | 0.547 | 1.00 | 0.597 | 59.7 | 20-150 | 0.597 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*26 | | 0.547 | 1.00 | 0.489 | 48.9 | 20-150 | 0.489 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*27 | | 0.547 | 1.00 | 0.663 | 66.3 | 20-150 | 0.663 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*28 | | 0.547 | 1.00 | 1.18 | 118 | 20-150 | 1.18 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*29 | | 0.547 | 1.00 | 0.486 | 48.6 | 20-150 | 0.486 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*30 | | 0.547 | 1.00 | 0.632 | 63.2 | 20-150 | 0.632 |
| DIBUTYLCHLORENDATE | UG/L | | D2241 | MB*D2241*1 | 07/18/90 | 0.574 | 1.00 | 0.574 | 57.4 | 20-150 | 0.574 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2241*1 | | 0.574 | 1.00 | 0.590 | 59.0 | 20-150 | 0.590 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*34 | | 0.574 | 1.00 | 0.561 | 56.1 | 20-150 | 0.561 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*35 | | 0.574 | 1.00 | 0.580 | 58.0 | 20-150 | 0.580 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*36 | | 0.574 | 1.00 | 0.617 | 61.7 | 20-150 | 0.617 |
| DIBUTYLCHLORENDATE | UG/L | | D2258 | MB*D2258*1 | 07/24/90 | 0.999 | 1.00 | 0.999 | 99.9 | 20-150 | 0.999 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2258*1 | | 0.999 | 1.00 | 0.959 | 95.9 | 20-150 | 0.959 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*37 | | 0.999 | 1.00 | 0.929 | 92.9 | 20-150 | 0.929 |
| DIBUTYLCHLORENDATE | UG/L | | D2314 | MB*D2314*1 | 08/07/90 | 0.888 | 1.00 | 0.888 | 88.8 | 20-150 | 0.888 |
| DIBUTYLCHLORENDATE | UG/L | | | SP1*D2314*1 | | 0.888 | 1.00 | 0.939 | 93.9 | 20-150 | 0.939 |
| DIBUTYLCHLORENDATE | UG/L | | | DA*HOLL-RB*38 | | 0.888 | 1.00 | 0.665 | 66.5 | 20-150 | 0.665 |
| DIBUTYLCHLORENDATE | UG/KG-WET | 97503*SUR | D1862 | MB*1862*1 | 04/12/90 | 164 | 315 | 164 | 52.1 | 20-150 | 164 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*1862*1 | | 164 | 303 | 160 | 52.8 | 20-150 | 160 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | UG/KG-WET | 97503*SUR | D1862 | DA*HOLL-RB*1 | 04/12/90 | 164 | 338 | 172 | 50.9 | 20-150 | 172 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*2 | | 164 | 297 | 156 | 52.5 | 20-150 | 156 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2030 | MB*D2030*1 | 05/22/90 | 197 | 353 | 197 | 55.8 | 20-150 | 197 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2030*1 | | 197 | 321 | 153 | 47.7 | 20-150 | 153 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*4 | | 197 | 261 | 141 | 54.0 | 20-150 | 141 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*5 | | 197 | 258 | 118 | 45.7 | 20-150 | 118 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2099 | MB*D2099*1 | 06/07/90 | 130 | 313 | 130 | 41.5 | 20-150 | 130 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2099*1 | | 130 | 305 | 148 | 48.5 | 20-150 | 148 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*7 | | 130 | 152 | 76.5 | 50.3 | 20-150 | 76.6 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*8 | | 130 | 218 | 114 | 52.3 | 20-150 | 114 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*10 | | 130 | 219 | 115 | 52.5 | 20-150 | 115 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*11 | | 130 | 176 | 92.3 | 52.4 | 20-150 | 92.3 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2142 | MB*D2142*1 | 06/25/90 | 292 | 369 | 292 | 79.1 | 20-150 | 292 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2142*1 | | 292 | 358 | 277 | 77.4 | 20-150 | 277 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*13 | | 292 | 126 | 80.9 | 64.2 | 20-150 | 80.9 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*14 | | 292 | 313 | 233 | 74.4 | 20-150 | 233 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2182 | MB*BLK*2182 | 07/06/90 | 48.7 | 100 | 48.7 | 48.7 | 20-150 | 48.7 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*BLK*2182 | | 48.7 | 100 | 44.6 | 44.6 | 20-150 | 44.6 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*21 | | 48.7 | 100 | 49.3 | 49.3 | 20-150 | 72.1 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2189 | MB*D2189*1 | 07/10/90 | 151 | 282 | 151 | 53.5 | 20-150 | 151 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2189*1 | | 151 | 170 | 88.3 | 51.9 | 20-150 | 88.3 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*22 | | 151 | 174 | 86.9 | 49.9 | 20-150 | 86.9 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*23 | | 151 | 152 | 67.3 | 44.3 | 20-150 | 67.3 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2197 | MB*D2197*1 | 07/13/90 | 707 | 1000 | 707 | 70.7 | 20-150 | 707 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2197*1 | | 707 | 1000 | 611 | 61.1 | 20-150 | 611 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*31 | | 707 | 1000 | 482 | 48.2 | 20-150 | 483 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*32 | | 707 | 1000 | 1060 | 106 | 20-150 | 1060 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*33 | | 707 | 1000 | 855 | 85.5 | 20-150 | 855 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2209 | MB*D2209*1 | | 180 | 333 | 180 | 54.1 | 20-150 | 180 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2209*1 | | 180 | 333 | 217 | 65.2 | 20-150 | 217 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*27 | | 180 | 106 | 62.1 | 58.6 | 20-150 | 62.1 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | D2242 | MB*D2242*1 | 07/19/90 | 206 | 372 | 206 | 55.4 | 20-150 | 206 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | SP1*D2242*1 | | 206 | 366 | 196 | 53.6 | 20-150 | 196 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*34 | | 206 | 226 | 116 | 51.3 | 20-150 | 116 |
| DIBUTYLCHLORENDATE | UG/KG-WET | | | DA*HOLL-RB*35 | | 206 | 267 | 146 | 54.7 | 20-150 | 146 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | UG/KG-DRY | 97503*SUR | D1741 | MB*D1741*1 | 03/14/90 | 12.7 | 33.3 | 12.7 | 38.1 | 20-150 | 12.7 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SP1*D1741*1 | | 12.7 | 33.3 | 13.6 | 40.8 | 20-150 | 13.6 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM1*HOLL-S*2 | | 12.7 | 33.3 | 17.9 | 53.8 | 20-150 | 24.6 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM2*HOLL-S*2 | | 12.7 | 33.3 | 15.0 | 45.0 | 20-150 | 20.6 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*1 | | 12.7 | 33.3 | 14.5 | 43.5 | 20-150 | 19.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*2 | | 12.7 | 33.3 | 14.5 | 43.5 | 20-150 | 19.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*5 | | 12.7 | 33.3 | 12.0 | 36.0 | 20-150 | 18.3 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*6 | | 12.7 | 33.3 | 15.6 | 46.8 | 20-150 | 23.7 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*8 | | 12.7 | 33.3 | 49.4 | 148 | 20-150 | 71.5 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*9 | | 12.7 | 33.3 | 52.5 | 158 | 20-150 | 71.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*12 | | 12.7 | 33.3 | 11.7 | 35.1 | 20-150 | 17.0 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*13 | | 12.7 | 33.3 | 16.2 | 48.6 | 20-150 | 24.2 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*14 | | 12.7 | 33.3 | 12.6 | 37.8 | 20-150 | 18.4 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*15 | | 12.7 | 33.3 | 16.3 | 48.9 | 20-150 | 23.2 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*17 | | 12.7 | 33.3 | 15.2 | 45.6 | 20-150 | 20.8 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*18 | | 12.7 | 33.3 | 0.159 | 0.477 | 20-150 | 0.492 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | D1753 | MB*D1753*1 | | 13.7 | 33.3 | 13.7 | 41.1 | 20-150 | 13.7 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SP1*D1753*1 | | 13.7 | 33.3 | 13.2 | 39.6 | 20-150 | 13.2 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*19 | | 13.7 | 33.3 | 11.0 | 33.0 | 20-150 | 15.6 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*20 | | 13.7 | 33.3 | 13.1 | 39.3 | 20-150 | 19.2 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*22 | | 13.7 | 33.3 | 11.6 | 34.8 | 20-150 | 32.0 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*23 | | 13.7 | 33.3 | 12.7 | 38.1 | 20-150 | 26.6 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*24 | | 13.7 | 33.3 | 0.159 | 0.477 | 20-150 | 0.374 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*25 | | 13.7 | 33.3 | 0.159 | 0.477 | 20-150 | 0.241 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*26 | | 13.7 | 33.3 | 0.159 | 0.477 | 20-150 | 0.498 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*27 | | 13.7 | 33.3 | 0.160 | 0.480 | 20-150 | 0.806 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*31 | | 13.7 | 33.3 | 11.9 | 35.7 | 20-150 | 15.7 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*35 | | 13.7 | 33.3 | 13.3 | 39.9 | 20-150 | 17.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*43 | | 13.7 | 33.3 | 12.8 | 38.4 | 20-150 | 19.3 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*44 | | 13.7 | 33.3 | 13.3 | 39.9 | 20-150 | 18.3 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*45 | | 13.7 | 33.3 | 14.0 | 42.0 | 20-150 | 20.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*46 | | 13.7 | 33.3 | 12.0 | 36.0 | 20-150 | 15.1 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*47 | | 13.7 | 1000 | 1040 | 104 | 20-150 | 1040 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*48 | | 13.7 | 1000 | 1020 | 102 | 20-150 | 020 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | D1754 | MB*1754*1 | 03/17/90 | 2.72 | 33.3 | 2.72 | 8.17 | 20-150 | 2.72 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SP1*1754*1 | | 2.72 | 33.3 | 3.20 | 9.61 | 20-150 | 3.20 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM1*HOLL-S*41 | | 2.72 | 33.3 | 0.485 | 1.46 | 20-150 | 0.974 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 2.72 | 33.3 | 0.483 | 1.45 | 20-150 | 0.971 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*29 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 0.855 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*30 | | 2.72 | 33.3 | 0.485 | 1.46 | 20-150 | 2.00 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*32 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 1.52 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*33 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 1.31 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*34 | | 2.72 | 33.3 | 0.485 | 1.46 | 20-150 | 2.04 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*36 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 0.665 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*38 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 0.961 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*39 | | 2.72 | 33.3 | 0.485 | 1.46 | 20-150 | 0.946 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*40 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 1.64 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*41 | | 2.72 | 33.3 | 0.484 | 1.45 | 20-150 | 0.972 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | D1762 | MB*1762*1 | 03/20/90 | 149 | 133 | 149 | 112 | 20-150 | 149 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SP1*1762*1 | | 149 | 133 | 143 | 108 | 20-150 | 143 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM1*HOLL-S*11 | | 149 | 133 | 148 | 111 | 20-150 | 204 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM2*HOLL-S*11 | | 149 | 133 | 156 | 117 | 20-150 | 214 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | UN*HOLL-S*11 | | 149 | 133 | 142 | 107 | 20-150 | 195 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*3 | | 149 | 133 | 146 | 110 | 20-150 | 210 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*7 | | 149 | 133 | 154 | 116 | 20-150 | 216 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*10 | | 149 | 133 | 142 | 107 | 20-150 | 195 |

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Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | UG/KG-DRY | 97503*SUR | D1762 | DA*HOLL-S*16 | 03/20/90 | 149 | 133 | 148 | 111 | 20-150 | 214 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*21 | | 149 | 133 | 144 | 108 | 20-150 | 194 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*28 | | 149 | 133 | <16.0 | 0.0 | 20-150 | 58.2206 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*HOLL-S*37 | | 149 | 133 | 154 | 116 | 20-150 | 214 |
| 2-FLUOROPHENOL | UG/KG-DRY | 98325*SUR | D1755 | MB*D1755*1 | 03/25/90 | 1090 | 6670 | 1090 | 16.3 | 0-0 | 1090 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | SP1*D1755*1 | | 1090 | 6670 | 6490 | 97.3 | 0-0 | 6490 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 1090 | 6670 | 5500 | 82.5 | 0-0 | 7530 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 1090 | 6670 | 5620 | 84.3 | 0-0 | 7700 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 1090 | 6670 | 6070 | 91.0 | 0-0 | 12200 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 1090 | 6670 | 5810 | 87.1 | 0-0 | 11700 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 1090 | 6670 | 1930 | 28.9 | 0-0 | 2640 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*7 | | 1090 | 6670 | 4000 | 60.0 | 0-0 | 5630 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*16 | | 1090 | 6670 | 1820 | 27.3 | 0-0 | 2640 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*21 | | 1090 | 6670 | 3910 | 58.6 | 0-0 | 5270 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 1090 | 6670 | 2500 | 37.5 | 0-0 | 3790 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*37 | | 1090 | 6670 | 3240 | 48.6 | 0-0 | 4490 |
| 2-FLUOROPHENOL | UG/KG-DRY | | | DA*HOLL-S*41 | | 1090 | 6670 | 4060 | 60.9 | 0-0 | 8140 |
| PHENOL-D(5) | UG/KG-DRY | 98326*SUR | | MB*D1755*1 | 03/25/90 | 1580 | 6670 | 1580 | 23.7 | 0-0 | 1580 |
| PHENOL-D(5) | UG/KG-DRY | | | SP1*D1755*1 | | 1580 | 6670 | 6670 | 100 | 0-0 | 6670 |
| PHENOL-D(5) | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 1580 | 6670 | 6000 | 90.0 | 0-0 | 8220 |
| PHENOL-D(5) | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 1580 | 6670 | 6280 | 94.2 | 0-0 | 8610 |
| PHENOL-D(5) | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 1580 | 6670 | 5990 | 89.8 | 0-0 | 12000 |
| PHENOL-D(5) | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 1580 | 6670 | 5930 | 88.9 | 0-0 | 11900 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 1580 | 6670 | 2240 | 33.6 | 0-0 | 3070 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*7 | | 1580 | 6670 | 4130 | 61.9 | 0-0 | 5810 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*16 | | 1580 | 6670 | 2330 | 34.9 | 0-0 | 3370 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*21 | | 1580 | 6670 | 5140 | 77.1 | 0-0 | 6930 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 1580 | 6670 | 3580 | 53.7 | 0-0 | 5410 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*37 | | 1580 | 6670 | 4180 | 62.7 | 0-0 | 5790 |
| PHENOL-D(5) | UG/KG-DRY | | | DA*HOLL-S*41 | | 1580 | 6670 | 4590 | 68.8 | 0-0 | 9210 |
| NITROBENZENE-D(5) | UG/KG-DRY | 98327*SUR | | MB*D1755*1 | 03/25/90 | 285 | 3330 | 285 | 8.56 | 0-0 | 285 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | SP1*D1755*1 | | 285 | 3330 | 2640 | 79.3 | 0-0 | 2640 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 285 | 3330 | 1940 | 58.3 | 0-0 | 2650 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 285 | 3330 | 2320 | 69.7 | 0-0 | 3180 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 285 | 3330 | 2310 | 69.4 | 0-0 | 4630 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 285 | 3330 | 2480 | 74.5 | 0-0 | 4990 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 285 | 3330 | 364 | 10.9 | 0-0 | 499 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*7 | | 285 | 3330 | 873 | 26.2 | 0-0 | 1230 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*16 | | 285 | 3330 | 459 | 13.8 | 0-0 | 664 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*21 | | 285 | 3330 | 1210 | 36.3 | 0-0 | 1630 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 285 | 3330 | 427 | 12.8 | 0-0 | 645 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*37 | | 285 | 3330 | 473 | 14.2 | 0-0 | 656 |
| NITROBENZENE-D(5) | UG/KG-DRY | | | DA*HOLL-S*41 | | 285 | 3330 | 1160 | 34.8 | 0-0 | 2330 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | 98330*SUR | | MB*D1755*1 | 03/25/90 | 848 | 3330 | 848 | 25.5 | 0-0 | 848 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | SP1*D1755*1 | | 848 | 3330 | 3090 | 92.8 | 0-0 | 3090 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 848 | 3330 | 2120 | 63.7 | 0-0 | 2900 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 848 | 3330 | 2710 | 81.4 | 0-0 | 3720 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 848 | 3330 | 2600 | 78.1 | 0-0 | 5220 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 848 | 3330 | 2470 | 74.2 | 0-0 | 4960 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 848 | 3330 | 514 | 15.4 | 0-0 | 704 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*7 | | 848 | 3330 | 780 | 23.4 | 0-0 | 1100 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*16 | | 848 | 3330 | 534 | 16.0 | 0-0 | 773 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*21 | | 848 | 3330 | 1180 | 35.4 | 0-0 | 1590 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 848 | 3330 | 533 | 16.0 | 0-0 | 806 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*37 | | 848 | 3330 | 252 | 7.57 | 0-0 | 349 |
| 2-FLUOROBIPHENYL | UG/KG-DRY | | | DA*HOLL-S*41 | | 848 | 3330 | 1800 | 54.1 | 0-0 | 3620 |

N

Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | 97448*SUR | D1755 | MB*D1755*1 | 03/25/90 | 4060 | 6670 | 4060 | 60.9 | 20-121 | 4060 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | SP1*D1755*1 | | 4060 | 6670 | 5740 | 86.1 | 20-121 | 5740 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 4060 | 6670 | 5920 | 88.8 | 20-121 | 8120 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 4060 | 6670 | 5950 | 89.2 | 20-121 | 8150 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 4060 | 6670 | 5470 | 82.0 | 20-121 | 11000 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 4060 | 6670 | 6120 | 91.8 | 20-121 | 12300 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 4060 | 6670 | 4100 | 61.5 | 20-121 | 5610 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*7 | | 4060 | 6670 | 4940 | 74.1 | 20-121 | 6940 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*16 | | 4060 | 6670 | 3970 | 59.5 | 20-121 | 5750 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*21 | | 4060 | 6670 | 5660 | 84.9 | 20-121 | 7630 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 4060 | 6670 | 4990 | 74.8 | 20-121 | 7550 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*37 | | 4060 | 6670 | 4700 | 70.5 | 20-121 | 6510 |
| 2,4,6-TRIBROMOPHENOL | UG/KG-DRY | | | DA*HOLL-S*41 | | 4060 | 6670 | 4930 | 73.9 | 20-121 | 9900 |
| TERPHENYL-(D14) | UG/KG-DRY | 97449*SUR | | MB*D1755*1 | 03/25/90 | 2440 | 3330 | 2440 | 73.3 | 18-137 | 2440 |
| TERPHENYL-(D14) | UG/KG-DRY | | | SP1*D1755*1 | | 2440 | 3330 | 2320 | 69.7 | 18-137 | 2320 |
| TERPHENYL-(D14) | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 2440 | 3330 | 2260 | 67.9 | 18-137 | 3090 |
| TERPHENYL-(D14) | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 2440 | 3330 | 2390 | 71.8 | 18-137 | 3270 |
| TERPHENYL-(D14) | UG/KG-DRY | | | SPM1*HOLL-S*41 | 04/03/90 | 2440 | 3330 | 2330 | 70.0 | 18-137 | 4670 |
| TERPHENYL-(D14) | UG/KG-DRY | | | SPM2*HOLL-S*41 | | 2440 | 3330 | 2590 | 77.8 | 18-137 | 5200 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*1 | 03/25/90 | 2440 | 3330 | 2330 | 70.0 | 18-137 | 3190 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*7 | | 2440 | 3330 | 2340 | 70.3 | 18-137 | 3300 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*16 | | 2440 | 3330 | 2310 | 69.4 | 18-137 | 3340 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*21 | | 2440 | 3330 | 2370 | 71.2 | 18-137 | 3190 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*25 | 03/24/90 | 2440 | 3330 | 2510 | 75.4 | 18-137 | 3800 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*37 | | 2440 | 3330 | 3200 | 96.1 | 18-137 | 4430 |
| TERPHENYL-(D14) | UG/KG-DRY | | | DA*HOLL-S*41 | | 2440 | 3330 | 2650 | 79.6 | 18-137 | 5320 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | 97031*SUR | D1815 | MB*D1815*1 | 03/23/90 | 48 | 50 | 48 | 96 | 50-160 | 48 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 48 | 50 | 46 | 92 | 50-160 | 64 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 48 | 50 | 48 | 96 | 50-160 | 66 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*1 | | 48 | 50 | 48 | 96 | 50-160 | 65 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*7 | | 48 | 50 | 49 | 98 | 50-160 | 68 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*16 | | 48 | 50 | 48 | 96 | 50-160 | 68 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*21 | | 48 | 50 | 48 | 96 | 50-160 | 63 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*25 | | 48 | 50 | 45 | 90 | 50-160 | 68 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*37 | | 48 | 50 | 49 | 98 | 50-160 | 67 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | MB*D1815*2 | 03/24/90 | 48 | 50 | 48 | 96 | 50-160 | 48 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*41 | | 48 | 50 | 49 | 98 | 50-160 | 99 |
| 1,2-DICHLOROETHANE-D4 | UG/KG-DRY | | | DA*HOLL-S*42 | | 48 | 50 | 49 | 98 | 50-160 | 120 |
| TOLUENE-D8 | UG/KG-DRY | 97026*SUR | | MB*D1815*1 | 03/23/90 | 47 | 50 | 47 | 94 | 50-160 | 47 |
| TOLUENE-D8 | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 47 | 50 | 51 | 100 | 50-160 | 70 |
| TOLUENE-D8 | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 47 | 50 | 49 | 98 | 50-160 | 67 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*1 | | 47 | 50 | 49 | 98 | 50-160 | 67 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*7 | | 47 | 50 | 47 | 94 | 50-160 | 64 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*16 | | 47 | 50 | 49 | 98 | 50-160 | 70 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*21 | | 47 | 50 | 48 | 96 | 50-160 | 63 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*25 | | 47 | 50 | 52 | 100 | 50-160 | 78 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*37 | | 47 | 50 | 48 | 96 | 50-160 | 67 |
| TOLUENE-D8 | UG/KG-DRY | | | MB*D1815*2 | 03/24/90 | 47 | 50 | 48 | 96 | 50-160 | 48 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*41 | | 47 | 50 | 52 | 100 | 50-160 | 110 |
| TOLUENE-D8 | UG/KG-DRY | | | DA*HOLL-S*42 | | 47 | 50 | 53 | 110 | 50-160 | 130 |
| BROMOFLUOROBENZENE | UG/KG-DRY | 97027*SUR | | MB*D1815*1 | 03/23/90 | 51 | 50 | 51 | 100 | 50-160 | 51 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | SPM1*HOLL-S*1 | | 51 | 50 | 49 | 98 | 50-160 | 67 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | SPM2*HOLL-S*1 | | 51 | 50 | 50 | 100 | 50-160 | 69 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*1 | | 51 | 50 | 48 | 96 | 50-160 | 66 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*7 | | 51 | 50 | 47 | 94 | 50-160 | 65 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*16 | | 51 | 50 | 48 | 96 | 50-160 | 69 |

N

Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BROMOFLUOROBENZENE | UG/KG-DRY | 97027*SUR | D1815 | DA*HOLL-S*21 | 03/23/90 | 51 | 50 | 49 | 98 | 50-160 | 65 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*25 | | 51 | 50 | 47 | 94 | 50-160 | 71 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*37 | | 51 | 50 | 50 | 100 | 50-160 | 69 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | MB*D1815*2 | 03/24/90 | 51 | 50 | 48 | 96 | 50-160 | 48 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*41 | | 51 | 50 | 46 | 92 | 50-160 | 94 |
| BROMOFLUOROBENZENE | UG/KG-DRY | | | DA*HOLL-S*42 | | 51 | 50 | 46 | 92 | 50-160 | 110 |

Environmental Science and Engineering, INC.
Table of Definitions for QC Report
Columnar Terms

| Item | Title | Definition |
|---|---|---|
| FOUND | Sample Concentration | SPIKE SAMPLE CONC - UNSPIKED SAMPLE CONC |
| FOUND # 1 | Concentration of UNSPIKED Sample | |
| FOUND # 2 | Concentration of Replicate Sample | |
| %RECV | Percent Recovery: | 100 * (FOUND/ TARGET) displayed in appropriate significant figures |
| RECV CRIT | Recovery Criteria | Criteria for Percent Recovery set in the parameter record. |
| UNSPIKED | Unspiked Sample Concentration | Concentration of the DA or UN sample |
| M*BLK | Concentration of Method Blank | |
| R.P.D. | Relative Percent Difference (Matrix Spikes) | 100 * (ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2) |
| R.P.D. | Replicate Percent Difference (Control Spikes) | 100 * (ABS (%RECV SPn - %RECV SP1 )/(%RECV SPn + %RECV SP1 )/2) |
| R.P.D. | Replicate Percent Difference (Replicate Samples) | 100 * (ABS (Conc Rep #2 - Conc Rep #1 )/(Conc Rep #2 + Conc Rep #1)/2) |
| MAX % REPL DIFF | Maximum value of Replicate Difference | |
| C.D.L. | Calibration Curve Detection Limit | |
| NA | Not Analyzed | |
| N/A | Not Available | |

Table of Definitions for QC Report
Special Terms

| Item | Title | Definition |
|---|---|---|
| D*1 | | No analysis date.R*1 |
| U*2 | | Raw sample or UN sample is null or does not exist. |
| T*1 | | Target is null or 0. |
| RPD*1 | | SPI data is null or does not exist. |
| U*1 | | UN or DA parameter status is NR (NOT REQUESTED) |
| UNSPIKED = 0 | | If the parameter is reported as a "LESS THAN" the data is converted to 0 for calculation p |
| BLANK LINE | | Sample status is either NA or NR. NA=NOT ANALYZED, NR=NOT REQUESTED |
| NC | | No curve found. |
| NDL | | No curve detection limit in the curve record. |
| MIN.REC | Minimum Recovery Limit | Average Recovery - Recovery Limit |
| MAX.REC | Maximum Recovery Limit | Average Recovery + Recovery Limit |

HOLLOMAN AIR FORCE BASE
HAZARDOUS WASTE SEWAGE
SLUGE REMOVAL - SUMMARY
CONTRACT NO. DACA45-88-C-0148

## PERCENT SOLIDS DETERMINATIONS AND UNIT WEIGHTS OF SLUDGE

| SAMPLE I.D. | % SOLIDS | UNIT WEIGHT (PCF) |
|---|---|---|
| SSD-108-014 | 48.3 | 85.4 |
| SSD-108-01 | 46.1 | 91.2 |
| SSD-108-L04 | 46.6 | 84.4 |
| SSD-108-9866 | 51.9 | 96.2 |
| SSD-108-06 | 50.4 | 90.7 |

Environmental
Science &
Engineering, Inc.
A CILCORP Company

October 17, 1990

Charlie Miller
Western Technologies, Inc.
8305 Washington Place, N.E.
Albuquerque, New Mexico 87113

Dear Mr. Miller,

Enclosed please find results for the 4 water samples which we received 10-12-90. These samples were pressure filtered and the filtrate and the residue were analyzed for PCB's. The equipment blanks were not filtered, but were analyzed for PCB's. If you have any questions about the enclosed data please call.

Sincerely,

Kevin McHugh
Analytical Specialist
Laboratory Coordination

7330 South Alton Way, Suite N Englewood, CO 80112-2310 Phone (303) 741-0630 Fax (303) 793-0954
Formerly known as Hunter/ESE, Inc.

PROJECT NAME HOLLOMAN AFB-WATERS/RESIDUES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

| PARAMETERS | UNITS | SAMPLE ID/# DECW-1010-1 | DECW-1010-2 | EB-1010-1 | EB-1010-2 |
|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 14:45 | 14:50 | 14:20 | 14:30 |
| PCB-1016 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB-1221 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB-1232 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB-1242 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB 1248 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB-1254 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB-1260 | UG/L | <0.513 | <0.503 | <0.500 | <0.500 |
| PCB 1016 | UG/KG-DRY | <602 | <93.3 | NRQ | NRQ |
| PCB-1221 | UG/KG-DRY | <600 | <93 | NRQ | NRQ |
| PCB-1232 | UG/KG-DRY | <600 | <93 | NRQ | NRQ |
| PCB-1242 | UG/KG-DRY | <600 | <93 | NRQ | NRQ |
| PCB-1248 | UG/KG-DRY | <600 | <93 | NRQ | NRQ |
| PCB-1254 | UG/KG-DRY | 5100 | 1400 | NRQ | NRQ |
| PCB-1260 | UG/KG-DRY | <600 | <93 | NRQ | NRQ |

Environmental
Science &
Engineering, Inc.
A CILCORP Company

October 25, 1990

Charlie Miller
Western Technologies, Inc.
8305 Washington Place, N.E.
Albuquerque, New Mexico 87113

Dear Mr. Miller,

Enclosed please find the remainder of the data for Holloman A.F.B. Included in this report is 6 soil samples and 35 wipe samples. I have also included a QC Summary Report for the soil samples. If you have any questions please call me.

Sincerely,

Kevin McHugh
Analytical Specialist
Laboratory Coordination

7330 South Alton Way, Suite N Englewood, CO 80112-2319 Phone (303) 741-0639 Fax (303) 793-0954
Formerly known as Hunter/ESE, Inc.

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-1 | EW-1010-2 | EW-1010-3 | EW-1010-4 | EW-1010-5 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 10:40 | 10:40 | 10:40 | 10:45 | 10:45 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 700 | <500 | <500 | <500 | 4900 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-6 | EW-1010-7 | EW-1010-8 | EW-1010-9 | EW-1010-10 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 10:46 | 10:46 | 10:47 | 10:47 | 10:48 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | <500 | 2000 | <500 | 2000 | <500 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

FIELD GROUP 901/0003
ALL

PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-11 | EW-1010-12 | EW-1010-13 | EW-1010-14 | EW-1010-15 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 10:48 | 10:49 | 10:50 | 10:50 | 10:51 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | <500 | 2900 | 700 | <500 | 1800 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH



SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-16 | EW-1010-17 | EW-1010-18 | EW-1010-19 | EW-1010-20 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 14:00 | 14:00 | 14:01 | 14:01 | 14:02 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 1300 | <500 | <500 | <500 | <500 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-21 | EW-1010-22 | EW-1010-23 | EW-1010-24 | EW-1010-25 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 14:03 | 14:04 | 14:05 | 14:00 | 14:00 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 580 | <500 | <500 | <500 | 1100 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-26 | EW-1010-27 | EW-1010-28 | EW-1010-29 | EW-1010-30 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 14:06 | 14:06 | 14:07 | 14:07 | 14:08 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | 950 | <500 | <500 | 3000 | 4200 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

ESE, Inc.
PROJECT NUMBER 6902017-0003
FIELD GROUP 90170003
ALL

DATE 10/23/90 STATUS :
PROJECT NAME HOLLOMAN AFB-SOIL/SLUDGES
PROJECT MANAGER DOYCE BLAIR
LAB COORDINATOR KEVIN MCHUGH

SAMPLE ID/#

| PARAMETERS | UNITS | EW-1010-31 | EW-1010-32 | EW-1010-33 | EW-1010-34 | EW-1010-35 |
|---|---|---|---|---|---|---|
| DATE | | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 | 10/10/90 |
| TIME | | 14:15 | 14:15 | 14:16 | 14:16 | 14:16 |
| PCB 1016 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1221 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1232 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1242 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1248 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |
| PCB-1254 | NG/WIPE | <500 | <500 | 650 | <500 | <500 |
| PCB-1260 | NG/WIPE | <500 | <500 | <500 | <500 | <500 |

Table of Definitions for QC Report
Columnar Terms

| Item | Title | Definition |
|---|---|---|
| FOUND | Sample Concentration | SPIKE SAMPLE CONC - UNSPIKED SAMPLE CONC |
| FOUND # 1 | Concentration of UNSPIKED Sample | |
| FOUND # 2 | Concentration of Replicate Sample | |
| %RECV | Percent Recovery: | 100 * (FOUND/ TARGET) displayed in appropriate significant figures |
| RECV CRIT | Recovery Criteria | Criteria for Percent Recovery set in the parameter record. |
| UNSPIKED | Unspiked Sample Concentration | Concentration of the DA or UN sample |
| M*BLK | Concentration of Method Blank | |
| R.P.D. | Relative Percent Difference (Matrix Spikes) | 100 * (ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2) |
| R.P.D. | Replicate Percent Difference (Control Spikes) | 100 * (ABS (%RECV SPn - %RECV SP1 )/(%RECV SPn + %RECV SP1 )/2) |
| R.P.D. | Replicate Percent Difference (Replicate Samples) | 100 * (ABS (Conc Rep #2 - Conc Rep #1 )/(Conc Rep #2 + Conc Rep #1)/2) |
| MAX % REPL DIFF | Maximum value of Replicate Difference | |
| C.D.L. | Calibration Curve Detection Limit | |
| NA | Not Analyzed | |
| N/A | Not Available | |

Table of Definitions for QC Report

Special Terms

| Item | Title | Definition |
|---|---|---|
| D*1 | | No analysis date.R*1 |
| U*2 | | Raw sample or UN sample is null or does not exist. |
| T*1 | | Target is null or 0. |
| RPD*1 | | SP1 data is null or does not exist. |
| U*1 | | UN or DA parameter status is NR (NOT REQUESTED) |
| UNSPIKED = 0 | | If the parameter is reported as a "LESS THAN" the data is converted to 0 for calculation pur |
| BLANK LINE | | Sample status is either NA or NR. NA=NOT ANALYZED, NR=NOT REQUESTED |
| NC | | No curve found. |
| NDL | | No curve detection limit in the curve record. |
| MIN.REC | Minimum Recovery Limit | Average Recovery - Recovery Limit |
| MAX.REC | Maximum Recovery Limit | Average Recovery + Recovery Limit |

N

Method Blank Sample Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | FOUND |
|---|---|---|---|---|---|---|
| PCB 1016 | UG/KG-DRY | 39514*DEC | D2622 | MB*D2622*1 | 10/13/90 | 0.0 |
| PCB-1221 | UG/KG-DRY | 39491*DEC | | MB*D2622*1 | | 0.0 |
| PCB-1232 | UG/KG-DRY | 39495*DEN | | MB*D2622*1 | | 0.0 |
| PCB-1242 | UG/KG-DRY | 39499*DEC | | MB*D2622*1 | | 0.0 |
| PCB-1248 | UG/KG-DRY | 39503*DEC | | MB*D2622*1 | | 0.0 |
| PCB-1254 | UG/KG-DRY | 39507*DEC | | MB*D2622*1 | | 0.0 |
| PCB-1260 | UG/KG-DRY | 39511*DEC | | MB*D2622*1 | | 0.0 |

N

Standard Matrix Spike Recovery and Replicate Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | R.P.D. | R.P.D. CRIT. | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB 1016 | UG/KG-DRY | 39514*DEC | D2622 | SP1*D2622*1 | 10/13/90 | 0.0 | | T*1 | | 70-125 | | 25 | 0.0 |
| PCB-1221 | UG/KG-DRY | 39491*DEC | | SP1*D2622*1 | | 0.0 | | T*1 | | 85-115 | | 20 | 0.0 |
| PCB-1232 | UG/KG-DRY | 39495*DEN | | SP1*D2622*1 | | 0.0 | | T*1 | | 85-115 | | 20 | 0.0 |
| PCB-1242 | UG/KG-DRY | 39499*DEC | | SP1*D2622*1 | | 0.0 | | T*1 | | 85-115 | | 20 | 0.0 |
| PCB-1248 | UG/KG-DRY | 39503*DEC | | SP1*D2622*1 | | 0.0 | | T*1 | | 85-115 | | 20 | 0.0 |
| PCB-1254 | UG/KG-DRY | 39507*DEC | | SP1*D2622*1 | | 0.0 | 330 | 310 | 94 | 85-115 | | 20 | 310 |
| PCB-1260 | UG/KG-DRY | 39511*DEC | | SP1*D2622*1 | | 0.0 | | T*1 | | 70-125 | | 25 | 0.0 |

N

Sample Matrix Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | UNSPIKED | R.P.D. | R.P.D. CRIT. | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB 1016 | UG/KG-DRY | 39514*DEC | D2622 | SPM1*90170003*1 | 10/13/90 | 0.0 | | T*1 | | 70-125 | 0.0 | | 25 | 0.0 |
| PCB 1016 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 70-125 | 0.0 | | 25 | 0.0 |
| PCB-1221 | UG/KG-DRY | 39491*DEC | | SPM1*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1221 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1232 | UG/KG-DRY | 39495*DEN | | SPM1*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1232 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1242 | UG/KG-DRY | 39499*DEC | | SPM1*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1242 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1248 | UG/KG-DRY | 39503*DEC | | SPM1*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1248 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 85-115 | 0.0 | | 20 | 0.0 |
| PCB-1254 | UG/KG-DRY | 39507*DEC | | SPM1*90170003*1 | | 0.0 | 330 | 2600 | 800 | 85-115 | 5700 | | 20 | 8300 |
| PCB-1254 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | 330 | 3900 | 1200 | 85-115 | 5700 | 41 | 20 | 9600 |
| PCB-1260 | UG/KG-DRY | 39511*DEC | | SPM1*90170003*1 | | 0.0 | | T*1 | | 70-125 | 0.0 | | 25 | 0.0 |
| PCB-1260 | UG/KG-DRY | | | SPM2*90170003*1 | | 0.0 | | T*1 | | 70-125 | 0.0 | | 25 | 0.0 |

N

Surrogate Spike Recovery Summary

| NAME | UNITS | STOR*METH | BATCH | SAMPLE | DATE | MB | TARGET | FOUND | %RECV | RECV CRIT | SPIKE CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIBUTYLCHLORENDATE | UG/KG-DRY | 97503*SUR | D2622 | MB*D2622*1 | 10/13/90 | 62.1 | 66.7 | 62.1 | 93.1 | 20-150 | 62.1 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SP1*D2622*1 | | 62.1 | 66.7 | 55.1 | 82.6 | 20-150 | 55.1 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*1 | | 62.1 | 66.7 | 50.0 | 75.0 | 20-150 | 74.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*2 | | 62.1 | 66.7 | 34.1 | 51.1 | 20-150 | 49.8 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*3 | | 62.1 | 66.7 | 43.0 | 64.5 | 20-150 | 66.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*4 | | 62.1 | 66.7 | 44.7 | 67.0 | 20-150 | 60.4 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*5 | | 62.1 | 66.7 | 54.0 | 81.0 | 20-150 | 73.1 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | DA*90170003*6 | | 62.1 | 66.7 | 56.9 | 85.3 | 20-150 | 89.0 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | RP*90170003*1 | | 62.1 | 66.7 | 34.1 | 51.1 | 20-150 | 49.8 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM1*90170003*1 | | 62.1 | 66.7 | 43.0 | 64.5 | 20-150 | 66.9 |
| DIBUTYLCHLORENDATE | UG/KG-DRY | | | SPM2*90170003*1 | | 62.1 | 66.7 | 57.1 | 85.6 | 20-150 | 89.3 |