

SURFACE WATER

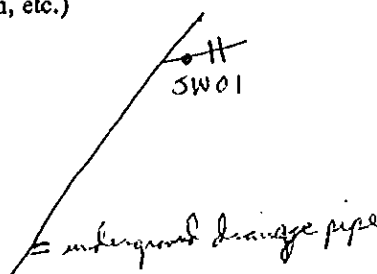
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 8/13/98 Location PDO-SW01

Samplers Used Sample bottles

Drawing of sampling location (including location description as well as the presence of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp 70-75°F

Soil/sediment sampling parameters: ⁸²⁶⁰~~8240~~ 8010 8020 8100 8270 GRO DRO PPM 8080 RCRA-met

Description of sample _____

Time of sample collection 0810

OVA Readings NA

Depth of water (for sediment sampling) _____

Decontamination (page number references) NA

Spoons or spatulas _____

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons _____

Photograph frame numbers NA

Signature of field team personnel making data entry) D. Howard

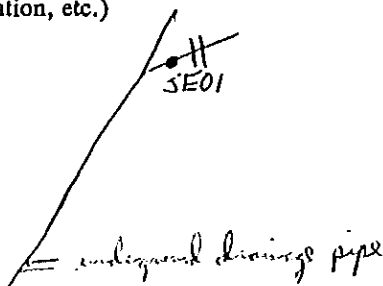
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 8/13/98 Location PDO-SE01

Samplers Used stainless steel bowl & spoon

Drawing of sampling location (including location description as well as the presence of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp 70-75°F

Soil/sediment sampling parameters: 8260 8240 8010 8020 8100 8270 GRO DRO PPM 8080 ACRA-met.

Description of sample brown sandy soil with organic material

Time of sample collection 0810

OVA Readings NA

Depth of water (for sediment sampling) 10-12 ins.

Decontamination (page number references) SAP 10-2

Spoons or spatulas stainless steel

Trowel _____

Hand corer _____

Hand auger _____

Bowls stainless steel

Split spoons _____

Photograph frame numbers NA

Signature of field team personnel making data entry) D. Howard

SURFACE WATER

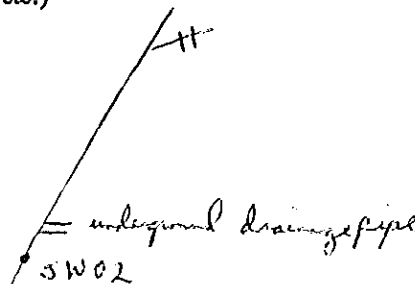
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 6/13/98 Location PDO-SW02

Samplers Used Sampling bottles

Drawing of sampling location (including location description as well as the presence of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp 70-75°F

Soil/sediment sampling parameters: 8260 8240 8010 8020 8100 8270 GRO DRO PPM 8080 RCRA-met

Description of sample _____

Time of sample collection 0920

OVA Readings NA

Depth of water (for sediment sampling) _____

Decontamination (page number references) NA

Spoons or spatulas _____

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons _____

Photograph frame numbers NA

Signature of field team personnel making data entry) D. Howard

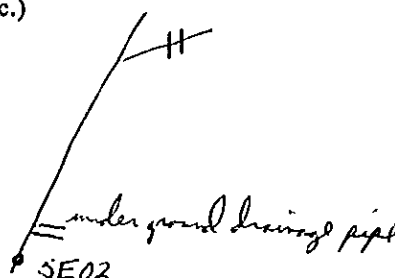
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 8/13/98 Location PDO-SE02

Samplers Used stainless steel bowl + spoon

Drawing of sampling location (including location description as well as the pressure of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp. 70-75°F

Soil/sediment sampling parameters: 8260 ~~8240~~ 8010 8020 8100 8270 GRO DRO PPM 8080 RCRA-met

Description of sample brown sandy soil with organic material

Time of sample collection 0920

OVA Readings NA

Depth of water (for sediment sampling) 6-8 in.

Decontamination (page number references) SAP 10-2

Spoons or spatulas ☒

Trowel ☐

Hand corer ☐

Hand auger ☐

Bowls ☒

Split spoons ☐

Photograph frame numbers NA

Signature of field team personnel making data entry) D Howard

SURFACE WATER

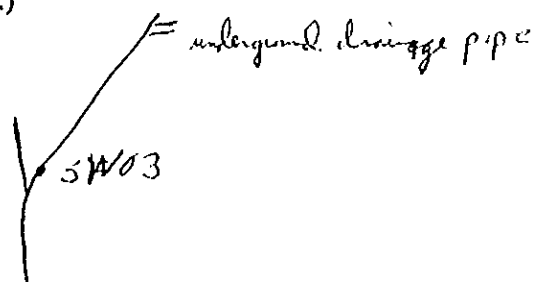
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 8/13/98 Location PDO - SW03

Samplers Used Sampling bottles

Drawing of sampling location (including location description as well as the presence of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp 75-80°F

Soil/sediment sampling parameters: 8260 8240 8010 8020 8100 8270 GRO DRO PPM 8080 ACRAMet

Description of sample _____

Time of sample collection 100.5

OVA Readings NA

Depth of water (for sediment sampling) _____

Decontamination (page number references) NA

Spoons or spatulas _____

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons _____

Photograph frame numbers NA

Signature of field team personnel making data entry) D. Howard

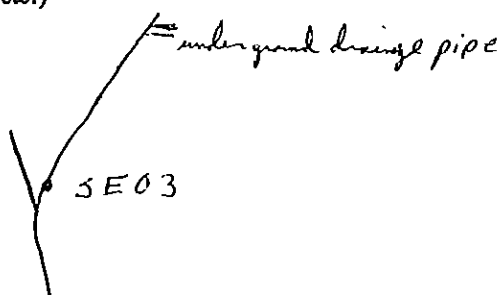
FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA



Date 8/13/98 Location PDO-SE03

Samplers Used stainless steel bowl & spoon

Drawing of sampling location (including location description as well as the presence of debris surface sheens, debris surface sheens, recent excavations, vegetation, etc.)



Weather Partly cloudy, temp. 75-80°F

Soil/sediment sampling parameters: 8260 8240 8010 8020 8100 8270 GRO DRO PPM 8080 RCRAmet

Description of sample brown sandy soil with organic material

Time of sample collection 1005

OVA Readings NA

Depth of water (for sediment sampling) 6-8 in.

Decontamination (page number references) SAP 10-2

Spoons or spatulas ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls ✓

Split spoons _____

Photograph frame numbers NA

Signature of field team personnel making data entry) D. Howard

APPENDIX H
CHEMICAL DATA AND VALIDATION REPORTS

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The analytical data presented in this section are divided into two categories. A description of analytical results in each category is as follows:

Phase I- All analytical data that are not reproduced (i.e., resampled) in the Phase II sampling program are provided in this section. This includes analytical data from the initial soil boring program (soil samples collected at hand auger, power auger, and groundwater monitoring well installation locations). The results of hydropunch groundwater sample analyses (used solely as field screening data for selecting permanent groundwater monitoring wells locations) are not provided. In accordance with HWMB recommendations, all groundwater monitoring wells and surface water and sediment sampling locations were resampled during Phase II using advanced technologies for sample collection and analysis (i.e., low flow well purging, EncoreTM sampling devices, revised SW846 analytical methods, etc.). Therefore, Phase I groundwater, surface water, and sediment sample analytical results are irrelevant and are not provided in this section.

Phase II- Analytical data from the Phase II soil boring program (groundwater monitoring well soil samples) are provided. The results of groundwater, surface water, and sediment samples collected during Phase II are also provided.

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HUNTER ARMY AIRFIELD - PDO YARD
SAMPLING CHRONOLOGY

Sample ID	Matrix	SDG ID	Date Sampled	Time Sampled	Date Lab Received	Date Lab Reported	Depth (ft.)	QC Samples	VOC's 801018020	SVOC's 8270	DRO 8100M	GRO 8015M	P.P. Metals 600017000	Gross a&b 9310
PDO-ER01	W	HAA34	8/14/96	12:45	8/15/96	9/23/96	2.0	EB	X	X	X	X	X	X
PDO-SB0101	S	HAA34	8/14/96	15:30	8/15/96	9/23/96	2.0		X	X	X	X	X	X
PDO-SB0102	S	HAA34	8/14/96	15:40	8/15/96	9/23/96	4.0		X	X	X	X	X	X
PDO-SB0201	S	HAA34	8/15/96	08:15	8/15/96	9/23/96	2.0		X	X	X	X	X	X
PDO-SB0202	S	HAA34	8/15/96	08:30	8/15/96	9/23/96	4.0		X	X	X	X	X	X
PDO-SB0301	S	HAA34	8/15/96	10:00	8/15/96	9/23/96	2.0		X	X	X	X	X	X
PDO-SB0302	S	HAA34	8/15/96	10:15	8/15/96	9/23/96	4.0		X	X	X	X	X	X
PDO-SB0401	S	HAA34	8/15/96	11:25	8/15/96	9/23/96	2.0		X	X	X	X	X	X
PDO-SB0402	S	HAA34	8/15/96	11:40	8/15/96	9/23/96	4.0		X	X	X	X	X	X
PDO-SB16	S	HAA34	8/15/96	11:40	8/15/96	9/23/96	4.0	DUP	X	X	X	X	X	X
PDO-SB0501	S	HAA34	8/15/96	14:15	8/15/96	9/23/96	2.0		X	X	X	X	X	X
PDO-SB0502	S	HAA34	8/15/96	14:25	8/15/96	9/23/96	4.0		X	X	X	X	X	X
PDO-SB0601	S	HAA35	8/16/96	13:00	8/16/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB0602	S	HAA35	8/16/96	13:05	8/16/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB0701	S	HAA35	8/16/96	13:40	8/16/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB0702	S	HAA35	8/16/96	13:50	8/16/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB0801	S	HAA35	8/16/96	15:20	8/16/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB17	S	HAA35	8/16/96	15:20	8/16/96	9/25/96	4.0	DUP	X	X	X	X	X	X
PDO-SB0901	S	HAA35	8/16/96	16:00	8/16/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB0902	S	HAA35	8/16/96	16:10	8/16/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB1001	S	HAA36	8/17/96	07:25	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1002	S	HAA36	8/17/96	07:40	8/19/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB1101	S	HAA36	8/17/96	08:10	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1102	S	HAA36	8/17/96	08:15	8/19/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB1201	S	HAA36	8/17/96	09:05	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1202	S	HAA36	8/17/96	09:15	8/19/96	9/25/96	4.0	MS/MSD	X	X	X	X	X	X
PDO-SB1301	S	HAA36	8/17/96	09:50	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1302	S	HAA36	8/17/96	10:00	8/19/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB18	S	HAA36	8/17/96	10:00	8/19/96	9/25/96	4.0	DUP	X	X	X	X	X	X
PDO-SB1401	S	HAA36	8/17/96	12:35	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1402	S	HAA36	8/17/96	12:45	8/19/96	9/25/96	4.0		X	X	X	X	X	X
PDO-SB1501	S	HAA36	8/17/96	13:15	8/19/96	9/25/96	2.0		X	X	X	X	X	X
PDO-SB1502	S	HAA36	8/17/96	13:25	8/19/96	9/25/96	4.0		X	X	X	X	X	X

HUNTER ARMY AIRFIELD - PDO YARD
SAMPLING CHRONOLOGY

Sample ID	Matrix	SDG ID	Date Sampled	Time Sampled	Date Lab Received	Date Lab Reported	Depth (ft.)	QC Samples	VOC's 801018020	SVOC's 8270	DRO 8100M	GRO 8015M	P.P. Metals 600017000	Gross a&b 9310
PDO-HA0101	S	HAA38	8/29/96	08:55	8/29/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA0102	S	HAA38	8/29/96	09:00	8/29/96	9/27/96	5.0		X	X	X	X	X	X
PDO-HA0201	S	HAA38	8/29/96	09:35	8/29/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA0202	S	HAA38	8/29/96	09:40	8/29/96	9/27/96	4.0		X	X	X	X	X	X
PDO-HA0301	S	HAA38	8/29/96	10:20	8/29/96	9/27/96	1.0	MS/MSD	X	X	X	X	X	X
PDO-HA0302	S	HAA38	8/29/96	10:30	8/29/96	9/27/96	5.0		X	X	X	X	X	X
PDO-MWB0101	S	HAA37	8/26/96	08:35	8/27/96	9/27/96	2.0		X	X	X	X	X	X
PDO-MWB0102	S	HAA37	8/26/96	08:45	8/27/96	9/27/96	4.0		X	X	X	X	X	X
PDO-MWB0201	S	HAA37	8/26/96	10:15	8/27/96	9/27/96	4.0		X	X	X	X	X	X
PDO-MWB0202	S	HAA37	8/26/96	10:25	8/27/96	9/27/96	6.0		X	X	X	X	X	X
PDO-MWB05	S	HAA37	8/26/96	10:25	8/27/96	9/27/96	6.0	DUP	X	X	X	X	X	X
PDO-MWB0301	S	HAA37	8/26/96	13:30	8/27/96	9/27/96	2.0		X	X	X	X	X	X
PDO-MWB0302	S	HAA37	8/26/96	13:40	8/27/96	9/27/96	4.0		X	X	X	X	X	X
PDO-MWB0401	S	HAA37	8/27/96	07:55	8/27/96	9/27/96	2.0		X	X	X	X	X	X
PDO-MWB0402	S	HAA37	8/27/96	08:05	8/27/96	9/27/96	4.0		X	X	X	X	X	X

HUNTER ARMY AIRFIELD - PDO YARD
SAMPLING CHRONOLOGY

Sample ID	Matrix	SDG ID	Date Sampled	Time Sampled	Date Lab Received	Date Lab Reported	Depth (ft.)	QC Samples	VOC's 8260	SVOC's 8270	DRO 8100M	GRO 8015M	P.P. Metals 6000/7000	Gross a&b 9310
PDO-HA0401	S	HAA39	9/16/96	14:15	9/17/96	10/10/96	1.0		X	X	X	X	X	X
PDO-HA0402	S	HAA39	9/16/96	14:25	9/17/96	10/10/96	2.0		X	X	X	X	X	X
PDO-HA0501	S	HAA39	9/16/96	14:55	9/17/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA0502	S	HAA39	9/16/96	15:05	9/17/96	9/27/96	2.0		X	X	X	X	X	X
PDO-HA11	S	HAA39	9/16/96	15:05	9/17/96	9/27/96	2.0	DUP	X	X	X	X	X	X
PDO-HA0601	S	HAA39	9/16/96	15:30	9/17/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA0602	S	HAA39	9/16/96	16:05	9/17/96	10/9/96	5.0	MS/MSD	X	X	X	X	X	X
PDO-HA0701	S	HAA39	9/16/96	16:35	9/17/96	10/10/96	1.0		X	X	X	X	X	X
PDO-HA0702	S	HAA39	9/16/96	17:00	9/17/96	10/10/96	5.0		X	X	X	X	X	X
PDO-HA0801	S	HAA39	9/16/96	17:30	9/17/96	10/10/96	1.0		X	X	X	X	X	X
PDO-HA0802	S	HAA39	9/16/96	17:50	9/17/96	9/27/96	5.0		X	X	X	X	X	X
PDO-HA0901	S	HAA39	9/16/96	18:15	9/17/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA0902	S	HAA39	9/16/96	18:25	9/17/96	9/27/96	3.0		X	X	X	X	X	X
PDO-HA1001	S	HAA39	9/16/96	19:00	9/17/96	9/27/96	1.0		X	X	X	X	X	X
PDO-HA1002	S	HAA39	9/16/96	19:10	9/17/96	9/27/96	3.0		X	X	X	X	X	X
PDO-HA12	S	HAA39	9/16/96	19:10	9/17/96	9/27/96	3.0	DUP	X	X	X	X	X	X
PDO-GW0101	W	HAA40	9/18/96	10:25	9/20/96	10/9/96	0.0			X	X	X	X	
PDO-GW0201	W	HAA40	9/18/96	10:35	9/20/96	10/2/96	0.0			X	X	X	X	
PDO-GW0301	W	HAA40	9/18/96	10:45	9/20/96	10/2/96	0.0			X	X	X	X	
PDO-GW0401	W	HAA40	9/18/96	10:15	9/20/96	10/9/96	0.0			X	X	X	X	
PDO-ER02	W	HAA41	9/17/96	15:50	9/20/96	10/9/96	0.0	EB	X	X	X	X	X	
PDO-GW1901	W	HAA41	9/17/96	17:15	9/20/96	10/2/96	0.0		X			X		
PDO-GW2001	W	HAA40	9/18/96	9:50	9/20/96	10/9/96	0.0			X	X	X	X	
PDO-GW2101	W	HAA40	9/18/96	9:40	9/20/96	10/9/96	0.0			X	X	X	X	
PDO-GW2201	W	HAA40	9/18/96	10:05	9/20/96	10/2/96	0.0			X	X	X	X	
PDO-GW2301	W	HAA41	9/17/96	17:30	9/20/96	10/2/96	0.0		X			X		
PDO-GW2401	W	HAA41	9/17/96	17:45	9/20/96	10/2/96	0.0		X			X		
PDO-GW2501	W	HAA41	9/17/96	18:05	9/20/96	10/4/96	0.0		X			X		
PDO-SW01	W	HAA42	9/18/96	14:40	9/20/96	10/2/96	0.0			X	X	X	X	
PDO-SW02	W	HAA40	9/18/96	14:15	9/20/96	10/3/96	0.0			X	X	X	X	
PDO-SW03	W	HAA40	9/18/96	13:40	9/20/96	10/3/96	0.0			X	X	X	X	
PDO-SW04	W	HAA40	9/18/96	13:40	9/20/96	10/3/96	0.0	DUP		X	X	X	X	
PDO-SE01	S	HAA42	9/18/96	14:46	9/20/96	10/3/96	0.0		X	X	X	X	X	X
PDO-SE03	S	HAA42	9/18/96	13:40	9/20/96	10/3/96	0.0		X	X	X	X	X	X
PDO-SE04	S	HAA42	9/18/96	13:40	9/20/96	10/3/96	0.0	DUP	X	X	X	X	X	X

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DATA QUALITY SUMMARY REPORT

Hunter Army Airfield - PDO Yard

November 19, 1996

1.0 INTRODUCTION

Metcalf & Eddy, Inc. was contracted by the United States Army Corps of Engineers, Savannah District, to perform a site investigation at the former Hunter Army Airfield. The purpose of this investigation is to determine the extent of contamination present in the soil and groundwater at this site.

Metcalf & Eddy, Inc. contracted with Savannah Laboratories to perform the required analyses of soil samples. The analytical data was validated according to USEPA National Functional Guidelines for Organics Data Review and Inorganics Analysis. This guidance follows the Quality Assurance (QA)/Quality Control (QC) requirements outlined in the USEPA's Test Methods for Evaluating Solid Waste (EPA SW-846). Overall these guidelines mimic the most current editions of the EPA's Functional Guidelines for Reviewing Organic and Inorganic Analyses conducted outside the EPA's Contract Laboratory Program (CLP).

The following sections of this Data Quality Summary Report discuss the laboratory reporting, data validation, problems encountered and corrective actions as applied to the samples and data collected during this determination.

1.1 Field Samples and Analysis

The following report summarizes the validation findings of the samples included in the Sample Data Groups listed below.

<i><u>SDG</u></i>	<i><u>Date</u></i>	<i><u>Matrix</u></i>	<i><u>Samples</u></i>	<i><u>Field Duplicates</u></i>	<i><u>Trip Blanks</u></i>	<i><u>Equipment Blanks</u></i>
HAA34	08/14/96	SOIL	11	1	0	1
HAA35	08/16/96	SOIL	7	1	0	0
HAA36	08/17/96	SOIL	12	1	0	0
HAA37	08/26/96	SOIL	8	1	0	0
HAA38	08/13/96	SOIL	6	0	0	0

Samples were analyzed by Savannah Laboratories - Tallahassee, Florida using the following USEPA SW-846 Methods:

6000/7000	Priority Pollutant Metals
8015M	Gasoline Range Organics
8015M	Diesel Range Organics
8260	Volatile Organic Compounds (GC/MS)
8270	Semivolatile Organic Compounds (GC/MS)
9310	Gross alpha & beta

Forty-four soil samples, four field duplicates and one equipment blank were analyzed. All samples were not analyzed by all methods. All soil sample results were reported on a dry weight basis.

2.0 LABORATORY REPORTING

2.1 Laboratory Blanks

Laboratory blanks or method blanks are artificial samples prepared from the same matrix type as the samples to be analyzed. These blanks are taken through sample preparation and analyzed before the field samples to determine if the glassware, sample preparation or laboratory environment has contaminated the field samples.

All laboratory blanks for all methods of analysis of soils were free of contaminants at and above the method reporting limits.

2.2 Laboratory Control Samples (% Recovery)

Laboratory control samples are artificial samples prepared from the same matrix type as the samples to be analyzed. These samples are processed through sample preparation and analyzed to assess the performance of each analytical system that the laboratory using to analyze the field samples.

All laboratory control samples for all methods of analysis of soils were within required control limits with the exception of four samples with slightly high RPDs. Since there are no RPD requirements only percent recovery requirements for LCS/LCSD samples, no data were qualified.

2.3 Precision (% RPD)

Laboratory precision is evaluated by calculating the relative percent difference (RPD) between the values reported for a matrix spiked sample (MS) and its duplicate, the matrix spiked duplicate (MSD), or any other set of duplicate parameters. The following equation is utilized for this calculation:

$$RPD = \frac{|V_s - V_d|}{[V_s + V_d] / 2} \times 100$$

Where V_s is the value reported for the matrix spiked sample (MS) and V_d is the value reported for its duplicate (MSD). Sample RPDs are compared to the analyzing laboratory's precision control limits which are primarily derived from their in-house quality control data.

RPDs for all methods of analysis of spiked samples were within required control limits with the exception of one sample analyzed for each of the following; antimony, chromium, lead, selenium, polynuclear aromatic hydrocarbons and gross alpha/beta. Two samples exhibited slightly high RPD's for GRO. No qualifiers were applied.

RPDs of field duplicates for all methods of analysis of soils were within the required control limits with the exception of one sample analyzed for each of the following; arsenic, copper, lead and gross alpha/beta. Two samples exhibited slightly high RPD's for mercury and volatile organics. No qualifiers were applied.

2.4 Surrogate Recovery

Surrogates are compounds similar to analytes of interest but are not normally found in environmental samples. Prior to sample preparation and analysis, surrogates are spiked into laboratory control samples, calibration and check standards, matrix spiked samples and field samples. Accuracy is measured by calculating percent recoveries for each surrogate as follows:

$$\%R = \frac{\text{Concentration of spike found}}{\text{Concentration of spike added}} \times 100$$

Slightly low surrogate recovery was exhibited for twelve soil samples analyzed for GRO and one soil sample analyzed for semivolatile organics. Slightly high surrogate recovery was exhibited for three samples analyzed for volatile organics. All other surrogate recoveries were within the required control limits. See Section 3.3 for sample data qualifications.

2.5 Holding Time

Holding time is the storage time allowed between sample collection and sample analysis when the designated preservation and storage techniques are employed.

All samples were within required holding times for all methods of analysis.

2.6 Temperature

Cooler receipts indicate that the laboratory received all samples at the correct temperature.

2.7 Completeness

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of >99% completeness.

3.0 DATA VALIDATION

The objective when evaluating the quality of chemical data is to determine its usability. The evaluation is based upon the interpretation of the laboratory QC data, the field QC data, and the project Data Quality Objectives (DQOs). The evaluation process is often termed "data validation".

3.1 Laboratory Data Validation

Laboratory data were evaluated to assess , holding times, laboratory blanks, laboratory control samples, surrogate recoveries, and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). These criteria were used to evaluate the bias and precision of the data generated by the laboratory. The bias of the laboratory data was assessed through consideration of the following:

- Adherence to the prescribed method
- Recovery of MS/MSD from field samples
- Method blank contamination
- Adherence to sample preparation and holding times
- Recovery of surrogate spikes

Field duplicate precision

3.2 Definition of Data Qualifiers

During the data validation process, all laboratory data had to be evaluated and assigned a data qualifier, as applicable. These qualifiers are defined in the February 1994 EPA document titled, "National Functional Guidelines for Organic and Inorganic Data Review." This guidance follows the

Quality Assurance (QA)/Quality Control (QC) requirements outlined in the USEPA's Test Methods for Evaluating Solid Waste (EPA SW-846). Overall these guidelines mimic the most current editions of the EPA's Functional Guidelines for Reviewing Organic and Inorganic Analyses conducted outside the EPA's Contract Laboratory Program (CLP).

The guidance also describes procedures to be followed when qualifying data. The data qualifiers are defined as follows:

When the compound was analyzed for, but was not detected above the level of the associated value, a "U" was used to flag the compounds. A flag of "J" is usually used when the associated value is an estimated quantity. Data flagged with "R" are unusable. In some cases the flag "UJ" may be used to mean that the compound was analyzed for, but was not detected, and the associated value is an estimate and may be inaccurate or imprecise. Data qualifier flags were not assigned to data that were totally in compliance with Quality Control requirements.

For organic data, specifically VOCs, the positive and undetected (U) results were qualified as estimated (J/UJ) if one surrogate compound was detected outside acceptable recovery limits and/or the recovery was greater than 10 percent. If the recoveries of one surrogate compound were less than 10 percent, then the positive results were qualified as estimated (J) and the undetected results were rejected (R).

Results of SVOC are validated in the same manner as VOC except that qualifiers are applied to results with two or more surrogate compounds detected outside the acceptable recovery limits for each fraction (acid and base neutral extractable compounds).

Results for individual metals were qualified if percent recoveries for MS/MSD samples are low or outside acceptable recovery limits. If MS/MSD recoveries were greater than 125 percent, the positive results are acceptable (no qualifiers applied) and the undetected results were qualified as estimated (UJ). If percent recoveries of MS/MSD samples were between 30-74 percent, both the positive and undetected results were qualified as estimated (J/UJ). If recoveries were less than 30 percent, positive results were qualified as estimated (J) and undetected results are rejected (R).

3.3 Qualified Results

Volatile Organics - One soil sample exhibited a slightly high surrogate recovery for dibromofluoromethane and two soil samples exhibited a slightly high surrogate recovery for 4-bromofluorobenzene. Detects for all associated samples were qualified as estimated (J), non-detects were not qualified.

Semivolatile Organics - One soil sample exhibited slightly low surrogate recoveries for 2-fluorophenol and 2-fluorobiphenyl. Detects for all associated samples were qualified as estimated (J), non-detects as (UJ).

Gasoline Range Organics - Two matrix spiked soil samples exhibited slightly low recoveries for GRO. Detects for all associated samples were qualified as estimated (J), non-detects as (UJ). Twelve soil samples exhibited slightly low surrogate recoveries for trifluorotoluene. Detects for all associated samples were qualified as estimated (J), non-detects as (UJ).

Diesel Range Organics - Two matrix spiked soil samples exhibited zero recovery for DRO due to matrix interference. Detects for all associated samples were qualified as estimated (J), non-detects (PDO-SB0602, PDO-SB0702, PDO-SB0801, PDO-SB17, PDO-SB0901 & PDO-SB0902), as rejected (R).

Priority Pollutant Metals - Four antimony, one arsenic, one lead and one selenium matrix spiked soil samples exhibited very low matrix spike recoveries. Detects for all associated samples were qualified as estimated (J), non-detects were rejected (R). One copper, two lead and three selenium matrix spiked soil samples exhibited slightly low matrix spike recoveries. Detects for all associated samples were qualified as estimated (J), non-detects were qualified as (UJ). One chromium matrix spiked soil sample exhibited a high recovery. Detects for the chromium sample were qualified as estimated (J), non-detects were not qualified.

Radionuclides - Five gross alpha and three gross beta matrix spiked soil samples exhibited high matrix spike recoveries. Detects for associated samples were qualified as estimated (J), non-detects were not qualified.

4.0 PROBLEMS ENCOUNTERED

The problems encountered during sample analysis for this investigation are described in detail below. Analytical data that did not meet the QC requirements were qualified as stated in Section 3.3.

4.1 Holding Times

No problems were present regarding hold times.

4.2 Surrogate Recovery

No problems outside of occasional sample result qualification were encountered.

4.3 Precision (% RPD)

No problems outside of occasional sample result qualification were encountered.

4.4 Field Duplicates

In addition to the matrix spike sample, field duplicates were collected to assess sampling precision. Six duplicate samples were collected at a frequency of approximately 10%, one for every ten field samples (rounded up), per matrix, per site, per sampling event. Field duplicates were within quality control RPD limits for 99% of the parameters analyzed. Sample duplicate precision is indicative that these data are comparable and representative of field conditions.

4.5 Equipment Rinsates

The equipment was cleaned as required and rinsed with pesticide grade isopropanol and air dried. One equipment rinsate was sampled during this investigation using laboratory supplied, organic free, deionized water. No contaminants were detected in the equipment blank.

4.6 Laboratory Blanks

All laboratory blanks were analyzed and found to be free of contaminants at and above the reporting limits. Acetone was detected well below the reporting limit for seven method blanks. Bromomethane and toluene were also detected well below the reporting limit for one other blank. No qualifiers were required.

4.7 Laboratory Control Standards

All laboratory control standards were within required control limits, with the exception of four slightly high RPD's. No qualifiers were required.

5.0 SUMMARY OF DATA QUALITY

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of > 95% completeness. The results of the data validation indicate the overall quality of the data is within QC limits and is acceptable to verify or deny any contamination present in the soil at this site.

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DATA QUALITY SUMMARY REPORT

Hunter Army Airfield - PDO Yard

November 20, 1996

1.0 INTRODUCTION

Metcalf & Eddy, Inc. was contracted by the United States Army Corps of Engineers, Savannah District, to perform a site investigation at the former Hunter Army Airfield. The purpose of this investigation is to determine the extent of contamination present in the soil and groundwater at this site.

Metcalf & Eddy, Inc. contracted with Savannah Laboratories to perform the required analyses of soil samples. The analytical data received was validated according to USEPA National Functional Guidelines for Organics Data Review and Inorganics Analysis. This guidance follows the Quality Assurance (QA)/Quality Control (QC) requirements outlined in the USEPA's Test Methods for Evaluating Solid Waste (EPA SW-846). Overall these guidelines mimic the most current editions of the EPA's Functional Guidelines for Reviewing Organic and Inorganic Analyses conducted outside the EPA's Contract Laboratory Program (CLP).

The following sections of this Data Quality Summary Report discuss the laboratory reporting, data validation, problems encountered and corrective actions as applied to the samples and data collected during this determination.

1.1 Field Samples and Analysis

The following report summarizes the validation findings of the samples included in the Sample Data Groups listed below.

<i><u>SDG</u></i>	<i><u>Date</u></i>	<i><u>Matrix</u></i>	<i><u>Samples</u></i>	<i><u>Field Duplicates</u></i>	<i><u>Trip Blanks</u></i>	<i><u>Equipment Blanks</u></i>
HAA39	09/16/96	SOIL	14	2	0	0
HAA40	09/18/96	WATER	14	2	0	1
HAA42	09/18/96	SOIL	3	1	0	0

Samples were analyzed by Savannah Laboratories - Tallahassee, Florida using the following USEPA SW-846 Methods:

6000/7000	Priority Pollutant Metals
8015M	Gasoline Range Organics
8015M	Diesel Range Organics
8260	Volatile Organic Compounds (GC/MS)
8270	Semivolatile Organic Compounds (GC/MS)
9310	Gross alpha & beta

Forteen water and seventeen soil samples, five field duplicates and one equipment blank were analyzed. All samples were not analyzed by all methods. All soil sample results were reported on a dry weight basis.

2.0 LABORATORY REPORTING

2.1 Laboratory Blanks

Laboratory blanks or method blanks are artificial samples prepared from the same matrix type as the samples to be analyzed. These blanks are taken through sample preparation and analyzed before the field samples to determine if the glassware, sample preparation or laboratory environment has contaminated the field samples.

All laboratory blanks for all methods of analysis of soils were free of contaminants at and above the method reporting limits.

2.2 Laboratory Control Samples (% Recovery)

Laboratory control samples are artificial samples prepared from the same matrix type as the samples to be analyzed. These samples are processed through sample preparation and analyzed to assess the performance of each analytical system that the laboratory using to analyze the field samples.

All laboratory control samples for all methods of analysis of soils were within required control limits.

2.3 Precision (% RPD)

Laboratory precision is evaluated by calculating the relative percent difference (RPD) between the values reported for a matrix spiked sample (MS) and its duplicate, the matrix spiked duplicate (MSD), or any other set of duplicate parameters. The following equation is utilized for this calculation:

$$RPD = \frac{|V_s - V_d|}{[V_s + V_d] / 2} \times 100$$

Where V_s is the value reported for the matrix spiked sample (MS) and V_d is the value reported for it's duplicate (MSD). Sample RPDs are compared to the analyzing laboratory's precision control limits which are primarily derived from their in-house quality control data.

RPDs for all methods of analysis of spiked soil samples were within required control limits with the exception of one sample analyzed for antimony. No qualifiers were applied.

RPDs of field duplicates for all methods of analysis of soils were within the required control limits with the exception of one sample analyzed for each of the following; arsenic, copper, mercury, zinc, volatile organics, DRO and gross beta. Two samples exhibited slightly high RPD's for chromium, lead and semivolatile organics. No qualifiers were applied.

2.4 Surrogate Recovery

Surrogates are compounds similar to analytes of interest but are not normally found in environmental samples. Prior to sample preparation and analysis, surrogates are spiked into laboratory control samples, calibration and check standards, matrix spiked samples and field samples. Accuracy is measured by calculating percent recoveries for each surrogate as follows:

$$\%R = \frac{\text{Concentration of spike found}}{\text{Concentration of spike added}} \times 100$$

Slightly low surrogate recovery was exhibited for three soil samples analyzed for GRO. Slightly high surrogate recovery was exhibited for one sample analyzed for volatile organics. Zero surrogate recovery was exhibited for one semivolatile and two DRO samples due to required dilutions. All other surrogate recoveries were within the required control limits. See Section 3.3 for sample data qualifications.

2.5 Holding Time

Holding time is the storage time allowed between sample collection and sample analysis when the designated preservation and storage techniques are employed.

All samples were within required holding times for all methods of analysis except for two sediment samples that were less than eight hours out of hold time. No qualifiers were applied.

2.6 Temperature

Cooler receipts indicate that the laboratory received all samples at the correct temperature.

2.7 Completeness

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of >99% completeness.

3.0 DATA VALIDATION

The objective when evaluating the quality of chemical data is to determine its usability. The evaluation is based upon the interpretation of the laboratory QC data, the field QC data, and the project Data Quality Objectives (DQOs). The evaluation process is often termed "data validation".

3.1 Laboratory Data Validation

Laboratory data were evaluated to assess , holding times, laboratory blanks, laboratory control samples, surrogate recoveries, and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). These criteria were used to evaluate the bias and precision of the data generated by the laboratory. The bias of the laboratory data was assessed through consideration of the following:

- Adherence to the prescribed method
- Recovery of MS/MSD from field samples
- Method blank contamination
- Adherence to sample preparation and holding times
- Recovery of surrogate spikes

Field duplicate precision

3.2 Definition of Data Qualifiers

During the data validation process, all laboratory data had to be evaluated and assigned a data qualifier, as applicable. These qualifiers are defined in the 1991 EPA document titled, "National Functional Guidelines for Organic Data Review." This guidance follows the Quality Assurance (QA)/Quality Control (QC) requirements outlined in the USEPA's Test Methods for Evaluating Solid Waste (EPA SW-846). Overall these guidelines mimic the most current editions of the EPA's Functional Guidelines for Reviewing Organic and Inorganic Analyses conducted outside the EPA's Contract Laboratory Program (CLP).

The guidance also describes procedures to be followed when qualifying data. The data qualifiers are defined as follows:

When the compound was analyzed for, but was not detected above the level of the associated value, a "U" was used to flag the compounds. A flag of "J" is usually used when the associated value is an estimated quantity. Data flagged with "R" are unusable. In some cases the flag "UJ" may be used to mean that the compound was analyzed for, but was not detected, and the associated value is an estimate and may be inaccurate or imprecise. Data qualifier flags were not assigned to data that were totally in compliance with Quality Control requirements.

For organic data, specifically VOCs, the positive and undetected (U) results were qualified as estimated (J/UJ) if one surrogate compound was detected outside acceptable recovery limits and/or the recovery was greater than 10 percent. If the recoveries of one surrogate compound were less than 10 percent, then the positive results were qualified as estimated (J) and the undetected results were rejected (R).

Results of SVOC are validated in the same manner as VOC except that qualifiers are applied to results with two or more surrogate compounds detected outside the acceptable recovery limits for each fraction (acid and base neutral extractable compounds).

Results for individual metals were qualified if percent recoveries for MS/MSD samples are low or outside acceptable recovery limits. If MS/MSD recoveries were greater than 125 percent, the positive results are acceptable (no qualifiers applied) and the undetected results were qualified as estimated (UJ). If percent recoveries of MS/MSD samples were between 30-74 percent, both the positive and undetected results were qualified as estimated (J/UJ). If recoveries were less than 30 percent, positive results were qualified as estimated (J) and undetected results are rejected (R).

3.3 Qualified Results

Volatile Organics - Three soil samples exhibited slightly high surrogate recoveries for 4-bromofluorobenzene and one soil sample exhibited a slightly high surrogate recovery for all four surrogates. Detects for all associated samples were qualified as estimated (J), non-detects were not qualified.

Samples PDO-GW0201, PDO-GW2401 and PDO-GW2501 results for methylene chloride were qualified as nondetect (U) due to sample concentrations < 10 times the concentration detected in the associated equipment blank.

Semivolatile Organics - One soil sample exhibited zero surrogate recoveries for all six surrogates due to required dilutions. Detects for all associated samples were qualified as estimated (J), non-detects were not qualified.

Gasoline Range Organics - One matrix spiked soil sample exhibited a slightly low recovery for GRO. Detects for all associated samples were qualified as estimated (J), non-detects as (UJ).

Three soil samples exhibited slightly low surrogate recoveries for trifluorotoluene. Detects for all associated samples were qualified as estimated (J), non-detects as (UJ).

Diesel Range Organics - Two matrix spiked soil samples exhibited zero recovery for DRO due to required dilutions. Detects for all associated samples were qualified as estimated (J), non-detects were not qualified.

Priority Pollutant Metals - One antimony matrix spiked soil sample exhibited very low matrix spike recovery. Detects for all associated samples were qualified as estimated (J), non-detects were rejected (R). One selenium matrix spiked soil sample exhibited slightly low matrix spike recovery. Detects for all associated samples were qualified as estimated (J), non-detects were qualified as (UJ).

Radionuclides - One gross alpha matrix spiked soil sample exhibited high matrix spike recoveries. Detects for associated samples were qualified as estimated (J), non-detects were not qualified.

4.0 PROBLEMS ENCOUNTERED

The problems encountered during sample analysis for this investigation are described in detail below. Analytical data that did not meet the QC requirements were qualified as stated in Section 3.3.

4.1 Holding Times

No problems were present regarding hold times. Two sediment samples were less than eight hours out of hold time. No qualifiers were applied.

4.2 Surrogate Recovery

No problems outside of occasional sample result qualification were encountered.

4.3 Precision (% RPD)

No problems outside of occasional sample result qualification were encountered.

4.4 Field Duplicates

In addition to the matrix spike sample, field duplicates were collected to assess sampling precision. Six duplicate samples were collected at a frequency of approximately 10%, one for every ten field samples (rounded up), per matrix, per site, per sampling event. Field duplicates were within quality control RPD limits for 99% of the parameters analyzed. Sample duplicate precision is indicative that these data are comparable and representative of field conditions.

4.5 Equipment Rinsates

One equipment rinsate was sampled during this investigation and methylene chloride was detected at a concentration of 250 ug/L. A 50X dilution was analyzed and methylene chloride was again detected at a concentration of 210 ug/L. Applying the 10X rule, all associated samples that methylene chloride was detected at < 2100 ug/L were qualified as nondetect (U), and all associated samples that methylene chloride was detected at > = 2100 ug/L were not qualified.

4.6 Laboratory Blanks

All laboratory blanks were analyzed and found to be free of contaminants at and above the reporting limits. A few volatiles were detected well below the reporting limit for three method blanks. No qualifiers were required.

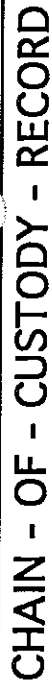
4.7 Laboratory Control Standards

All laboratory control standards were within required control limits.

5.0 SUMMARY OF DATA QUALITY

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of > 95% completeness. The results of the data validation indicate the quality of the data is within QC limits and is acceptable to verify or deny any contamination present in the soil at this site.

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Hunter AAF

617836-4103

SA. Labs

E. *Rawls*

SAMPLE EVENT: HAND AUGER BRINGS

PROGRAM TYPE:

SAMPLER(S) SIGNATURE:

[illegible]

Relinquished by:
(Signature)

Date/Time:

Revised 10/28

22

Relinquished by: A. Forcell
(Signature)

Date/Time: 8-29-86/1230

Received by: R. J. Bonds

Date/Time: 8-29-86/1230

Remarks: * Note color temp in COC

✓ We for MS/MSD
 Dr Wayne Vermack 9/3/96 (Rd)
 AIRBILL CO.

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

32000

ANALYTICAL PARAMETERS/METHODS

VOCS	8260	X	X	X	X						
SVOC	8270	X	X	X	X						
METALS	6009	X	X	X	X						
	ICP										
	Hg										
	CVAA										
	GFAA										
HERBICIDES											
PESTICIDES											
PCB											
TPH/DRO	8100m	X	X	X	X						
GRO	8015m	X	X	X	X						
Gross Alpha/Beta		X	X	X	X						

Cooler Temperature:

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE Y/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative

C. Hettenger

FAX #

404/872-3161

SUBCONTRACTOR

P. Bonds

PROJECT #

56-85014

SAMPLE CUSTODIAN

P. Bonds

TODAY'S DATE

8-29-96

DATE/TIME SAMPLES RECEIVED

8-29-96 / 12:30pm

AIRBILL NUMBER

NO. OF COOLERS
IN SHIPMENT

1

COOLER OPENED: DATE

8-29-96

TIME

1:45pm

CHAIN OF CUSTODY SEAL INTACT?

YES



NO



CHAIN OF CUSTODY PROVIDED?

YES



NO



SAMPLE LABELS PRESENT?

YES



NO



BOTTLE LABELS CORRESPOND W/COC? YES



NO



TYPE OF COLLANT USED

Wet ice

COOLANT CONDITION: MELTED

PARTIALLY MELTED/FROZEN

FROZEN

COOLER NUMBER

#

#1

TEMP INSIDE COOLER

0.1

#

#

#

#

RECORD TEMPERATURE BLANK (1)

0.1

(2)

(3)

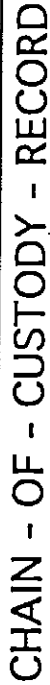
CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

PDS - HA0101, HA0102, HA0201, HA0202, HA0301, HA0302

LIST SAMPLE ID'S IN EACH SHIPMENT:

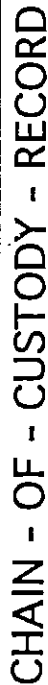
(1)



SAMPLER(S) SIGNATURE:

Method No.

TRACKING NO:



TASK ORDER NO.

SAMPLE EVENT: HAND AUGER BORINGS

PROGRAM TYPE:

SAMPLER(S) SIGNATURE:

[illegible]

Date/Time:

SL0-85493

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

(404) 881-8010, FAX (404) 872-3161

ANALYTICAL PARAMETERS/METHODS

[illegible]

Cooler Temperature:

30

STANDARD PRESERVATION (Y):

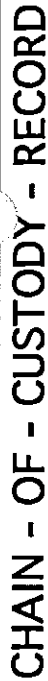
 $(H)^+ : HCl/HOCl$

(N) $\text{HNO}_3/\text{METALS}$

$$\text{H}_2\text{SO}_4 \text{ (s)}$$

(c) OTHER:

STORED/SHIPPED IN ICE Y/N



CHAIN - OF - CUSTODY - RECORD

TASK ORDER NO.

SAMPLE EVENT:

PROGRAM TYPE:

SAMPLER(S) SIGNATURE:

DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT)	NO. OF CONTS	STANDARD PRESERV. (Y/N)	FILTERED (L) LAB (F) FIELD
8-26-90	0835	S	PDO-MWB0101	PDO-MWB01	PPO	0/2	4	N	
"	0845	S	PDO-MWB0102	"	PPO	2/4	4	N	
"	1015	S	PDO-MWB0201	PDO-MWB02	PPO	2/4	4	N	
"	1025	S	PDO-MWB0202	"	PPO	4/6	4	N	
4	1025	S	PDO-MWB05	"	PD11	4/6	3	N	
"	1330	S	PDO-MWB0301	PDO-MWB03	PPO	0/2	4	N	
"	1340	S	PDO-MWB0302	" "	PPO	2/4	4	N	
8-27-90	0755	S	PDO-MWB0401	PDO-MWB04	PPO	0/2	4	N	
"	0805	S	PDO-MWB0402	"	PPO	2/4	4	N	
		w	Tend Blank			/			
						/			
						/			

Relinquished by:
(Signature)

Date/Time:

Received by:

Data/Time:

Cooler Temperature:

Remarks: * Note center trend on C/C.

* Use PBO-mwB0301 Q5 mS/mSD

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

AIRBILL CO.

200

TRACKING NO:

(404) 881-8010. FAX (404) 872-3161

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE Y/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative C. Hettinger

FAX # (404) 872-3161

SUBCONTRACTOR SAV. LABS

PROJECT # Hunter 3

SAMPLE CUSTODIAN A. Campbell 812-850026

TODAY'S DATE 8/27/96

DATE/TIME SAMPLES RECEIVED 8/27/96 11:10

AIRBILL NUMBER _____

NO. OF COOLERS
IN SHIPMENT

COOLER OPENED: DATE 8/27/96 TIME 11:10

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED Wet Ice

COOLANT CONDITION: MELTED _____

PARTIALLY MELTED/FROZEN ☒

FROZEN _____

COOLER NUMBER #

1

TEMP INSIDE COOLER

1.6°C

#

#

#

#

RECORD TEMPERATURE BLANK (1) 1.6°C

(2) _____

(3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-mwB0101, PDO-mwB0102, PDO-mwB0202, PDO-mwB0205, PDO-mwB0301, PDO-mwB0302, PDO-mwB0401, PDO-mwB0402.

(1)



SAMPLER(S) SIGNATURE:

Method No.
$$\supset$$

Cooler Temperature:

TRACKING NO:

STORED/SHIPPED IN ICE ☒ Y ☐ N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR SAV. LABS PROJECT # Hunter 3
SAMPLE CUSTODIAN P. Bonds A 56-84811 TODAY'S DATE 8-16-96
DATE/TIME SAMPLES RECEIVED 8-15-96 6:00 pm
AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT

--	--

COOLER OPENED: DATE 8-16-96 TIME 8:00 am

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED Wet ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED FROZEN _____

FROZEN _____

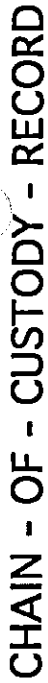
COOLER NUMBER # #1 TEMP INSIDE COOLER 0.1

RECORD TEMPERATURE BLANK (1) 0.1 (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-ER01, PDO-SB0101, SB0102, SB0201
SB0202, SB0301, SB0302

[illegible]

FAX (404) 872-3161

0.

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative _____ FAX # _____

SUBCONTRACTOR _____ PROJECT # _____

SAMPLE CUSTODIAN R. Bonds B Sl - 8/11 TODAY'S DATE _____

DATE/TIME SAMPLES RECEIVED 8-15-96, 6:00 pm

AIRBILL NUMBER _____

NO. OF COOLERS
IN SHIPMENT

--	--

COOLER OPENED: DATE 8-16-96 TIME 8:00 am

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED Wet ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/BROZEN _____

FROZEN _____

COOLER NUMBER # 2 TEMP INSIDE COOLER 0.1

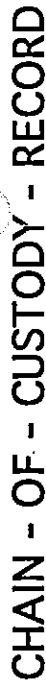
RECORD TEMPERATURE BLANK (1) 0.1 (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDD-SB0401, SB0402, SB0501, SB0502, SB0503, PDD-SB16

00032



SAMPLER(S) NAME: G. Rowell

SAMPLER(S) SIGNATURE:

Method No.[illegible]

Cooler Temperature:

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE Y/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR SAV. LABS PROJECT # Hunter 3
SAMPLE CUSTODIAN A. Campbell 56-84846 TODAY'S DATE 8/17/96
DATE/TIME SAMPLES RECEIVED 8/16/96 5:35

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 1

COOLER OPENED: DATE 8/17/96 TIME 9:50

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED Wet Ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN ☒

FROZEN _____

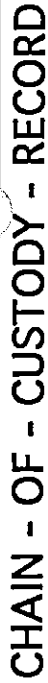
COOLER NUMBER # 1 TEMP INSIDE COOLER 1.1°C

RECORD TEMPERATURE BLANK (1) 1.1°C (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SB0601, PDO-SB0602, PDO-SB0701,
PDO-SB0702, PDO-SB0801, PDO-SB17, PDO-SB0901, PDO-SB0902,
PDO-TB01, PDO-HPW001, PDO-HPW002, 1310-HPW001, 1310-HPW002,
1310-HPW003, 1310-HPW004, 1310-HPW007.



CHAIN - OF - CUSTODY - RECORD

SAMPLER(S) NAME: G. Powell

SAMPLER(S) SIGNATURE: Y. Rawell

Method No.

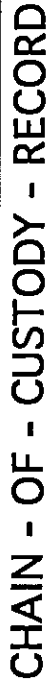
ANALYTICAL PARAMETERS		METHODS			
VOCS	8260	X	X	X	X
SVOC	8270	X	X	X	X
METALS	6000/7000	X	X	X	X
ICP					
Hg					
CVAA					
GFAA					
HERBICIDES					
PESTICIDES					
PCB					
TPH/DRO	8100m	X	X	X	X
GRO	8015m	X	X	X	X
Stress Alpha/Beta		X	X	X	X

Remarks: * Note cooler temp on C-O-C

1.0

(H)	HCl/VOC,	
(N)	HNO ₃ /METALS	
(S)	H ₂ SO ₄ /	
(O)	OTHER _____	
		STORED/SHIPPED _____

00000



CHAIN - OF - CUSTODY - RECORD

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STANDARD PRESERVATION (Y): _____ STORED/SHIPPED IN ICE Y: _____

[illegible]



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR SAV. LABS PROJECT # Hunter 3
SAMPLE CUSTODIAN Beverly Nelly 8-84862 (A) TODAY'S DATE 8-19-96
DATE/TIME SAMPLES RECEIVED 8-19-96 10:56am
AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 3

COOLER OPENED: DATE 8-19-96 TIME 11:00am

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED Wet Ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN frozen

FROZEN _____

COOLER NUMBER # A TEMP INSIDE COOLER 1.3

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SA1001, PDO-SB1002, PDO-SB1101, PDO-SB1102, PDO-SB1201, PDO-SB1202, PDO-SB1301, PDO-SB1302, PDO-SB18



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00038

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR SAV. LABS PROJECT # Hunter 3
SAMPLE CUSTODIAN Priestly, T. 56-848602 @ TODAY'S DATE 8-19-96
DATE/TIME SAMPLES RECEIVED 8-19-96 10:56am

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 3

COOLER OPENED: DATE 8-19-96 TIME 11:00am

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED 120 + 100

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN _____

FROZEN 120 + 100

COOLER NUMBER # C TEMP INSIDE COOLER 1.3

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SB1001, PDO-SB1002, PDO-SB1101,
PDO-SB1102, PDO-SB1201, PDO-SB1202, PDO-SB1301, PDO-
SB1302, PDO-SB18



HUNTER ARMY AIRFIELD PDO YARD

Page: 1A of 5K

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA01		PDO-HA01		PDO-HA02		PDO-HA02		PDO-HA03		PDO-HA03	
	SAMPLE ID		PDO-HA0101		PDO-HA0102		PDO-HA0201		PDO-HA0202		PDO-HA0301		PDO-HA0302	
	DATE		08/29/96		08/29/96		08/29/96		08/29/96		08/29/96		08/29/96	
	DEPTH (ft)		1.00		5.00		1.00		4.00		1.00		5.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Acetone	(mg/kg)	<0.058	<0.060	<0.052	<0.060	<0.052	<0.060	<0.056	<0.060	<0.056	<0.058	<0.058	<0.058	<0.058
Benzene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Bromodichloromethane	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Bromoform	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Bromomethane	(mg/kg)	<0.012	<0.012	<0.010	<0.012	<0.010	<0.012	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012
2-Butanone (MEK)	(mg/kg)	<0.029	<0.030	<0.026	<0.030	<0.026	<0.030	<0.028	<0.030	<0.028	<0.029	<0.029	<0.029	<0.029
Carbon disulfide	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Carbon tetrachloride	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Chlorobenzene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Chloroethane	(mg/kg)	<0.012	<0.012	<0.010	<0.012	<0.010	<0.012	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012
2-Chloroethylvinyl ether	(mg/kg)	<0.058	<0.060	<0.052	<0.060	<0.052	<0.060	<0.056	<0.060	<0.056	<0.058	<0.058	<0.058	<0.058
Chloroform	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Chloromethane	(mg/kg)	<0.012	<0.012	<0.010	<0.012	<0.010	<0.012	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012
Dibromochloromethane	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
1,1-Dichloroethane	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
1,2-Dichloroethane	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
1,1-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
cis-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
trans-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
1,2-Dichloropropane	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
cis-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
trans-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Ethyl benzene	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
2-Hexanone	(mg/kg)	<0.029	<0.030	<0.026	<0.030	<0.026	<0.030	<0.028	<0.030	<0.028	<0.029	<0.029	<0.029	<0.029
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.029	<0.030	<0.026	<0.030	<0.026	<0.030	<0.028	<0.030	<0.028	<0.029	<0.029	<0.029	<0.029
Methylene chloride	(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0052	<0.0060	<0.0056	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058
Values represent total concentrations unless noted	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---	< = Not detected at indicated reporting limit	---
() = Less than Reporting Limit														

00039

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

RCL 8000HSLS

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA01		PDO-HA01		PDO-HA02		PDO-HA02		PDO-HA03		PDO-HA03	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Styrene				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
1,1,2,2-Tetrachloroethane				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
Tetrachloroethene				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
Toluene				(mg/kg)	<0.0058	<0.0060	[0.0018]	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
1,1,1-Trichloroethane				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
1,1,2-Trichloroethane				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
Trichloroethene				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
Vinyl Acetate				(mg/kg)	<0.012	<0.012	<0.010	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012
Vinyl Chloride				(mg/kg)	<0.012	<0.012	<0.010	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012
m&p-Xylene				(mg/kg)	<0.0058	<0.0060	<0.0052	<0.0060	<0.0056	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
Acenaphthylene				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Anthracene				(mg/kg)	<0.38	<0.40	(0.014)	<0.40	(0.0091)	<0.38	<0.38	<0.38	<0.38	<0.38
Benidine				(mg/kg)	<3.2	<3.2	<2.8	<3.2	<3.0	<3.1	<3.1	<3.1	<3.1	<3.1
Benzo(a)anthracene				(mg/kg)	(0.053)	<0.40	(0.093)	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Benzo(a)pyrene				(mg/kg)	<0.38	<0.40	(0.11)	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Benzo(g,h,i)perylene				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Benzo(k)fluoranthene				(mg/kg)	<0.38	<0.40	(0.13)	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Bis(2-chloroethoxy) methane				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Bis(2-chloroethyl)ether				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Bis(2-chloroisopropyl) ether				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Bis(2-ethylhexyl)phthalate				(mg/kg)	<0.38	<0.40	(0.098)	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
4-Bromophenyl phenylether				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Benzo(b)fluoranthene				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38
Benzoic acid				(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0
Benzy alcohol				(mg/kg)	<0.38	<0.40	<0.34	<0.40	<0.36	<0.38	<0.38	<0.38	<0.38	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00040

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-HA01	PDO-HA01	PDO-HA01	PDO-HA02	PDO-HA02	PDO-HA03	PDO-HA03
	SAMPLE ID	PDO-HA0101	PDO-HA0102	PDO-HA0201	PDO-HA0202	PDO-HA0301	PDO-HA0302	
	DATE	08/29/96	08/29/96	08/29/96	08/29/96	08/29/96	08/29/96	
	DEPTH (ft)	1.00	5.00	1.00	4.00	1.00	5.00	
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	
Butylbenzylphthalate	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
4-Chloroaniline	(mg/kg)	<0.78	<0.80	<0.69	<0.78	<0.73	<0.76	
4-Chloro-3-methylphenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Chlorophenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Chloronaphthalene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
4-Chlorophenyl phenyl ether	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Chrysene	(mg/kg)	(0.078)	<0.40	(0.12)	<0.39	(0.054)	<0.38	
Dibenzo(a,h)anthracene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Dibenzofuran	(mg/kg)	<0.38	<0.40	<0.34	<0.39	(0.062)	<0.38	
Di-n-butyl phthalate	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
1,2-Dichlorobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,4-Dichlorophenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
1,3-Dichlorobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
1,4-Dichlorobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
3,3'-Dichlorobenzidine	(mg/kg)	<0.78	<0.80	<0.69	<0.78	<0.73	<0.76	
Diethyl phthalate	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Dimethylphthalate	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
4,6-Dinitro-2-methylphenol	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
2,4-Dinitrotoluene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,6-Dinitrotoluene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,4-Dinitrophenol	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
Di-n-octylphthalate	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,4-Dimethylphenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Fluoranthene	(mg/kg)	(0.097)	<0.40	(0.14)	<0.39	(0.038)	<0.38	
Fluorene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Hexachlorobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-HA01	PDO-HA01	PDO-HA01	PDO-HA02	PDO-HA02	PDO-HA03	PDO-HA03
SAMPLE ID	PDO-HA0101	PDO-HA0102	PDO-HA0201	PDO-HA0202	PDO-HA0301	PDO-HA0302		
DATE	08/29/96	08/29/96	08/29/96	08/29/96	08/29/96	08/29/96		
DEPTH (ft)	1.00	5.00	1.00	4.00	1.00	5.00		
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary		
Hexachlorobutadiene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Hexachlorocyclopentadiene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Hexachloroethane	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Isophorone	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Methylnaphthalene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Methylphenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Naphthalene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
3-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
4-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
Nitrobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2-Nitrophenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
4-Nitrophenol	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
N-Nitrosodimethylamine	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
N-Nitrosodi-n-propylamine	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Phenanthrene	(mg/kg)	(0.060)	<0.40	(0.080)	<0.39	<0.36	<0.38	
Pentachlorophenol	(mg/kg)	<2.0	<2.0	<1.8	<2.0	<1.8	<2.0	
Phenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
Pyrene	(mg/kg)	(0.12)	<0.40	(0.18)	<0.39	<0.36	<0.38	
1,2,4-Trichlorobenzene	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,4,5-Trichlorophenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	
2,4,6-Trichlorophenol	(mg/kg)	<0.38	<0.40	<0.34	<0.39	<0.36	<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLSLS J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA01		PDO-HA01		PDO-HA02		PDO-HA02		PDO-HA03		PDO-HA03	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
GRO	(mg/kg)	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.18 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J
DRO	(mg/kg)	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	28 J	28 J	28 J	<12 R
Gross Alpha	(pCi/g)	<14	<14	(13+/-8.0) J	<14	<12	<12	<14	<14	<14	<13	<13	<14	<14
Gross Beta	(pCi/g)	<12	<12	22+/-8.2	<12	14+/-7.1	14+/-7.1	(12+/-8.1)	(12+/-8.1)	(12+/-8.1)	<12	<12	<12	<12
Antimony	(mg/kg)	<5.8 J	<5.8 J	<6 J	<6 J	<5.2 J	<5.2 J	<6 J	<6 J	<6 J	<5.6 J	<5.6 J	<5.8 J	<5.8 J
Arsenic	(mg/kg)	1.3	1.3	<1.2	<1.2	1.1	1.1	<1.1	<1.1	<1.1	8.1	8.1	<1.1	<1.1
Beryllium	(mg/kg)	<0.58	<0.58	<0.6	<0.6	<0.52	<0.52	<0.6	<0.6	<0.6	<0.56	<0.56	<0.58	<0.58
Cadmium	(mg/kg)	<0.58	<0.58	<0.6	<0.6	<0.52	<0.52	<0.6	<0.6	<0.6	<0.56	<0.56	<0.58	<0.58
Chromium	(mg/kg)	3.8 J	3.8 J	7.8 J	7.8 J	6.9 J	6.9 J	<1.1	<1.1	<1.1	3.1 J	3.1 J	3.2 J	3.2 J
Copper	(mg/kg)	4.3	4.3	<3	<3	9.1	9.1	<3	<3	<3	8.5	8.5	<3	<3
Lead	(mg/kg)	27 J	27 J	8.6 J	8.6 J	110 J	110 J	4.1 J	4.1 J	4.1 J	24 J	24 J	4.5 J	4.5 J
Mercury	(mg/kg)	0.033	0.033	0.075	0.075	0.044	0.044	0.035	0.035	0.035	0.024	0.024	0.018	0.018
Nickel	(mg/kg)	<4.8	<4.8	<4.8	<4.8	<4.2	<4.2	<4.8	<4.8	<4.8	<4.4	<4.4	<4.6	<4.6
Selenium	(mg/kg)	<1.1 J	<1.1 J	<1.2 J	<1.2 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J
Silver	(mg/kg)	<1.1	<1.1	<1.2	<1.2	<1	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium	(mg/kg)	<1.1	<1.1	<1.2	<1.2	<1	<1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc	(mg/kg)	12	12	<2.4	<2.4	24	24	<2.3	<2.3	<2.3	16	16	<2.3	<2.3

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA04		PDO-HA04		PDO-HA05		PDO-HA05		PDO-HA06	
	SAMPLE ID		PDO-HA0401		PDO-HA0402		PDO-HA0501		PDO-HA0502		PDO-HA0601	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		1.00		2.00		1.00		2.00		1.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Duplicate 1	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Acetone	<0.056		<0.056		(0.0053) J		(0.016)		<0.060		<30	
Benzene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Bromodichloromethane	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Bromoform	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Bromomethane	(mg/kg)		<0.011		<0.011		<0.012		<0.012		<6.0	
2-Butanone (MEK)	(mg/kg)		<0.028		<0.028		<0.032		<0.030		<14	
Carbon disulfide	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Carbon tetrachloride	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Chlorobenzene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Chloroethane	(mg/kg)		<0.011		<0.011		<0.012		<0.012		<6.0	
2-Chloroethylvinyl ether	(mg/kg)		<0.056		<0.057		<0.064		<0.060		<30	
Chloroform	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Chloromethane	(mg/kg)		<0.011		<0.011		<0.012		<0.012		<6.0	
Dibromochloromethane	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
1,1-Dichloroethane	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
1,2-Dichloroethane	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
1,1-Dichloroethene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
cis-1,2-Dichloroethene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
trans-1,2-Dichloroethene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
1,2-Dichloropropane	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
cis-1,3-Dichloropropene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
trans-1,3-Dichloropropene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
Ethyl benzene	(mg/kg)		<0.0056		<0.0058		<0.0064		<0.0060		<3.0	
2-Hexanone	(mg/kg)		<0.028		<0.028		<0.032		<0.030		<14	
Methyl isobutyl ketone (MIBK)	(mg/kg)		<0.028		<0.028		<0.032		<0.030		<14	
Methylene chloride	(mg/kg)		(0.0014)		(0.0012) J		(0.0017)		(0.0020) J		<3.0	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00045

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-HA04	PDO-HA04	PDO-HA05	PDO-HA05	PDO-HA05	PDO-HA05	PDO-HA06
	SAMPLE ID	PDO-HA0401	PDO-HA0402	PDO-HA0501	PDO-HA0502	PDO-HA11	PDO-HA11	PDO-HA0601
	DATE	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96
	DEPTH (ft)	1.00	2.00	1.00	2.00	2.00	2.00	1.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Styrene	(mg/kg)	<0.0056	<0.0058	<0.0064	<0.0060	<3.0	<3.0	<0.0056
1,1,2,2-Tetrachloroethane	(mg/kg)	<0.0056	<0.0058	<0.0064	<0.0060	<3.0	<3.0	<0.0056
Tetrachloroethene	(mg/kg)	<0.0056	<0.0058	<0.0064	0.043 J	<3.0	<3.0	<0.0056
Toluene	(mg/kg)	(0.0012)	(0.00044) J	0.043	3.4 J	(0.53) J	(0.53) J	<0.0056
1,1,1-Trichloroethane	(mg/kg)	<0.0056	<0.0058	<0.0064	<0.0060	<3.0	<3.0	<0.0056
1,1,2-Trichloroethane	(mg/kg)	<0.0056	<0.0058	<0.0064	<0.0060	<3.0	<3.0	<0.0056
Trichloroethene	(mg/kg)	<0.0056	<0.0058	<0.0064	<0.0060	<3.0	<3.0	<0.0056
Vinyl Acetate	(mg/kg)	<0.011	<0.011	<0.012	<0.012	<6.0	<6.0	<0.011
Vinyl Chloride	(mg/kg)	<0.011	<0.011	<0.012	<0.012	<6.0	<6.0	<0.011
m&p-Xylene	(mg/kg)	<0.0056	<0.0058	0.077	5.4 J	20 J	20 J	(0.0010)
Acenaphthylene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	(0.060)
Anthracene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	(0.26) J	(0.26) J	(0.14)
Benidine	(mg/kg)	<3.0	<3.1	<6.9	<32	<64	<64	<3.0
Benzo(a)anthracene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	0.53
Benzo(a)pyrene	(mg/kg)	(0.024)	<0.38	<0.84	<3.9	<7.8	<7.8	0.59
Benzo(g,h,i)perylene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	(0.36)
Benzo(k)fluoranthene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	0.38
Bis(2-chloroethoxy) methane	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	<0.38
Bis(2-chloroethyl)ether	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	<0.38
Bis(2-chloroisopropyl) ether	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	<0.38
Bis(2-ethylhexyl)phthalate	(mg/kg)	<0.36	<0.38	0.93	(1.2) J	<7.8	<7.8	<0.38
4-Bromophenyl phenylether	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<7.8	<0.38
Benzo(b)fluoranthene	(mg/kg)	(0.042)	<0.38	<0.84	<3.9	<7.8	<7.8	0.78
Benzoic acid	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<40	<1.9
Benzyl alcohol	(mg/kg)	<0.36	<0.38	<0.84	(0.047) J	<7.8	<7.8	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLSL

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00046

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA04		PDO-HA04		PDO-HA05		PDO-HA05		PDO-HA05		PDO-HA06	
	SAMPLE ID	DATE	PDO-HA0401	PDO-HA0402	PDO-HA0401	PDO-HA0402	PDO-HA0501	PDO-HA0502	PDO-HA0501	PDO-HA0502	PDO-HA0501	PDO-HA0502	PDO-HA0601	PDO-HA0601
DEPTH (ft)			09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96
RESULT TYPE			Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Butylbenzylphthalate	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
4-Chloroaniline	(mg/kg)		<0.73	<0.76	<0.73	<0.76	<1.6	<7.8	<1.6	<7.8	<16	<0.75	<0.75	<0.75
4-Chloro-3-methylphenol	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2-Chlorophenol	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2-Chloronaphthalene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
4-Chlorophenyl phenyl ether	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
Chrysene	(mg/kg)		[0.035]	<0.38	[0.035]	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	0.61	0.61	0.61
Dibenzo(a,h)anthracene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
Dibenzofuran	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	(0.054)	(0.054)	(0.054)
Di-n-butyl phthalate	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
1,2-Dichlorobenzene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2,4-Dichlorophenol	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
1,3-Dichlorobenzene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
1,4-Dichlorobenzene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
3,3'-Dichlorobenzidine	(mg/kg)		<0.73	<0.76	<0.73	<0.76	<1.6	<7.8	<1.6	<7.8	<16	<0.75	<0.75	<0.75
Diethyl phthalate	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
Dimethylphthalate	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
4,6-Dinitro-2-methylphenol	(mg/kg)		<1.8	<2.0	<1.8	<2.0	<4.4	<20	<4.4	<20	<40	<1.9	<1.9	<1.9
2,4-Dinitrotoluene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2,6-Dinitrotoluene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2,4-Dinitrophenol	(mg/kg)		<1.8	<2.0	<1.8	<2.0	<4.4	<20	<4.4	<20	<40	<1.9	<1.9	<1.9
Di-n-octylphthalate	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
2,4-Dimethylphenol	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38
Fluoranthene	(mg/kg)		[0.042]	<0.38	[0.042]	<0.38	<0.84	(0.32) J	<0.84	(0.32) J	[0.24] J	1.0	1.0	1.0
Fluorene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	(0.31)	<3.9	(0.31)	<3.9	<7.8	(0.047)	(0.047)	(0.047)
Hexachlorobenzene	(mg/kg)		<0.36	<0.38	<0.36	<0.38	<0.84	<3.9	<0.84	<3.9	<7.8	<0.38	<0.38	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

00047

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA04		PDO-HA04		PDO-HA05		PDO-HA05		PDO-HA05		PDO-HA06	
	SAMPLE ID		PDO-HA0401		PDO-HA0402		PDO-HA0501		PDO-HA0502		PDO-HA11		PDO-HA0601	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		1.00		2.00		1.00		2.00		2.00		1.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Duplicate 1		Primary	
Hexachlorobutadiene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Hexachlorocyclopentadiene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Hexachloroethane	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Isophorone	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2-Methylnaphthalene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2-Methylphenol	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Naphthalene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2-Nitroaniline	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<1.9	<1.9	<20	<40	<1.9	<1.9	<1.9	<1.9
3-Nitroaniline	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<1.9	<1.9	<20	<40	<1.9	<1.9	<1.9	<1.9
4-Nitroaniline	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<1.9	<1.9	<20	<40	<1.9	<1.9	<1.9	<1.9
Nitrobenzene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2-Nitrophenol	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
4-Nitrophenol	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<1.9	<1.9	<20	<40	<1.9	<1.9	<1.9	<1.9
N-Nitrosodimethylamine	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
N-Nitrosodi-n-propylamine	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Phenanthrene	(mg/kg)	(0.036)	<0.38	(0.34)	(1.7) J	<7.8	<0.38	<0.38	(1.7) J	<7.8	<0.38	<0.38	<0.38	<0.38
Pentachlorophenol	(mg/kg)	<1.8	<2.0	<4.4	<20	<40	<1.9	<1.9	<20	<40	<1.9	<1.9	<1.9	<1.9
Phenol	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
Pyrene	(mg/kg)	(0.042)	<0.38	(0.40)	(0.70) J	<7.8	<0.38	<0.38	(0.70) J	<7.8	<0.38	<0.38	<0.38	<0.38
1,2,4-Trichlorobenzene	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2,4,5-Trichlorophenol	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38
2,4,6-Trichlorophenol	(mg/kg)	<0.36	<0.38	<0.84	<3.9	<7.8	<0.38	<0.38	<3.9	<7.8	<0.38	<0.38	<0.38	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA04		PDO-HA05		PDO-HA05		PDO-HA05		PDO-HA06	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
GRO	(mg/kg)	<0.2 J										
DRO	(mg/kg)	26										
Gross Alpha	(pCi/g)	<13										
Gross Beta	(pCi/g)	<12										
Antimony	(mg/kg)	<5.6 J										
Arsenic	(mg/kg)	1.3										
Beryllium	(mg/kg)	<0.56										
Cadmium	(mg/kg)	<0.56										
Chromium	(mg/kg)	4.4										
Copper	(mg/kg)	8.4										
Lead	(mg/kg)	120										
Mercury	(mg/kg)	0.062										
Nickel	(mg/kg)	<4.4										
Selenium	(mg/kg)	<1.1 J										
Silver	(mg/kg)	<1.1										
Thallium	(mg/kg)	<1.1										
Zinc	(mg/kg)	20										

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA06		PDO-HA07		PDO-HA07		PDO-HA08		PDO-HA09	
	SAMPLE ID		PDO-HA0602		PDO-HA0701		PDO-HA0702		PDO-HA0801		PDO-HA0802	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		5.00		1.00		5.00		1.00		5.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Acetone	<0.060		<0.056		(0.0097)		<0.058		(0.0086)		<0.056	
Benzene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Bromochloromethane	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Bromoform	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Bromomethane	<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
2-Butanone (MEK)	<0.030		<0.028		<0.030		<0.029		<0.029		<0.028	
Carbon disulfide	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Carbon tetrachloride	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Chlorobenzene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Chloroethane	<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
2-Chloroethylvinyl ether	<0.060		<0.056		<0.060		<0.058		<0.058		<0.056	
Chloroform	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Chloromethane	<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
Dibromochloromethane	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
1,1-Dichloroethane	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
1,2-Dichloroethane	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
1,1-Dichloroethene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
cis-1,2-Dichloroethene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
trans-1,2-Dichloroethene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
1,2-Dichloropropane	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
cis-1,3-Dichloropropene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
trans-1,3-Dichloropropene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
Ethyl benzene	<0.0060		<0.0056		<0.0060		<0.0058		<0.0058		<0.0056	
2-Hexanone	<0.030		<0.028		<0.030		<0.029		<0.029		<0.028	
Methyl isobutyl ketone (MIBK)	<0.030		<0.028		<0.030		<0.029		<0.029		<0.028	
Methylene chloride	<0.0060		(0.0047)		<0.0060		(0.0046)		(0.0055)		(0.0051)	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA06		PDO-HA07		PDO-HA07		PDO-HA08		PDO-HA08		PDO-HA09	
	SAMPLE ID		PDO-HA0602		PDO-HA0701		PDO-HA0702		PDO-HA0801		PDO-HA0802		PDO-HA0901	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		5.00		1.00		5.00		1.00		5.00		1.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Styrene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
1,1,2,2-Tetrachloroethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
Tetrachloroethene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
Toluene	(mg/kg)	(0.0034)	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	(0.00089)	(mg/kg)	(0.0012)	(mg/kg)	(0.0012)	(mg/kg)	(0.0012)
1,1,1-Trichloroethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
1,1,2-Trichloroethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
Trichloroethene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	<0.0056
Vinyl Acetate	(mg/kg)	<0.012	(mg/kg)	<0.011	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.011
Vinyl Chloride	(mg/kg)	<0.012	(mg/kg)	<0.011	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.012	(mg/kg)	<0.011
m&p-Xylene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0060	(mg/kg)	(0.00081)	(mg/kg)	<0.0058	(mg/kg)	<0.0058	(mg/kg)	(0.0011)
Acenaphthylene	(mg/kg)	<0.40	(mg/kg)	(0.040)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Anthracene	(mg/kg)	<0.40	(mg/kg)	(0.036)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Benidine	(mg/kg)	<3.2	(mg/kg)	<3.0	(mg/kg)	<3.2	(mg/kg)	<3.1	(mg/kg)	<3.2	(mg/kg)	<3.2	(mg/kg)	<3.0
Benzo(a)anthracene	(mg/kg)	<0.40	(mg/kg)	(0.19)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	(0.14)
Benzo(a)pyrene	(mg/kg)	<0.40	(mg/kg)	(0.26)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	(0.15)
Benzo(g,h,i)perylene	(mg/kg)	<0.40	(mg/kg)	(0.18)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Benzo(k)fluoranthene	(mg/kg)	<0.40	(mg/kg)	(0.14)	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	(0.14)
Bis(2-chloroethoxy) methane	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Bis(2-chloroethyl)ether	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Bis(2-chloroisopropyl) ether	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Bis(2-ethylhexyl)phthalate	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
4-Bromophenyl phenylether	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Benzo(b)fluoranthene	(mg/kg)	<0.40	(mg/kg)	0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	(0.15)
Benzoic acid	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
Benzyl alcohol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00052

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA06		PDO-HA07		PDO-HA08		PDO-HA09	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Butylbenzylphthalate				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
4-Chloroaniline	PDO-HA0602	09/16/96	5.00	(mg/kg)	<0.80	<0.75	<0.78	<0.76	<0.78	<0.75
4-Chloro-3-methylphenol				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2-Chlorophenol				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2-Chloronaphthalene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
4-Chlorophenyl phenyl ether				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Chrysene				(mg/kg)	<0.40	(0.21)	<0.39	<0.38	<0.38	(0.17)
Dibenzo(a,h)anthracene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Dibenzofuran				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Di-n-butyl phthalate				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
1,2-Dichlorobenzene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2,4-Dichlorophenol				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
1,3-Dichlorobenzene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
1,4-Dichlorobenzene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
3,3'-Dichlorobenzidine				(mg/kg)	<0.80	<0.75	<0.78	<0.76	<0.78	<0.75
Diethyl phthalate				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Dimethyl phthalate				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
4,6-Dinitro,2-methylphenol				(mg/kg)	<2.0	<1.9	<2.0	<2.0	<2.0	<1.9
2,4-Dinitrotoluene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2,6-Dinitrotoluene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2,4-Dinitrophenol				(mg/kg)	<2.0	<1.9	<2.0	<2.0	<2.0	<1.9
Di-n-octylphthalate				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
2,4-Dimethylphenol				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Fluoranthene				(mg/kg)	<0.40	(0.16)	<0.39	(0.014)	<0.38	(0.28)
Fluorene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38
Hexachlorobenzene				(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.38	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00053

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA06		PDO-HA07		PDO-HA07		PDO-HA08		PDO-HA08		PDO-HA09	
	SAMPLE ID		PDO-HA0602		PDO-HA0701		PDO-HA0702		PDO-HA0801		PDO-HA0802		PDO-HA0901	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		5.00		1.00		5.00		1.00		5.00		1.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Hexachlorobutadiene	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Hexachlorocyclopentadiene	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Hexachloroethane	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.40	(mg/kg)	(0.18)	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	(0.074)
Isophorone	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2-Methylnaphthalene	(mg/kg)	<0.40	(mg/kg)	(0.094)	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2-Methylphenol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Naphthalene	(mg/kg)	<0.40	(mg/kg)	(0.046)	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2-Nitroaniline	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
3-Nitroaniline	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
4-Nitroaniline	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
Nitrobenzene	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2-Nitrophenol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
4-Nitrophenol	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
N-Nitrosodimethylamine	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
N-Nitrosodi-n-propylamine	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Phenanthrene	(mg/kg)	<0.40	(mg/kg)	(0.10)	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	(0.0090)	(mg/kg)	<0.38	(mg/kg)	(0.17)
Pentachlorophenol	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9
Phenol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
Pyrene	(mg/kg)	<0.40	(mg/kg)	(0.21)	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	(0.016)	(mg/kg)	<0.38	(mg/kg)	(0.27)
1,2,4-Trichlorobenzene	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2,4,5-Trichlorophenol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
2,4,6-Trichlorophenol	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38
	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.39	(mg/kg)	<0.38	(mg/kg)	<0.38	(mg/kg)	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLSL

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00054

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA06		PDO-HA07		PDO-HA07		PDO-HA08		PDO-HA08		PDO-HA09	
	SAMPLE ID		PDO-HA0602		PDO-HA0701		PDO-HA0702		PDO-HA0801		PDO-HA0802		PDO-HA0901	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96		09/16/96	
	DEPTH (ft)		5.00		1.00		5.00		1.00		5.00		1.00	
	RESULT TYPE		Primary		Primary		Primary		Primary		Primary		Primary	
GRO	(mg/kg)		< 0.21		< 0.2 J		< 0.21		< 0.2		< 0.21		< 0.2 J	
DRO	(mg/kg)		< 12		23		< 12		< 12		< 12		20	
Gross Alpha	(pCi/g)		< 14		< 14		< 14		< 14		< 14		< 14	
Gross Beta	(pCi/g)		19 + /- 7.5		< 12		16 + /- 7.9		< 12		21 + /- 8.0		< 12	
Antimony	(mg/kg)		< 6 J		< 5.6 J		< 6 J		< 5.8 J		< 5.8 J		< 5.6 J	
Arsenic	(mg/kg)		< 1.2		1.8		< 1.1		2.3		< 1.1		1.8	
Beryllium	(mg/kg)		< 0.6		< 0.56		< 0.6		< 0.58		< 0.58		< 0.56	
Cadmium	(mg/kg)		< 0.6		< 0.56		< 0.6		< 0.58		< 0.58		< 0.56	
Chromium	(mg/kg)		6.4		4.6		5.2		3.4		6.5		1.9	
Copper	(mg/kg)		< 3		5.6		< 3		4.8		< 3		< 2.8	
Lead	(mg/kg)		6.3		29		6.4		230		(5.1)		310	
Mercury	(mg/kg)		0.018		0.026		0.023		0.039		0.027		0.042	
Nickel	(mg/kg)		< 4.8		< 4.6		< 4.8		< 4.6		< 4.8		< 4.6	
Selenium	(mg/kg)		< 1.2 J		< 1.1 J		< 1.1 J		< 1.1 J		< 1.1 J		< 1.1 J	
Silver	(mg/kg)		< 1.2		< 1.1		< 1.1		< 1.1		< 1.1		< 1.1	
Thallium	(mg/kg)		< 1.2		< 1.1		< 1.1		< 1.1		< 1.1		< 1.1	
Zinc	(mg/kg)		< 2.4		20		< 2.3		6.8		< 2.3		12	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00055



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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-HA09	PDO-HA10	PDO-HA10	PDO-HA10	PDO-HA10	PDO-HA10	PDO-MW01	PDO-MW01
	SAMPLE ID	PDO-HA0902	PDO-HA1001	PDO-HA1002	PDO-HA10	PDO-HA12	PDO-MWB0101	PDO-MWB0102	
	DATE	09/16/96	09/16/96	09/16/96	09/16/96	09/16/96	08/26/96	08/26/96	
	DEPTH (ft)	3.00	1.00	3.00	3.00	3.00	2.00	4.00	
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	
Acetone	(mg/kg)	(0.022)	(0.0082)	(0.0084)	<0.060	<0.054	<0.057	<0.058	
Benzene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Bromodichloromethane	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Bromoform	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Bromomethane	(mg/kg)	<0.012	<0.012	<0.012	<0.012	<0.010	<0.011	<0.011	
2-Butanone (MEK)	(mg/kg)	<0.029	<0.030	<0.030	<0.030	<0.027	<0.028	<0.028	
Carbon disulfide	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Carbon tetrachloride	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Chlorobenzene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Chloroethane	(mg/kg)	<0.012	<0.012	<0.012	<0.012	<0.010	<0.011	<0.011	
2-Chloroethylvinyl ether	(mg/kg)	<0.058	<0.060	<0.062	<0.060	<0.054	<0.057	<0.057	
Chloroform	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Chloromethane	(mg/kg)	<0.012	<0.012	<0.012	<0.012	<0.010	<0.011	<0.011	
Dibromochloromethane	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
1,1-Dichloroethane	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
1,2-Dichloroethane	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
1,1-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
cis-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
trans-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
1,2-Dichloropropane	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
cis-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
trans-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Ethyl benzene	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
2-Hexanone	(mg/kg)	<0.029	<0.030	<0.030	<0.030	<0.027	<0.028	<0.028	
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.029	<0.030	<0.030	<0.030	<0.027	<0.028	<0.028	
Methylene chloride	(mg/kg)	<0.0058	<0.0060	<0.0061	<0.0060	<0.0054	<0.0058	<0.0058	
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed									
() = Less than Reporting Limit									
METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS J = RESULT IS ESTIMATED R = RESULT IS REJECTED									

00057

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA09		PDO-HA10		PDO-HA10		PDO-HA10		PDO-MW01		PDO-MW01	
	SAMPLE ID		PDO-HA0902		PDO-HA1001		PDO-HA1002		PDO-HA12		PDO-MWB0101		PDO-MWB0102	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		08/26/96		08/26/96	
	DEPTH (ft)		3.00		1.00		3.00		3.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Styrene	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
1,1,2,2-Tetrachloroethane	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
Tetrachloroethene	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
Toluene	<0.0058		<0.0058		<0.0060		<0.0061		(0.0011)		(0.0020)		(0.00068)	
1,1,1-Trichloroethane	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
1,1,2-Trichloroethane	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
Trichloroethene	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		<0.0054		<0.0058	
Vinyl Acetate	<0.012		<0.012		<0.012		<0.012		<0.012		<0.010		<0.011	
Vinyl Chloride	<0.012		<0.012		<0.012		<0.012		<0.012		<0.010		<0.011	
m&p-Xylene	<0.0058		<0.0058		<0.0060		<0.0061		<0.0060		(0.00046)		<0.0058	
Acenaphthylene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Anthracene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzidine	<3.1		<3.1		<3.2		<3.3		<3.2		<3.0		<3.1	
Benzo(a)anthracene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzo(a)pyrene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzo(g,h,i)perylene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzo(k)fluoranthene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Bis(2-chloroethoxy) methane	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Bis(2-chloroethyl)ether	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Bis(2-chloroisopropyl) ether	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Bis(2-ethylhexyl)phthalate	<0.38		<0.38		1.1		<0.40		<0.40		<0.36		<0.38	
4-Bromophenyl phenylether	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzo(b)fluoranthene	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	
Benzoic acid	<2.0		<2.0		<2.0		<2.0		<2.0		<1.8		<2.0	
Benzyl alcohol	<0.38		<0.38		<0.39		<0.40		<0.40		<0.36		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00053

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA09		PDO-HA10		PDO-HA10		PDO-HA10		PDO-MW01		PDO-MW01	
	SAMPLE ID		PDO-HA0902		PDO-HA1001		PDO-HA1002		PDO-HA12		PDO-MWB0101		PDO-MWB0102	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		08/26/96		08/26/96	
	DEPTH (ft)		3.00		1.00		3.00		3.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Butylbenzylphthalate	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
4-Chloroaniline	<0.76		<0.78		<0.81		<0.81		<0.80		<0.72		<0.76	
4-Chloro-3-methylphenol	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2-Chlorophenol	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2-Chloronaphthalene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
4-Chlorophenyl phenyl ether	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Chrysene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Dibenzo(a,h)anthracene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Dibenzofuran	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Di-n-butyl phthalate	<0.38		(0.23)		<0.40		<0.40		<0.40		<0.36		<0.38	
1,2-Dichlorobenzene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2,4-Dichlorophenol	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
1,3-Dichlorobenzene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
1,4-Dichlorobenzene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
3,3'-Dichlorobenzidine	<0.76		<0.78		<0.81		<0.81		<0.80		<0.72		<0.76	
Diethyl phthalate	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Dimethylphthalate	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
4,6-Dinitro-2-methylphenol	<2.0		<2.0		<2.0		<2.0		<2.0		<1.8		<2.0	
2,4-Dinitrotoluene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2,6-Dinitrotoluene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2,4-Dinitrophenol	<2.0		<2.0		<2.0		<2.0		<2.0		<1.8		<2.0	
Di-n-octylphthalate	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
2,4-Dimethylphenol	<0.38		(0.22)		<0.40		<0.40		<0.40		<0.36		<0.38	
Fluoranthene	<0.38		(0.087)		<0.40		<0.40		<0.40		(0.0078)		<0.38	
Fluorene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	
Hexachlorobenzene	<0.38		<0.39		<0.40		<0.40		<0.40		<0.36		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00059

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-HA09	PDO-HA10	PDO-HA10	PDO-HA10	PDO-HA10	PDO-HA10	PDO-MW01	PDO-MW01
	SAMPLE ID	PDO-HA0902	PDO-HA1001	PDO-HA1002	PDO-HA12	PDO-MWB0101	PDO-MWB0102		
	DATE	09/16/96	09/16/96	09/16/96	09/16/96	08/26/96	08/26/96		
	DEPTH (ft)	3.00	1.00	3.00	3.00	2.00	4.00		
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary		
Hexachlorobutadiene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Hexachlorocyclopentadiene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Hexachloroethane	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Isophorone	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
2-Methylnaphthalene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
2-Methylphenol	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
3-Methylphenol/4-Methylphenol (m & p-Creso	(mg/kg)	<0.38	(0.019)	<0.40	<0.40	<0.36	<0.38		
Naphthalene	(mg/kg)	<0.38	(0.018)	<0.40	<0.40	(0.010)	<0.38		
2-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<1.8	<2.0		
3-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<1.8	<2.0		
4-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<1.8	<2.0		
Nitrobenzene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
2-Nitrophenol	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
4-Nitrophenol	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<1.8	<2.0		
N-Nitrosodimethylamine	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
N-Nitrosodi-n-propylamine	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Phenanthrene	(mg/kg)	<0.38	(0.074)	<0.40	<0.40	(0.023)	<0.38		
Pentachlorophenol	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<1.8	<2.0		
Phenol	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
Pyrene	(mg/kg)	<0.38	(0.19)	<0.40	<0.40	<0.36	<0.38		
1,2,4-Trichlorobenzene	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
2,4,5-Trichlorophenol	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		
2,4,6-Trichlorophenol	(mg/kg)	<0.38	<0.39	<0.40	<0.40	<0.36	<0.38		

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-HA09		PDO-HA10		PDO-HA10		PDO-HA10		PDO-HA10		PDO-MW01		PDO-MW01	
	SAMPLE ID		PDO-HA0902		PDO-HA1001		PDO-HA1002		PDO-HA1012		PDO-MWB0101		PDO-MWB0101		PDO-MWB0102	
	DATE		09/16/96		09/16/96		09/16/96		09/16/96		08/26/96		08/26/96		08/26/96	
	DEPTH (ft)		3.00		1.00		3.00		3.00		2.00		2.00		4.00	
	RESULT TYPE		Primary		Primary		Primary		Duplicate 1		Primary		Primary		Primary	
GRO	(mg/kg)	<0.2	<0.2	<0.21	<0.22	<0.21	<0.22	<0.21	<0.21	<0.2 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J	
DRO	(mg/kg)	<12	<12	25	<12	25	<12	<12	<12	18 J	18 J	18 J	18 J	12 J	12 J	
Gross Alpha	(pCi/g)	<14	<14	<14	(12+/-8.5) J	<14	<14	<14	<14	<13	<13	<13	<13	<14	<14	
Gross Beta	(pCi/g)	<12	<12	<13	<14	<13	<14	<14	<14	<12	<12	<12	<12	(11+/-7.8)	(11+/-7.8)	
Antimony	(mg/kg)	<5.8 J	<5.8 J	<6 J	<6.1 J	<6 J	<6.1 J	<6 J	<6 J	<5.4 J	<5.4 J	<5.4 J	<5.4 J	<5.8 J	<5.8 J	
Arsenic	(mg/kg)	1.5	7.0	7.0	<1.2	<1.2	<1.2	<1.2	<1.2	28	28	28	28	1.6	1.6	
Beryllium	(mg/kg)	<0.58	<0.58	<0.6	<0.61	<0.6	<0.61	<0.6	<0.6	<0.54	<0.54	<0.54	<0.54	<0.58	<0.58	
Cadmium	(mg/kg)	<0.58	<0.58	8.5	<0.61	8.5	<0.61	<0.6	<0.6	<0.54	<0.54	<0.54	<0.54	<0.58	<0.58	
Chromium	(mg/kg)	4.1	39	39	1.9	39	1.9	2.9	2.9	2.5	2.5	2.5	2.5	4.6	4.6	
Copper	(mg/kg)	<3	120	120	<3	120	<3	7.8	7.8	3.6	3.6	3.6	3.6	<2.8	<2.8	
Lead	(mg/kg)	140	710	710	9.4	710	9.4	6.7	6.7	13	13	13	13	5.8	5.8	
Mercury	(mg/kg)	0.030	1.4	1.4	0.068	1.4	0.068	0.073	0.073	0.041	0.041	0.041	0.041	0.018	0.018	
Nickel	(mg/kg)	<4.6	19	19	<5	19	<5	<4.8	<4.8	<4.3	<4.3	<4.3	<4.3	<4.6	<4.6	
Selenium	(mg/kg)	<1.1 J	<1.1 J	<1.1 J	<1.2 J	<1.1 J	<1.2 J	<1.2 J	<1.2 J	<1 J	<1 J	<1 J	<1 J	<1.1 J	<1.1 J	
Silver	(mg/kg)	<1.1	<1.1	<1.1	<1.2	<1.1	<1.2	<1.2	<1.2	<1	<1	<1	<1	<1.1	<1.1	
Thallium	(mg/kg)	<1.1	<1.1	<1.1	<1.2	<1.1	<1.2	<1.2	<1.2	<1	<1	<1	<1	<1.1	<1.1	
Zinc	(mg/kg)	<2.3	830	830	11	830	11	51	51	3.8	3.8	3.8	3.8	<2.2	<2.2	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW02		PDO-MW02		PDO-MW02		PDO-MW03		PDO-MW03		PDO-MW04	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Acetone				(mg/kg)	0.084	(0.032)	0.11	<0.054	0.074	<0.052				
Benzene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	(0.0013)	<0.0052				
Bromodichloromethane				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Bromoform				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Bromomethane				(mg/kg)	<0.012	<0.012	<0.012	<0.010	<0.011	<0.010				
2-Butanone (MEK)				(mg/kg)	<0.030	<0.029	<0.029	<0.026	<0.028	<0.026				
Carbon disulfide				(mg/kg)	(0.0019)	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Carbon tetrachloride				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Chlorobenzene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Chloroethane				(mg/kg)	<0.012	<0.012	<0.012	<0.010	<0.011	<0.010				
2-Chloroethylvinyl ether				(mg/kg)	<0.060	<0.058	<0.058	<0.054	<0.057	<0.052				
Chloroform				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Chloromethane				(mg/kg)	<0.012	<0.012	<0.012	<0.010	<0.011	<0.010				
Dibromochloromethane				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
1,1-Dichloroethane				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
1,2-Dichloroethane				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
1,1-Dichloroethene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
cis-1,2-Dichloroethene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
trans-1,2-Dichloroethene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
1,2-Dichloropropane				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
cis-1,3-Dichloropropene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
trans-1,3-Dichloropropene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
Ethyl benzene				(mg/kg)	<0.0060	<0.0058	<0.0058	<0.0053	<0.0058	<0.0052				
2-Hexanone				(mg/kg)	<0.030	<0.029	<0.029	<0.026	<0.028	<0.026				
Methyl isobutyl ketone (MIBK)				(mg/kg)	<0.030	<0.029	<0.029	<0.026	<0.028	<0.026				
Methylene chloride				(mg/kg)	<0.0060	<0.0058	0.036	<0.0053	<0.0058	<0.0052				
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed														
() = Less than Reporting Limit														
METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs J = RESULT IS ESTIMATED R = RESULT IS REJECTED														

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW02		PDO-MW02		PDO-MW02		PDO-MW03		PDO-MW03		PDO-MW04	
	SAMPLE ID		PDO-MW0201		PDO-MW0202		PDO-MW05		PDO-MW0301		PDO-MW0302		PDO-MW0401	
	DATE		08/26/96		08/26/96		08/26/96		08/26/96		08/26/96		08/27/96	
	DEPTH (ft)		4.00		6.00		6.00		2.00		4.00		2.00	
RESULT TYPE	Primary		Primary		Duplicate 1		Primary		Primary		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Styrene	<0.0060		<0.0058		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
1,1,2,2-Tetrachloroethane	<0.0060		<0.0058		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
Tetrachloroethene	<0.0060		(0.0020)		<0.0058		(0.0040)		<0.0058		<0.0052		<0.0052	
Toluene	(0.0015)		(0.0016)		(0.00045)		(0.00074)		(0.0010)		(0.0011)		<0.0052	
1,1,1-Trichloroethane	<0.0060		<0.0058		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
1,1,2-Trichloroethane	<0.0060		<0.0058		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
Trichloroethene	<0.0060		(0.0016)		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
Vinyl Acetate	<0.012		<0.012		<0.012		<0.010		<0.011		<0.010		<0.010	
Vinyl Chloride	<0.012		<0.012		<0.012		<0.010		<0.011		<0.010		<0.010	
m&p-Xylene	<0.0060		<0.0058		<0.0058		<0.0053		<0.0058		<0.0052		<0.0052	
Acenaphthylene	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Anthracene	<0.40		(0.020)		(0.022)		<0.35		<0.38		<0.34		<0.34	
Benzidine	<3.2		<3.1		<3.1		<2.9		<3.1		<2.8		<2.8	
Benzo(a)anthracene	<0.40		(0.039)		(0.055)		<0.35		<0.38		<0.34		<0.34	
Benzo(a)pyrene	<0.40		<0.38		(0.036)		<0.35		<0.38		<0.34		<0.34	
Benzo(g,h,i)perylene	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Benzo(k)fluoranthene	<0.40		<0.38		(0.060)		<0.35		<0.38		<0.34		<0.34	
Bis(2-chloroethoxy) methane	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Bis(2-chloroethyl)ether	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Bis(2-chloroisopropyl) ether	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Bis(2-ethylhexyl)phthalate	<0.40		(0.080)		(0.14)		<0.35		<0.38		<0.34		<0.34	
4-Bromophenyl phenylether	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Benzo(b)fluoranthene	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	
Benzoic acid	<2.0		(0.13)		<2.0		<1.8		(0.070)		<1.8		<1.8	
Benzyl alcohol	<0.40		<0.38		<0.38		<0.35		<0.38		<0.34		<0.34	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSL

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-MW02	PDO-MW02	PDO-MW02	PDO-MW02	PDO-MW03	PDO-MW03	PDO-MW04
	SAMPLE ID	PDO-MWB0201	PDO-MWB0202	PDO-MWB05	PDO-MWB0301	PDO-MWB0302	PDO-MWB0401	
	DATE	08/26/96	08/26/96	08/26/96	08/26/96	08/26/96	08/27/96	
	DEPTH (ft)	4.00	6.00	6.00	2.00	4.00	2.00	
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary	
Butylbenzylphthalate	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
4-Chloroaniline	(mg/kg)	<0.80	<0.76	<0.76	<0.70	<0.76	<0.68	
4-Chloro-3-methylphenol	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2-Chlorophenol	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2-Chloronaphthalene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
4-Chlorophenyl phenyl ether	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
Chrysene	(mg/kg)	<0.40	(0.051)	(0.054)	(0.10)	<0.38	<0.34	
Dibenz(a,h)anthracene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
Dibenzofuran	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
Di-n-butyl phthalate	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
1,2-Dichlorobenzene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2,4-Dichlorophenol	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
1,3-Dichlorobenzene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
1,4-Dichlorobenzene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
3,3'-Dichlorobenzidine	(mg/kg)	<0.80	<0.76	<0.76	<0.70	<0.76	<0.68	
Diethyl phthalate	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
Dimethylphthalate	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
4,6-Dinitro,2-methylphenol	(mg/kg)	<2.0	<2.0	<2.0	<1.8	<2.0	<1.8	
2,4-Dinitrotoluene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2,6-Dinitrotoluene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2,4-Dinitrophenol	(mg/kg)	<2.0	<2.0	<2.0	<1.8	<2.0	<1.8	
Di-n-octylphthalate	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
2,4-Dimethylphenol	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	
Fluoranthene	(mg/kg)	(0.013)	(0.066)	(0.091)	(0.065)	<0.38	(0.047)	
Fluorene	(mg/kg)	<0.40	<0.38	(0.0083)	<0.35	<0.38	<0.34	
Hexachlorobenzene	(mg/kg)	<0.40	<0.38	<0.38	<0.35	<0.38	<0.34	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

SITE	PDO-MW02	PDO-MW02	PDO-MW02	PDO-MW03	PDO-MW03	PDO-MW04
SAMPLE ID	PDO-MWB0201	PDO-MWB0202	PDO-MWB05	PDO-MWB0301	PDO-MWB0302	PDO-MWB0401
DATE	08/26/96	08/26/96	08/26/96	08/26/96	08/26/96	08/27/96
DEPTH (ft)	4.00	6.00	6.00	2.00	4.00	2.00
RESULT TYPE	Primary	Primary	Duplicate 1	Primary	Primary	Primary
CONSTITUENT	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Hexachlorobutadiene	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Hexachlorocyclopentadiene	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Hexachloroethane	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Indeno(1,2,3-cd)pyrene	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Isophorone	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
2-Methylnaphthalene	< 0.40	< 0.38	< 0.38	0.54	< 0.38	< 0.34
2-Methylphenol	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
3-Methylphenol/4-Methylphenol (m & p-Creso	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Naphthalene	< 0.40	(0.013)	(0.011)	(0.27)	< 0.38	< 0.34
2-Nitroaniline	< 2.0	< 2.0	< 2.0	< 1.8	< 2.0	< 1.8
3-Nitroaniline	< 2.0	< 2.0	< 2.0	< 1.8	< 2.0	< 1.8
4-Nitroaniline	< 2.0	< 2.0	< 2.0	< 1.8	< 2.0	< 1.8
Nitrobenzene	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
2-Nitrophenol	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
4-Nitrophenol	< 2.0	< 2.0	< 2.0	< 1.8	< 2.0	< 1.8
N-Nitrosodimethylamine	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
N-Nitrosodi-n-propylamine	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
N-Nitrosodiphenylamine/Diphenylamine	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Phenanthrene	(0.012)	(0.081)	(0.094)	0.37	< 0.38	< 0.34
Pentachlorophenol	< 2.0	< 2.0	< 2.0	< 1.8	< 2.0	< 1.8
Phenol	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
Pyrene	(0.022)	(0.11)	(0.16)	(0.12)	< 0.38	(0.0095)
1,2,4-Trichlorobenzene	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
2,4,5-Trichlorophenol	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34
2,4,6-Trichlorophenol	< 0.40	< 0.38	< 0.38	< 0.35	< 0.38	< 0.34

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00060

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW02		PDO-MW02		PDO-MW02		PDO-MW03		PDO-MW03		PDO-MW04	
	SAMPLE ID		PDO-MWB0201		PDO-MWB0202		PDO-MWB05		PDO-MWB0301		PDO-MWB0302		PDO-MWB0401	
	DATE		08/26/96		08/26/96		08/26/96		08/26/96		08/26/96		08/27/96	
	DEPTH (ft)		4.00		6.00		6.00		2.00		4.00		2.00	
RESULT TYPE	Primary		Primary		Duplicate 1		Primary		Primary		Primary		Primary	
	(mg/kg)		<0.21 J		<0.2 J		<0.2 J		<0.2 J		<0.2 J		<0.18 J	
GRO	(mg/kg)		20 J		29 J		23 J		44 J		20 J		<10 R	
DRO	(mg/kg)		--		--		--		--		--		--	
Gross Alpha	(pCi/g)		<14		<14		--		<12		<14		<12	
Gross Beta	(pCi/g)		<13		<12		--		13 +/-6.6		<12		<11	
Antimony	(mg/kg)		<6 J		<5.8 J		<5.8 J		<5.3 J		<5.8 J		<5.2 J	
Arsenic	(mg/kg)		<1.2		<1.1		<1.1		3.3		<1.1		<1	
Beryllium	(mg/kg)		<0.6		<0.58		<0.58		<0.53		<0.58		<0.52	
Cadmium	(mg/kg)		<0.6		<0.58		<0.58		<0.53		<0.58		<0.52	
Chromium	(mg/kg)		2.0		2.0		1.6		3.4		1.8		2.0	
Copper	(mg/kg)		<3		<3		<3		7.8		<2.8		<2.6	
Lead	(mg/kg)		6.1		4.4		5.0		12		2.7		4.8	
Mercury	(mg/kg)		0.026		0.021		0.015		0.031		0.023		0.012	
Nickel	(mg/kg)		<4.8		<4.6		<4.6		<4.3		<4.6		<4.1	
Selenium	(mg/kg)		<1.2 J		<1.1 J		<1.1 J		<1.1 J		<1.1 J		<1 J	
Silver	(mg/kg)		<1.2		<1.1		<1.1		<1		<1.1		<1	
Thallium	(mg/kg)		<1.2		<1.1		<1.1		<1		<1.1		<1	
Zinc	(mg/kg)		3.8		2.5		<2.3		6.2		<2.2		3.8	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW04		PDO-SB01		PDO-SB01		PDO-SB02		PDO-SB02		PDO-SB03	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Acetone				(mg/kg)	<0.060	<0.058 J	0.21	<0.057	<0.060	<0.057	<0.060	<0.057	<0.057	<0.057
Benzene				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Bromochloromethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Bromoform				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Bromomethane				(mg/kg)	<0.012	<0.012 J	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
2-Butanone (MEK)				(mg/kg)	<0.030	<0.029 J	<0.030	<0.028	<0.030	<0.028	<0.030	<0.028	<0.028	<0.028
Carbon disulfide				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Carbon tetrachloride				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Chlorobenzene				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Chloroethane				(mg/kg)	<0.012	<0.012 J	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
2-Chloroethylvinyl ether				(mg/kg)	<0.060	<0.058 J	<0.060	<0.057	<0.060	<0.057	<0.060	<0.057	<0.057	<0.057
Chloroform				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Chloromethane				(mg/kg)	<0.012	<0.012 J	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Dibromochloromethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
1,1-Dichloroethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
1,2-Dichloroethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
cis-1,2-Dichloroethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
trans-1,2-Dichloroethane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
1,2-Dichloropropane				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
cis-1,3-Dichloropropene				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
trans-1,3-Dichloropropene				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
Ethyl benzene				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058
2-Hexanone				(mg/kg)	<0.030	<0.029 J	<0.030	<0.028	<0.030	<0.028	<0.030	<0.028	<0.028	<0.028
Methyl isobutyl ketone (MIBK)				(mg/kg)	<0.030	<0.029 J	<0.030	<0.028	<0.030	<0.028	<0.030	<0.028	<0.028	<0.028
Methylene chloride				(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	<0.0060	<0.0058	<0.0058	<0.0058

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-MW04	PDO-SB01	PDO-SB01	PDO-SB01	PDO-SB02	PDO-SB02	PDO-SB03
	SAMPLE ID	PDO-MWB0402	PDO-SB0101	PDO-SB0102	PDO-SB0201	PDO-SB0202	PDO-SB0301	
	DATE	08/27/96	08/14/96	08/14/96	08/15/96	08/15/96	08/15/96	
	DEPTH (ft)	4.00	2.00	4.00	2.00	4.00	2.00	
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Styrene	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
1,1,2,2-Tetrachloroethane	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
Tetrachloroethene	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
Toluene	(mg/kg)	(0.00037)	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
1,1,1-Trichloroethane	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
1,1,2-Trichloroethane	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
Trichloroethene	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
Vinyl Acetate	(mg/kg)	<0.012	<0.012 J	<0.012	<0.011	<0.012	<0.011	
Vinyl Chloride	(mg/kg)	<0.012	<0.012 J	<0.012	<0.011	<0.012	<0.011	
m&p-Xylene	(mg/kg)	<0.0060	<0.0058 J	<0.0060	<0.0058	<0.0060	<0.0058	
Acenaphthylene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Anthracene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Benzidine	(mg/kg)	<3.2	<3.1	<3.2	<3.1	<3.2	<3.1	
Benzo(a)anthracene	(mg/kg)	<0.40	1.3	<0.39	<0.38	<0.39	<0.38	
Benzo(a)pyrene	(mg/kg)	<0.40	1.6	<0.39	<0.38	<0.39	<0.38	
Benzo(g,h,i)perylene	(mg/kg)	<0.40	1.3	<0.39	<0.38	<0.39	<0.38	
Benzo(k)fluoranthene	(mg/kg)	<0.40	1.4	<0.39	<0.38	<0.39	<0.38	
Bis(2-chloroethoxy) methane	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Bis(2-chloroethyl)ether	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Bis(2-chloroisopropyl) ether	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Bis(2-ethylhexyl)phthalate	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
4-Bromophenyl phenylether	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	
Benzo(b)fluoranthene	(mg/kg)	<0.40	1.8	<0.39	<0.38	<0.39	<0.38	
Benzoic acid	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Benzyl alcohol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW04		PDO-SB01		PDO-SB01		PDO-SB02		PDO-SB02		PDO-SB03	
	SAMPLE ID		PDO-MW0402		PDO-SB0101		PDO-SB0102		PDO-SB0201		PDO-SB0202		PDO-SB0301	
	DATE		08/27/96		08/14/96		08/14/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		2.00		4.00		2.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Butylbenzylphthalate	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
4-Chloroaniline	<0.80		<0.76		<0.78		<0.76		<0.78		<0.76		<0.76	
4-Chloro-3-methylphenol	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2-Chlorophenol	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2-Chloronaphthalene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
4-Chlorophenyl phenyl ether	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Chrysene	<0.40		1.4		<0.39		<0.38		<0.39		<0.38		<0.38	
Dibenzo(a,h)anthracene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Dibenzofuran	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Di-n-butyl phthalate	(0.048)		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
1,2-Dichlorobenzene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2,4-Dichlorophenol	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
1,3-Dichlorobenzene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
1,4-Dichlorobenzene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
3,3'-Dichlorobenzidine	<0.80		<0.76		<0.78		<0.76		<0.78		<0.76		<0.76	
Diethyl phthalate	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Dimethylphthalate	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
4,6-Dinitro-2-methylphenol	<2.0		<2.0		<2.0		<2.0		<2.0		<2.0		<2.0	
2,4-Dinitrotoluene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2,6-Dinitrotoluene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2,4-Dinitrophenol	<2.0		<2.0		<2.0		<2.0		<2.0		<2.0		<2.0	
Di-n-octylphthalate	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
2,4-Dimethylphenol	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Fluoranthene	<0.40		0.88		<0.39		<0.38		<0.39		<0.38		<0.38	
Fluorene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	
Hexachlorobenzene	<0.40		<0.38		<0.39		<0.38		<0.39		<0.38		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-MW04	PDO-SB01	PDO-SB01	PDO-SB01	PDO-SB02	PDO-SB02	PDO-SB03
	SAMPLE ID	PDO-MW0402	PDO-SB0101	PDO-SB0101	PDO-SB0102	PDO-SB0201	PDO-SB0202	PDO-SB0301
	DATE	08/27/96	08/14/96	08/14/96	08/14/96	08/15/96	08/15/96	08/15/96
	DEPTH (ft)	4.00	2.00	4.00	2.00	4.00	2.00	2.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Hexachlorobutadiene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Hexachlorocyclopentadiene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Hexachloroethane	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.40	1.2	<0.39	<0.38	<0.39	<0.38	<0.38
Isophorone	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2-Methylnaphthalene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2-Methylphenol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Naphthalene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
3-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Nitroaniline	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nitrobenzene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2-Nitrophenol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
4-Nitrophenol	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Nitrosodimethylamine	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
N-Nitrosodi-n-propylamine	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Phenanthrene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Pentachlorophenol	(mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Phenol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
Pyrene	(mg/kg)	<0.40	1.9	<0.39	<0.38	<0.39	<0.38	<0.38
1,2,4-Trichlorobenzene	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2,4,5-Trichlorophenol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38
2,4,6-Trichlorophenol	(mg/kg)	<0.40	<0.38	<0.39	<0.38	<0.39	<0.38	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-MW04		PDO-SB01		PDO-SB01		PDO-SB02		PDO-SB02		PDO-SB03	
	SAMPLE ID		PDO-MWB0402		PDO-SB0101		PDO-SB0102		PDO-SB0201		PDO-SB0202		PDO-SB0301	
	DATE		08/27/96		08/14/96		08/14/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		2.00		4.00		2.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
GRO	(mg/kg)	<0.21 J	<0.2	<0.2	<0.21	<0.21	<0.21	<0.21	<0.2 J	<0.21	<0.21	<0.2 J	<0.2 J	<0.2 J
DRO	(mg/kg)	14 J	26	26	<12	<12	<12	<12	<11	<12	<12	<11	<11	<11
Gross Alpha	(pCi/g)	<14	<14	<14	<14	<14	<14	<14	<14	15 +/-10 J	<14	<14	<14	<14
Gross Beta	(pCi/g)	<13	<12	<12	<13	<13	<13	<13	14 +/-7.2 J	20 +/-7.6 J	<12	<12	<12	<12
Antimony	(mg/kg)	<6 J	<5.8 R	<6 R	<6 R	<6 R	<6 R	<6 R	<5.8 R	<6 R	<6 R	<5.8 R	<5.8 R	<5.8 R
Arsenic	(mg/kg)	<1.2	1.4 J	<1.1 R	<1.1 R	<1.1 R	<1.1 R	<1.1 R	1.3 J	<1.1 R	<1.1 R	<1.1 R	<1.1 R	<1.1 R
Beryllium	(mg/kg)	<0.6	<0.58	<0.6	<0.6	<0.6	<0.6	<0.6	<0.58	<0.6	<0.6	<0.58	<0.58	<0.58
Cadmium	(mg/kg)	<0.6	0.59	<0.6	<0.6	<0.6	<0.6	<0.6	<0.58	<0.6	<0.6	<0.58	<0.58	<0.58
Chromium	(mg/kg)	4.7	12	6.1	6.1	6.1	6.1	6.1	6.3	6.6	6.6	2.8	2.8	2.8
Copper	(mg/kg)	<3	10	<3	<3	<3	<3	<3	<2.8	<3	<3	<2.8	<2.8	<2.8
Lead	(mg/kg)	3.5	67 J	2.1 J	2.1 J	2.1 J	2.1 J	2.1 J	7.6 J	2.7 J	2.7 J	5.5 J	5.5 J	5.5 J
Mercury	(mg/kg)	0.043	0.022	0.022	0.022	0.022	0.022	0.022	0.026	0.024	0.024	0.012	0.012	0.012
Nickel	(mg/kg)	<4.8	4.9	<4.8	<4.8	<4.8	<4.8	<4.8	<4.6	<4.8	<4.8	<4.6	<4.6	<4.6
Selenium	(mg/kg)	<1.2 J	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Silver	(mg/kg)	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium	(mg/kg)	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc	(mg/kg)	3.4	46	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.3	<2.3	2.5	2.5	2.5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB03		PDO-SB04		PDO-SB04		PDO-SB04		PDO-SB05		PDO-SB05	
	SAMPLE ID		PDO-SB0302		PDO-SB0401		PDO-SB0402		PDO-SB16		PDO-SB0502		PDO-SB0501	
	DATE		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Acetone	<0.060		<0.060		0.11		0.13		0.18		0.11		<0.056	
Benzene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Bromodichloromethane	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Bromoform	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Bromomethane	<0.012		<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
2-Butanone (MEK)	<0.030		<0.030		<0.028		<0.030		<0.030		<0.030		<0.028	
Carbon disulfide	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Carbon tetrachloride	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Chlorobenzene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Chloroethane	<0.012		<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
2-Chloroethylvinyl ether	<0.060		<0.060		<0.056		<0.060		<0.060		<0.060		<0.056	
Chloroform	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Chloromethane	<0.012		<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
Dibromochloromethane	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,1-Dichloroethane	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,2-Dichloroethane	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,1-Dichloroethene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
cis-1,2-Dichloroethene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
trans-1,2-Dichloroethene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,2-Dichloropropane	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
cis-1,3-Dichloropropene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
trans-1,3-Dichloropropene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Ethyl benzene	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
2-Hexanone	<0.030		<0.030		<0.028		<0.030		<0.030		<0.030		<0.028	
Methyl isobutyl ketone (MIBK)	<0.030		<0.030		<0.028		<0.030		<0.030		<0.030		<0.028	
Methylene chloride	<0.0060		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB03		PDO-SB04		PDO-SB04		PDO-SB04		PDO-SB05		PDO-SB05	
	SAMPLE ID		PDO-SB0302		PDO-SB0401		PDO-SB0402		PDO-SB16		PDO-SB0502		PDO-SB0501	
	DATE		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Styrene	<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0060		<0.0056	
1,1,2,2-Tetrachloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Tetrachloroethene	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Toluene	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,1,1-Trichloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
1,1,2-Trichloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Trichloroethene	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Vinyl Acetate	(mg/kg)		<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
Vinyl Chloride	(mg/kg)		<0.012		<0.011		<0.012		<0.012		<0.012		<0.011	
m&p-Xylene	(mg/kg)		<0.0060		<0.0056		<0.0060		<0.0060		<0.0060		<0.0056	
Acenaphthylene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Anthracene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzidine	(mg/kg)		<3.2		<3.0		<3.2		<3.2		<3.2 J		<3.0	
Benzo(a)anthracene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzo(a)pyrene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzo(g,h,i)perylene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzo(k)fluoranthene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Bis(2-chloroethoxy) methane	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Bis(2-chloroethyl)ether	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Bis(2-chloroisopropyl) ether	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Bis(2-ethylhexyl)phthalate	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
4-Bromophenyl phenylether	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzo(b)fluoranthene	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Benzoic acid	(mg/kg)		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
Benzyl alcohol	(mg/kg)		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed														

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB03		PDO-SB04		PDO-SB04		PDO-SB04		PDO-SB05		PDO-SB05	
	SAMPLE ID		PDO-SB0302		PDO-SB0401		PDO-SB0402		PDO-SB16		PDO-SB0502		PDO-SB0501	
	DATE		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Butylbenzylphthalate	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
4-Chloroaniline	<0.80		<0.80		<0.73		<0.80		<0.80		<0.78 J		<0.75	
4-Chloro-3-methylphenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Chlorophenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Chloronaphthalene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
4-Chlorophenyl phenyl ether	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Chrysene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Dibenzo(a,h)anthracene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Dibenzofuran	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Di-n-butyl phthalate	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
1,2-Dichlorobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,4-Dichlorophenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
1,3-Dichlorobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
1,4-Dichlorobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
3,3'-Dichlorobenzidine	<0.80		<0.80		<0.73		<0.80		<0.80		<0.78 J		<0.75	
Diethyl phthalate	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Dimethylphthalate	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
4,6-Dinitro-2-methylphenol	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
2,4-Dinitrotoluene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,6-Dinitrotoluene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,4-Dinitrophenol	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
Di-n-octylphthalate	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,4-Dimethylphenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Fluoranthene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Fluorene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Hexachlorobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00017

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB03		PDO-SB04		PDO-SB04		PDO-SB04		PDO-SB05		PDO-SB05	
	SAMPLE ID		PDO-SB0302		PDO-SB0401		PDO-SB0402		PDO-SB16		PDO-SB0502		PDO-SB0501	
	DATE		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96		08/15/96	
	DEPTH (ft)		4.00		2.00		4.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Hexachlorobutadiene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Hexachlorocyclopentadiene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Hexachloroethane	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Indeno(1,2,3-cd)pyrene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Isophorone	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Methylnaphthalene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Methylphenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
3-Methylphenol/4-Methylphenol (m&p-Creso	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Naphthalene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Nitroaniline	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
3-Nitroaniline	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
4-Nitroaniline	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
Nitrobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2-Nitrophenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
4-Nitrophenol	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
N-Nitrosodimethylamine	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
N-Nitrosodi-n-propylamine	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
N-Nitrosodiphenylamine/Diphenylamine	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Phenanthrene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Pentachlorophenol	<2.0		<2.0		<1.8		<2.0		<2.0		<2.0 J		<1.9	
Phenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
Pyrene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
1,2,4-Trichlorobenzene	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,4,5-Trichlorophenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	
2,4,6-Trichlorophenol	<0.40		<0.40		<0.36		<0.40		<0.40		<0.39 J		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLSL

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00073

HUNTER ARMY AIRFIELD PDO YARD

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB03		PDO-SB04		PDO-SB04		PDO-SB04		PDO-SB05		PDO-SB05	
	SAMPLE ID		PDO-SB0302		PDO-SB0401		PDO-SB0402		PDO-SB16		PDO-SB0502		PDO-SB0501	
	DATE	DEPTH (ft)	08/15/96	4.00	08/15/96	2.00	08/15/96	4.00	08/15/96	4.00	08/15/96	2.00	08/15/96	4.00
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary
GRO	(mg/kg)	<0.21	<0.2	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.2 J
DRO	(mg/kg)	<12	31	<12	<12	<12	<12	12	<12	<12	<12	<12	<12	22
Gross Alpha	(pCi/g)	<14	<13	<12	<12	<12	<12	19 +/-10 J	<14	<14	<14	<14	<14	<14
Gross Beta	(pCi/g)	<13	13 +/-7.1 J	<13	<13	<13	<13	<12	<13	<13	<13	<13	<12	<12
Antimony	(mg/kg)	<6 R	<5.6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<6 R	<5.6 R
Arsenic	(mg/kg)	9.9 J	3.8 J	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2 R	2.3 J
Beryllium	(mg/kg)	<0.6	<0.56	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.56
Cadmium	(mg/kg)	<0.6	<0.56	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.56
Chromium	(mg/kg)	11	2.7	4.2	4.2	4.2	4.2	4.8	5.7	5.7	5.7	5.7	5.7	2.0
Copper	(mg/kg)	<3	3.5	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<2.8
Lead	(mg/kg)	2.5 J	20 J	2.4 J	2.4 J	2.4 J	2.4 J	2.6 J	3.3 J	3.3 J	3.3 J	3.3 J	3.3 J	33 J
Mercury	(mg/kg)	0.014	0.030	0.031	0.031	0.031	0.031	0.062	0.015	0.015	0.015	0.015	0.015	0.026
Nickel	(mg/kg)	<4.8	<4.4	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.6
Selenium	(mg/kg)	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Silver	(mg/kg)	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium	(mg/kg)	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc	(mg/kg)	<2.4	3.2	<2.4	<2.4	<2.4	<2.4	2.5	<2.3	<2.3	<2.3	<2.3	<2.3	4.8

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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HUNTER ARMY AIRFIELD PDO YARD

Page: 1H of 5K

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB06	PDO-SB06	PDO-SB07	PDO-SB07	PDO-SB08	PDO-SB08
	SAMPLE ID	PDO-SB0601	PDO-SB0602	PDO-SB0701	PDO-SB0702	PDO-SB0801	PDO-SB0801
	DATE	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96
	DEPTH (ft)	2.00	4.00	2.00	4.00	4.00	4.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Duplicate 1
Acetone	(mg/kg)	<0.056	(0.037)	(0.0072)	<0.060	(0.014)	0.14
Benzene	(mg/kg)	<0.0056	<0.0060	(0.00095)	<0.0060	<0.0060	<0.0060
Bromodichloromethane	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Bromoform	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Bromomethane	(mg/kg)	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012
2-Butanone (MEK)	(mg/kg)	<0.028	<0.030	<0.028	<0.030	<0.030	<0.030
Carbon disulfide	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Carbon tetrachloride	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Chlorobenzene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Chloroethane	(mg/kg)	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012
2-Chloroethylvinyl ether	(mg/kg)	<0.056	<0.060	<0.056	<0.060	<0.060	<0.060
Chloroform	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Chloromethane	(mg/kg)	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012
Dibromochloromethane	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
1,1-Dichloroethane	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
1,2-Dichloroethane	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
1,1-Dichloroethene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
cis-1,2-Dichloroethene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
trans-1,2-Dichloroethene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
1,2-Dichloropropane	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
cis-1,3-Dichloropropene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
trans-1,3-Dichloropropene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
Ethyl benzene	(mg/kg)	<0.0056	<0.0060	<0.0056	<0.0060	<0.0060	<0.0060
2-Hexanone	(mg/kg)	<0.028	<0.030	<0.028	<0.030	<0.030	<0.030
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.028	<0.030	<0.028	<0.030	<0.030	<0.030
Methylene chloride	(mg/kg)	(0.0024)	(0.0022)	(0.0021)	(0.0023)	(0.0024)	(0.0021)

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00081

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB06	PDO-SB0601	PDO-SB06	PDO-SB07	PDO-SB0701	PDO-SB07	PDO-SB08	PDO-SB0801	PDO-SB08	PDO-SB17
DATE	DATE	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96	08/16/96
DEPTH (ft)	DEPTH (ft)	2.00	2.00	4.00	2.00	2.00	4.00	4.00	4.00	4.00	4.00
RESULT TYPE	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	
Styrene	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
1,1,2,2-Tetrachloroethane	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Tetrachloroethene	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Toluene	(mg/kg)	(0.0022)	(0.0022)	(0.00041)	(0.0025)	(0.0025)	<0.0060	<0.0060	(0.0028)	<0.0060	(0.00082)
1,1,1-Trichloroethane	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
1,1,2-Trichloroethane	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Trichloroethene	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Vinyl Acetate	(mg/kg)	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012
Vinyl Chloride	(mg/kg)	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012
m&p-Xylene	(mg/kg)	<0.0056	<0.0056	<0.0060	<0.0056	<0.0056	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Acenaphthylene	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Anthracene	(mg/kg)	(0.024)	(0.024)	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzidine	(mg/kg)	<3.0	<3.0	<3.2	<3.0	<3.0	<3.2	<3.2	<3.2	<3.2	<3.2
Benzo(a)anthracene	(mg/kg)	(0.14)	(0.14)	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzo(a)pyrene	(mg/kg)	(0.15)	(0.15)	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzo(g,h,i)perylene	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzo(k)fluoranthene	(mg/kg)	(0.26)	(0.26)	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Bis(2-chloroethoxy) methane	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Bis(2-chloroethyl)ether	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Bis(2-chloroisopropyl) ether	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Bis(2-ethylhexyl)phthalate	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
4-Bromophenyl phenylether	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzo(b)fluoranthene	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39
Benzoic acid	(mg/kg)	<1.9	<1.9	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Benzyl alcohol	(mg/kg)	<0.38	<0.38	<0.39	<0.38	<0.38	<0.39	<0.40	<0.40	<0.39	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00082

HUNTER ARMY AIRFIELD PDO YARD

Page: 3H of 5K

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB06		PDO-SB07		PDO-SB08		PDO-SB08	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Duplicate 1
Butylbenzylphthalate				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
4-Chloroaniline				(mg/kg)	<0.75	<0.78	<0.75	<0.78	<0.80	<0.78
4-Chloro-3-methylphenol				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2-Chlorophenol				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2-Chloronaphthalene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
4-Chlorophenyl phenyl ether				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
Chrysene				(mg/kg)	(0.24)	<0.39	<0.38	<0.39	<0.40	<0.39
Dibenzo(a,h)anthracene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
Dibenzofuran				(mg/kg)	(0.064)	<0.39	<0.38	<0.39	<0.40	<0.39
Di-n-butyl phthalate				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
1,2-Dichlorobenzene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2,4-Dichlorophenol				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
1,3-Dichlorobenzene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
1,4-Dichlorobenzene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
3,3'-Dichlorobenzidine				(mg/kg)	<0.75	<0.78	<0.75	<0.78	<0.80	<0.78
Diethyl phthalate				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
Dimethylphthalate				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
4,6-Dinitro-2-methylphenol				(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
2,4-Dinitrotoluene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2,6-Dinitrotoluene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2,4-Dinitrophenol				(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Di-n-octylphthalate				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
2,4-Dimethylphenol				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39
Fluoranthene				(mg/kg)	(0.36)	<0.39	<0.38	<0.39	<0.40	<0.39
Fluorene				(mg/kg)	(0.019)	<0.39	<0.38	<0.39	<0.40	<0.39
Hexachlorobenzene				(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.40	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed
() = Less than Reporting Limit

00003

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

METHODS:8260,8270,8015M,8100M,9310.PPMET RCL 8000HLS

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB06		PDO-SB07		PDO-SB08		PDO-SB08	
	SAMPLE ID		PDO-SB0601		PDO-SB0701		PDO-SB0801		PDO-SB0801	
	DATE		08/16/96		08/16/96		08/16/96		08/16/96	
	DEPTH (ft)		2.00		2.00		4.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary	
Hexachlorobutadiene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Hexachlorocyclopentadiene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Hexachloroethane	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Isophorone	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2-Methylnaphthalene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2-Methylphenol	(mg/kg)	(0.23)	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Naphthalene	(mg/kg)	(0.13)	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2-Nitroaniline	(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
3-Nitroaniline	(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Nitroaniline	(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nitrobenzene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2-Nitrophenol	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
4-Nitrophenol	(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Nitrosodimethylamine	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
N-Nitrosodi-n-propylamine	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Phenanthrene	(mg/kg)	(0.33)	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Pentachlorophenol	(mg/kg)	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Phenol	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
Pyrene	(mg/kg)	0.46	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
1,2,4-Trichlorobenzene	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2,4,5-Trichlorophenol	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39
2,4,6-Trichlorophenol	(mg/kg)	<0.38	<0.39	<0.38	<0.39	<0.39	<0.40	<0.39	<0.39	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB06		PDO-SB06		PDO-SB07		PDO-SB07		PDO-SB08		PDO-SB08	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1
GRO	(mg/kg)	<0.2 J	<0.21 J	<0.21 J	<0.2 J	<0.2 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J	<0.21 J
DRO	(mg/kg)	240 J	<12 R	<12 R	18 J	<12 R	<12 R	<12 R	<12 R	<12 R	<12 R	<12 R	<12 R	<12 R
Gross Alpha	(pCi/g)	<14	--	--	14 +/- 8.9 J	<12	<14	<14	<14	<14	<14	<14	<14	--
Gross Beta	(pCi/g)	<14	<14	(11 +/- 6.0)	<12	<12	18 +/- 6.7	<11	<11	<11	<11	<11	<11	--
Antimony	(mg/kg)	<5.6 J	<6 J	<6 J	<5.6 J	<5.6 J	<6 J	<6 J	<6 J	<6 J	<6 J	<6 J	<6 J	<6 J
Arsenic	(mg/kg)	4.3	<1.1	<1.1	1.4	1.4	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Beryllium	(mg/kg)	<0.56	<0.6	<0.6	<0.56	<0.56	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Cadmium	(mg/kg)	<0.56	<0.6	<0.6	<0.56	<0.56	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Chromium	(mg/kg)	4.1	1.4	1.4	1.6	1.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.6
Copper	(mg/kg)	9.5	5.8	5.8	5.5	5.5	<3	<3	<3	<3	<3	<3	<3	<3
Lead	(mg/kg)	17 J	<0.6 J	<0.6 J	2.8 J	2.8 J	2.6 J	2.6 J	2.6 J	2.6 J	2.6 J	2.6 J	2.6 J	2.3 J
Mercury	(mg/kg)	0.024	<0.011	<0.011	0.024	0.024	0.028	0.028	0.028	0.028	0.035	0.035	0.035	0.045
Nickel	(mg/kg)	<4.6	<4.8	<4.8	<4.6	<4.6	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Selenium	(mg/kg)	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J
Silver	(mg/kg)	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium	(mg/kg)	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc	(mg/kg)	22	<2.3	<2.3	2.5	2.5	4.4	4.4	4.4	4.4	5.4	5.4	5.4	5.2
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed () = Less than Reporting Limit														
METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS J = RESULT IS ESTIMATED R = RESULT IS REJECTED														

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB09	PDO-SB0901	PDO-SB0902	PDO-SB10	PDO-SB1001	PDO-SB1002	PDO-SB11	PDO-SB1101	PDO-SB1102
	SAMPLE ID	08/16/96	08/16/96	08/16/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96
	DEPTH (ft)	2.00	4.00	4.00	2.00	2.00	4.00	2.00	2.00	4.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Acetone	(mg/kg)	(0.014)	(2.4) J	(0.016)	<0.060	(1.2)	<0.060	<0.060	<0.060	<0.060
Benzene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Bromodichloromethane	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Bromoform	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Bromomethane	(mg/kg)	<0.012	<1.5	<0.011	<0.012	<1.4	<0.012	<0.012	<0.012	<0.012
2-Butanone (MEK)	(mg/kg)	<0.029	<3.8	<0.028	<0.030	<3.5	<0.030	<0.030	<0.030	<0.030
Carbon disulfide	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Carbon tetrachloride	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Chlorobenzene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Chloroethane	(mg/kg)	<0.012	<1.5	<0.011	<0.012	<1.4	<0.012	<0.012	<0.012	<0.012
2-Chloroethylvinyl ether	(mg/kg)	<0.058	<7.5	<0.056	<0.060	<7.0	<0.060	<0.060	<0.060	<0.060
Chloroform	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Chloromethane	(mg/kg)	<0.012	<1.5	<0.011	<0.012	<1.4	<0.012	<0.012	<0.012	<0.012
Dibromochloromethane	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
1,1-Dichloroethane	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
1,2-Dichloroethane	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
1,1-Dichloroethene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
cis-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
trans-1,2-Dichloroethene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
1,2-Dichloropropane	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
cis-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
trans-1,3-Dichloropropene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
Ethyl benzene	(mg/kg)	<0.0058	<0.75	<0.0056	<0.060	<0.70	<0.060	<0.060	<0.060	<0.060
2-Hexanone	(mg/kg)	<0.029	<3.8	<0.028	<0.030	<3.5	<0.030	<0.030	<0.030	<0.030
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.029	<3.8	<0.028	<0.030	<3.5	<0.030	<0.030	<0.030	<0.030
Methylene chloride	(mg/kg)	(0.0015)	<0.75	(0.0019)	(0.0018)	<0.70	(0.0016)	(0.0016)	(0.0016)	(0.0016)

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00087

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB09		PDO-SB09		PDO-SB10		PDO-SB10		PDO-SB11		PDO-SB11	
	SAMPLE ID		PDO-SB0901		PDO-SB0902		PDO-SB1001		PDO-SB1002		PDO-SB1101		PDO-SB1102	
	DATE		08/16/96		08/16/96		08/17/96		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		2.00		4.00		2.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Styrene	<0.0058		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
1,1,2,2-Tetrachloroethane	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
Tetrachloroethene	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
Toluene	(mg/kg)		<0.0058		<0.75		(0.0018)		<0.0060		<0.70		<0.0060	
1,1,1-Trichloroethane	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
1,1,2-Trichloroethane	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
Trichloroethene	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
Vinyl Acetate	(mg/kg)		<0.012		<1.5		<0.011		<0.012		<1.4		<0.012	
Vinyl Chloride	(mg/kg)		<0.012		<1.5		<0.011		<0.012		<1.4		<0.012	
m & p-Xylene	(mg/kg)		<0.0058		<0.75		<0.0056		<0.0060		<0.70		<0.0060	
Acenaphthylene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Anthracene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Benzidine	(mg/kg)		<3.1		<3.2		<3.0		<3.2		<3.0		<3.2	
Benzo(a)anthracene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Benzo(a)pyrene	(mg/kg)		<0.38		<0.40		(0.024)		<0.39		<0.37		<0.39	
Benzo(g,h,i)perylene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Benzo(k)fluoranthene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Bis(2-chloroethoxy) methane	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Bis(2-chloroethoxy) ether	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Bis(2-chloroisopropyl) ether	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Bis(2-ethylhexyl)phthalate	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
4-Bromophenyl phenylether	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Benzo(b)fluoranthene	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	
Benzoic acid	(mg/kg)		<2.0		<2.0		<1.9		<2.0		<1.9		<2.0	
Benzyl alcohol	(mg/kg)		<0.38		<0.40		<0.38		<0.39		<0.37		<0.39	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB09		PDO-SB09		PDO-SB10		PDO-SB10		PDO-SB11		PDO-SB11	
	SAMPLE ID		PDO-SB0901		PDO-SB0902		PDO-SB1001		PDO-SB1002		PDO-SB1101		PDO-SB1102	
	DATE		08/16/96		08/16/96		08/17/96		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		2.00		4.00		2.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Butylbenzylphthalate	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.58	(mg/kg)	<0.53	(mg/kg)	<0.61	(mg/kg)	<0.53	(mg/kg)	<0.61
4-Chloroaniline	(mg/kg)	<0.76	(mg/kg)	<0.80	(mg/kg)	<0.75	(mg/kg)	<0.74	(mg/kg)	<0.78	(mg/kg)	<0.74	(mg/kg)	<0.78
4-Chloro-3-methylphenol	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2-Chlorophenol	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2-Chloronaphthalene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
4-Chlorophenyl phenyl ether	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Chrysene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	(0.036)	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Dibenzo(a,h)anthracene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Dibenzofuran	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Di-n-butyl phthalate	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
1,2-Dichlorobenzene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2,4-Dichlorophenol	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
1,3-Dichlorobenzene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
1,4-Dichlorobenzene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
3,3'-Dichlorobenzidine	(mg/kg)	<0.76	(mg/kg)	<0.80	(mg/kg)	<0.75	(mg/kg)	<0.74	(mg/kg)	<0.78	(mg/kg)	<0.74	(mg/kg)	<0.78
Diethyl phthalate	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Dimethylphthalate	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
4,6-Dinitro,2-methylphenol	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<2.0
2,4-Dinitrotoluene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2,6-Dinitrotoluene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2,4-Dinitrophenol	(mg/kg)	<2.0	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<1.9	(mg/kg)	<2.0	(mg/kg)	<1.9	(mg/kg)	<2.0
Di-n-octylphthalate	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
2,4-Dimethylphenol	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Fluoranthene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Fluorene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39
Hexachlorobenzene	(mg/kg)	<0.38	(mg/kg)	<0.40	(mg/kg)	<0.38	(mg/kg)	<0.37	(mg/kg)	<0.39	(mg/kg)	<0.37	(mg/kg)	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB09		PDO-SB10		PDO-SB11	
	SAMPLE ID	DATE	PDO-SB0901	PDO-SB0902	PDO-SB1001	PDO-SB1002	PDO-SB1101	PDO-SB1102
	DEPTH (ft)		08/16/96	08/16/96	08/17/96	08/17/96	08/17/96	08/17/96
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary	Primary
Hexachlorobutadiene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Hexachlorocyclopentadiene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Hexachloroethane	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Isophorone	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2-Methylnaphthalene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2-Methylphenol	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Naphthalene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0	<2.0
3-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0	<2.0
4-Nitroaniline	(mg/kg)	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0	<2.0
Nitrobenzene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2-Nitrophenol	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
4-Nitrophenol	(mg/kg)	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0	<2.0
N-Nitrosodimethylamine	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
N-Nitrosodi-n-propylamine	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Phenanthrene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Pentachlorophenol	(mg/kg)	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0	<2.0
Phenol	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
Pyrene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
1,2,4-Trichlorobenzene	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2,4,5-Trichlorophenol	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39
2,4,6-Trichlorophenol	(mg/kg)	<0.38	<0.40	<0.38	<0.39	<0.37	<0.39	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB09		PDO-SB09		PDO-SB10		PDO-SB10		PDO-SB11		PDO-SB11	
	SAMPLE ID		PDO-SB0901		PDO-SB0902		PDO-SB1001		PDO-SB1002		PDO-SB1101		PDO-SB1102	
	DATE		08/16/96		08/16/96		08/17/96		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		2.00		4.00		2.00		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
GRO	(mg/kg)	<0.2 J	<0.2 J	<0.21 J	<0.21 J	<0.2 J	<0.2 J	<0.21 J	<0.21 J	<0.2 J	<0.2 J	<0.21 J	<0.21 J	<0.21 J
DRO	(mg/kg)	<12 R	<12 R	<12 R	<12 R	13	<12	<12	<12	<11	<11	<12	<12	<12
Gross Alpha	(pCi/g)	<14	<14	<12	<12	<14	<14	<12	<12	<13	<13	<14	<14	<14
Gross Beta	(pCi/g)	(12 +/- 7.0)	<13	<13	<13	<11	<11	<13	<13	<11	<11	<11	<11	<11
Antimony	(mg/kg)	<5.8 J	<6 J	<6 J	<5.6 R	<5.6 R	<5.6 R	<6 R	<6 R	<5.6 R	<5.6 R	<6 R	<6 R	<6 R
Arsenic	(mg/kg)	<1.1	<1.2	<1.2	1.5	2.9	4.0	14	14	14	14	4.0	4.0	4.0
Beryllium	(mg/kg)	<0.58	<0.6	<0.6	<0.56	<0.56	<0.56	<0.6	<0.6	<0.56	<0.56	<0.6	<0.6	<0.6
Cadmium	(mg/kg)	<0.58	<0.6	<0.6	<0.56	<0.56	<0.56	<0.6	<0.6	<0.56	<0.56	<0.6	<0.6	<0.6
Chromium	(mg/kg)	7.3	7.4	7.4	1.8	2.6	3.4	2.6	2.6	1.1	1.1	3.4	3.4	3.4
Copper	(mg/kg)	<3	<3	<3	<2.8 J	<3 J	<3 J	<3 J	<3 J	<2.8 J	<2.8 J	<3 J	<3 J	<3 J
Lead	(mg/kg)	3.5 J	3.2 J	3.2 J	5.1	2.7	3.3	2.7	2.7	3.3	3.3	2.2	2.2	2.2
Mercury	(mg/kg)	0.019	0.044	0.044	<0.011	<0.011	<0.011	<0.011	<0.011	0.012	0.012	<0.011	<0.011	<0.011
Nickel	(mg/kg)	<4.6	<4.8	<4.8	<4.6	<4.8	<4.8	<4.8	<4.8	<4.4	<4.4	<4.8	<4.8	<4.8
Selenium	(mg/kg)	<1.1 J	<1.2 J	<1.2 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J
Silver	(mg/kg)	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium	(mg/kg)	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc	(mg/kg)	4.3	3.0	3.0	2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.2	<2.3	<2.3	<2.3

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB12	PDO-SB12	PDO-SB13	PDO-SB13	PDO-SB13	PDO-SB13	PDO-SB14
	SAMPLE ID	PDO-SB1201	PDO-SB1202	PDO-SB1301	PDO-SB1302	PDO-SB1302	PDO-SB1302	PDO-SB1401
	DATE	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96
	DEPTH (ft)	2.00	4.00	2.00	2.00	4.00	4.00	2.00
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Acetone	(mg/kg)	1.0 J	<0.058	(1.6) J	0.18	0.17	<0.056	<0.056
Benzene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Bromodichloromethane	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Bromoform	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Bromomethane	(mg/kg)	<0.057	<0.012	<1.4	<0.011	<0.022	<0.011	<0.011
2-Butanone (MEK)	(mg/kg)	<0.14	<0.029	<3.4	<0.028	<0.057	<0.028	<0.028
Carbon disulfide	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Carbon tetrachloride	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Chlorobenzene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Chloroethane	(mg/kg)	<0.057	<0.012	<1.4	<0.011	<0.022	<0.011	<0.011
2-Chloroethylvinyl ether	(mg/kg)	<0.28	<0.058	<6.8	<0.056	<0.11	<0.056	<0.056
Chloroform	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Chloromethane	(mg/kg)	<0.057	<0.012	<1.4	<0.011	<0.022	<0.011	<0.011
Dibromochloromethane	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
1,1-Dichloroethane	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
1,2-Dichloroethane	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
1,1-Dichloroethene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
cis-1,2-Dichloroethene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
trans-1,2-Dichloroethene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
1,2-Dichloropropane	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
cis-1,3-Dichloropropene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
trans-1,3-Dichloropropene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
Ethyl benzene	(mg/kg)	<0.028	<0.0058	<0.68	<0.0056	<0.011	<0.0056	<0.0056
2-Hexanone	(mg/kg)	<0.14	<0.029	<3.4	<0.028	<0.057	<0.028	<0.028
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.14	<0.029	<3.4	<0.028	<0.057	<0.028	<0.028
Methylene chloride	(mg/kg)	<0.028	(0.0013)	<0.68	(0.0010)	<0.011	(0.0013)	(0.0013)
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed								
() = Less than Reporting Limit								
METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLS J = RESULT IS ESTIMATED R = RESULT IS REJECTED								

00093

00093

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB12	PDO-SB12	PDO-SB12	PDO-SB13	PDO-SB13	PDO-SB13	PDO-SB14
	SAMPLE ID	PDO-SB1201	PDO-SB1202	PDO-SB1202	PDO-SB1301	PDO-SB18	PDO-SB1302	PDO-SB1401
DATE	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96
DEPTH (ft)	2.00	4.00	4.00	2.00	2.00	2.00	4.00	2.00
RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary
Styrene	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
1,1,2,2-Tetrachloroethane	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
Tetrachloroethene	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
Toluene	(mg/kg)	(0.0030) J	<0.0058	<0.0058	<0.68	<0.0056	<0.011	(0.00056)
1,1,1-Trichloroethane	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
1,1,2-Trichloroethane	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
Trichloroethene	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
Vinyl Acetate	(mg/kg)	<0.057	<0.012	<0.012	<1.4	<0.011	<0.022	<0.011
Vinyl Chloride	(mg/kg)	<0.057	<0.012	<0.012	<1.4	<0.011	<0.022	<0.011
m&p-Xylene	(mg/kg)	<0.028	<0.0058	<0.0058	<0.68	<0.0056	<0.011	<0.0056
Acenaphthylene	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Anthracene	(mg/kg)	(0.050)	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzidine	(mg/kg)	<3.1	<3.2	<3.0	<3.0	<3.0	<3.1	<3.0
Benzo(a)anthracene	(mg/kg)	(0.24)	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzo(a)pyrene	(mg/kg)	(0.20)	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzo(g,h,i)perylene	(mg/kg)	(0.10)	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzo(k)fluoranthene	(mg/kg)	(0.26)	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Bis(2-chloroethoxy) methane	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Bis(2-chloroethyl) ether	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Bis(2-chloroisopropyl) ether	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Bis(2-ethylhexyl)phthalate	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
4-Bromophenyl phenylether	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzo(b)fluoranthene	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37
Benzoic acid	(mg/kg)	<2.0	<2.0	<2.0	<1.8	<1.8	<2.0	<1.9
Benzyalcohol	(mg/kg)	<0.38	<0.38	<0.38	<0.36	<0.36	<0.38	<0.37

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSL

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00091

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB12		PDO-SB13		PDO-SB13		PDO-SB13		PDO-SB14	
	SAMPLE ID		PDO-SB1201		PDO-SB1202		PDO-SB1301		PDO-SB1302		PDO-SB1401	
	DATE		08/17/96		08/17/96		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		2.00		4.00		2.00		4.00		2.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary	
	(mg/kg)		(0.054)		(0.061)		(0.074)		(0.10)		(0.073)	
Butylbenzylphthalate	(mg/kg)		<0.76		<0.78		<0.72		<0.73		<0.76	
4-Chloroaniline	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
4-Chloro-3-methylphenol	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2-Chlorophenol	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2-Chloronaphthalene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
4-Chlorophenyl phenyl ether	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Chrysene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Dibenzo(a,h)anthracene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Dibenzofuran	(mg/kg)		(0.37)		<0.38		<0.36		<0.36		<0.38	
Di-n-butyl phthalate	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
1,2-Dichlorobenzene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2,4-Dichlorophenol	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
1,3-Dichlorobenzene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
1,4-Dichlorobenzene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
3,3'-Dichlorobenzidine	(mg/kg)		<0.76		<0.78		<0.72		<0.73		<0.76	
Diethyl phthalate	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Dimethyl phthalate	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
4,6-Dinitro, 2-methylphenol	(mg/kg)		<2.0		<2.0		<1.8		<1.8		<2.0	
2,4-Dinitrotoluene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2,6-Dinitrotoluene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2,4-Dinitrophenol	(mg/kg)		<2.0		<2.0		<1.8		<1.8		<2.0	
Di-n-octylphthalate	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
2,4-Dimethylphenol	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Fluoranthene	(mg/kg)		(0.30)		<0.38		<0.36		<0.36		<0.38	
Fluorene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	
Hexachlorobenzene	(mg/kg)		<0.38		<0.38		<0.36		<0.36		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00095

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE	PDO-SB12	PDO-SB12	PDO-SB13	PDO-SB13	PDO-SB13	PDO-SB13	PDO-SB14
	SAMPLE ID	PDO-SB1201	PDO-SB1202	PDO-SB1301	PDO-SB18	PDO-SB1302	PDO-SB1401	
	DATE	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	08/17/96	
	DEPTH (ft)	2.00	4.00	2.00	2.00	4.00	2.00	
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary	
Hexachlorobutadiene	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Hexachlorocyclopentadiene	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Hexachloroethane	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Indeno(1,2,3-cd)pyrene	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Isophorone	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
2-Methylnaphthalene	(mg/kg)	1.3	< 0.38	< 0.36	< 0.36	< 0.38	(0.065)	
2-Methylphenol	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Naphthalene	(mg/kg)	0.62	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
2-Nitroaniline	(mg/kg)	< 2.0	< 2.0	< 1.8	< 1.8	< 2.0	< 1.9	
3-Nitroaniline	(mg/kg)	< 2.0	< 2.0	< 1.8	< 1.8	< 2.0	< 1.9	
4-Nitroaniline	(mg/kg)	< 2.0	< 2.0	< 1.8	< 1.8	< 2.0	< 1.9	
Nitrobenzene	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
2-Nitrophenol	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
4-Nitrophenol	(mg/kg)	< 2.0	< 2.0	< 1.8	< 1.8	< 2.0	< 1.9	
N-Nitrosodimethylamine	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
N-Nitrosodi-n-propylamine	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Phenanthrene	(mg/kg)	1.0	< 0.38	< 0.36	< 0.36	< 0.38	(0.054)	
Pentachlorophenol	(mg/kg)	< 2.0	< 2.0	< 1.8	< 1.8	< 2.0	< 1.9	
Phenol	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
Pyrene	(mg/kg)	0.45	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
1,2,4-Trichlorobenzene	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
2,4,5-Trichlorophenol	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	
2,4,6-Trichlorophenol	(mg/kg)	< 0.38	< 0.38	< 0.36	< 0.36	< 0.38	< 0.37	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00090

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB12		PDO-SB13		PDO-SB13		PDO-SB13		PDO-SB14	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary
GRO				(mg/kg)	<0.2 J	<0.21 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J	<0.2 J
DRO				(mg/kg)	260	<12	<10	<11	<11	<11	<11	39
Gross Alpha				(pCi/g)	(13+/-9.3) J	<12	<13	--	--	--	--	--
Gross Beta				(pCi/g)	(12+/-7.2)	<12	(12+/-10)	--	--	(12+/-9.0) J	<13	<11
Antimony				(mg/kg)	<5.8 R	<5.8 R	<5.4 R	<5.6 J	<5.8 R	<5.8 R	<5.6 R	<5.6 R
Arsenic				(mg/kg)	13	<1.1	11	7.0	<1.1	<1.1	26	<0.56
Beryllium				(mg/kg)	<0.58	<0.58	<0.54	<0.56	<0.58	<0.58	<0.56	<0.56
Cadmium				(mg/kg)	<0.58	<0.58	<0.54	<0.56	<0.58	<0.58	<0.56	<0.56
Chromium				(mg/kg)	5.3	6.4	3.8	4.4	2.7	2.7	3.0	<2.8 J
Copper				(mg/kg)	7.1 J	11 J	<2.8 J	7.8 J	<2.8 J	<2.8 J	<2.8 J	6.6
Lead				(mg/kg)	18	2.2	12	6.7	1.6	1.6	<0.011	<4.4
Mercury				(mg/kg)	0.082	0.032	<0.01	0.016	<0.011	<0.011	<1.1 J	<1.1 J
Nickel				(mg/kg)	<4.6	<4.8	<4.3	<4.4	<4.6	<4.6	<1.1 J	<1.1 J
Selenium				(mg/kg)	<1.1 J	<1.1 J	<1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J	<1.1 J
Silver				(mg/kg)	<1.1	<1.1	<1	<1.1	<1.1	<1.1	<1.1	<1.1
Thallium				(mg/kg)	<1.1	<1.1	<1	<1.1	<1.1	<1.1	<1.1	<1.1
Zinc				(mg/kg)	10	10	<2.1	2.6	<2.2	<2.2	<2.2	<2.2

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB14		PDO-SB15		PDO-SB15	
	SAMPLE ID		PDO-SB1402		PDO-SB1501		PDO-SB1502	
	DATE		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary	
Acetone	(mg/kg)	0.096	(mg/kg)	<0.056	(mg/kg)	<0.056	(mg/kg)	<0.060
Benzene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Bromodichloromethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Bromoform	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Bromomethane	(mg/kg)	<0.012	(mg/kg)	<0.011	(mg/kg)	<0.011	(mg/kg)	<0.012
2-Butanone (MEK)	(mg/kg)	<0.030	(mg/kg)	<0.028	(mg/kg)	<0.028	(mg/kg)	<0.030
Carbon disulfide	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Carbon tetrachloride	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Chlorobenzene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Chloroethane	(mg/kg)	<0.012	(mg/kg)	<0.011	(mg/kg)	<0.011	(mg/kg)	<0.012
2-Chloroethylvinyl ether	(mg/kg)	<0.060	(mg/kg)	<0.056	(mg/kg)	<0.056	(mg/kg)	<0.060
Chloroform	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Chloromethane	(mg/kg)	<0.012	(mg/kg)	<0.011	(mg/kg)	<0.011	(mg/kg)	<0.012
Dibromochloromethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
1,1-Dichloroethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
1,2-Dichloroethane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
1,1-Dichloroethene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
cis-1,2-Dichloroethene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
trans-1,2-Dichloroethene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
1,2-Dichloropropane	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
cis-1,3-Dichloropropene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
trans-1,3-Dichloropropene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Ethyl benzene	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
2-Hexanone	(mg/kg)	<0.030	(mg/kg)	<0.028	(mg/kg)	<0.028	(mg/kg)	<0.030
Methyl isobutyl ketone (MIBK)	(mg/kg)	<0.030	(mg/kg)	<0.028	(mg/kg)	<0.028	(mg/kg)	<0.030
Methylene chloride	(mg/kg)	<0.0060	(mg/kg)	<0.0056	(mg/kg)	<0.0056	(mg/kg)	<0.0060
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed								
() = Less than Reporting Limit								
METHODS:8260,8270,8015M,8100M,9310,PPMET			RCL 8000HLS			J = RESULT IS ESTIMATED R = RESULT IS REJECTED		

00099

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB14		PDO-SB15		PDO-SB15	
	SAMPLE ID		PDO-SB1402		PDO-SB1501		PDO-SB1502	
	DATE		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		4.00		2.00		4.00	
RESULT TYPE	Primary		Primary		Primary		Primary	
	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Styrene	<0.0060		<0.0060		<0.0056		<0.0060	
1,1,2,2-Tetrachloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060	
Tetrachloroethene	(mg/kg)		<0.0060		<0.0056		<0.0060	
Toluene	(mg/kg)		<0.0060		<0.0056		<0.0060	
1,1,1-Trichloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060	
1,1,2-Trichloroethane	(mg/kg)		<0.0060		<0.0056		<0.0060	
Trichloroethene	(mg/kg)		<0.0060		<0.0056		<0.0060	
Vinyl Acetate	(mg/kg)		<0.012		<0.011		<0.012	
Vinyl Chloride	(mg/kg)		<0.012		<0.011		<0.012	
m&p-Xylene	(mg/kg)		<0.0060		<0.0056		<0.0060	
Acenaphthylene	(mg/kg)		<0.39		<0.36		<0.40	
Anthracene	(mg/kg)		<0.39		<0.36		<0.40	
Benzidine	(mg/kg)		<3.2		<3.0		<3.2	
Benzo(a)anthracene	(mg/kg)		<0.39		(0.030)		<0.40	
Benzo(a)pyrene	(mg/kg)		<0.39		<0.36		<0.40	
Benzo(g,h,i)perylene	(mg/kg)		<0.39		<0.36		<0.40	
Benzo(k)fluoranthene	(mg/kg)		<0.39		<0.36		<0.40	
Bis(2-chloroethoxy) methane	(mg/kg)		<0.39		<0.36		<0.40	
Bis(2-chloroethyl)ether	(mg/kg)		<0.39		<0.36		<0.40	
Bis(2-chloroisopropyl) ether	(mg/kg)		<0.39		<0.36		<0.40	
Bis(2-ethylhexyl)phthalate	(mg/kg)		<0.39		<0.36		<0.40	
4-Bromophenyl phenylether	(mg/kg)		<0.39		<0.36		<0.40	
Benzo(b)fluoranthene	(mg/kg)		<0.39		<0.36		<0.40	
Benzoic acid	(mg/kg)		<2.0		<1.8		<2.0	
Benzy alcohol	(mg/kg)		<0.39		<0.36		<0.40	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00100

HUNTER ARMY AIRFIELD PDO YARD

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB14		PDO-SB15		PDO-SB15	
	SAMPLE ID		PDO-SB1402		PDO-SB1501		PDO-SB1502	
	DATE		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		4.00		2.00		4.00	
	RESULT TYPE		Primary		Primary		Primary	
Butylbenzylphthalate	(mg/kg)	(0.084)	(0.093)	(0.096)				
4-Chloroaniline	(mg/kg)	<0.78	<0.73	<0.80				
4-Chloro-3-methylphenol	(mg/kg)	<0.39	<0.36	<0.40				
2-Chlorophenol	(mg/kg)	<0.39	<0.36	<0.40				
2-Chloronaphthalene	(mg/kg)	<0.39	<0.36	<0.40				
4-Chlorophenyl phenyl ether	(mg/kg)	<0.39	<0.36	<0.40				
Chrysene	(mg/kg)	<0.39	(0.045)	<0.40				
Dibenzo(a,h)anthracene	(mg/kg)	<0.39	<0.36	<0.40				
Dibenzofuran	(mg/kg)	<0.39	<0.36	<0.40				
Di-n-butyl phthalate	(mg/kg)	<0.39	<0.36	<0.40				
1,2-Dichlorobenzene	(mg/kg)	<0.39	<0.36	<0.40				
2,4-Dichlorophenol	(mg/kg)	<0.39	<0.36	<0.40				
1,3-Dichlorobenzene	(mg/kg)	<0.39	<0.36	<0.40				
1,4-Dichlorobenzene	(mg/kg)	<0.39	<0.36	<0.40				
3,3'-Dichlorobenzidine	(mg/kg)	<0.78	<0.73	<0.80				
Diethyl phthalate	(mg/kg)	<0.39	<0.36	<0.40				
Dimethylphthalate	(mg/kg)	<0.39	<0.36	<0.40				
4,6-Dinitro-2-methylphenol	(mg/kg)	<2.0	<1.8	<2.0				
2,4-Dinitrotoluene	(mg/kg)	<0.39	<0.36	<0.40				
2,6-Dinitrotoluene	(mg/kg)	<0.39	<0.36	<0.40				
2,4-Dinitrophenol	(mg/kg)	<2.0	<1.8	<2.0				
Di-n-octylphthalate	(mg/kg)	<0.39	<0.36	<0.40				
2,4-Dimethylphenol	(mg/kg)	<0.39	<0.36	<0.40				
Fluoranthene	(mg/kg)	<0.39	(0.041)	<0.40				
Fluorene	(mg/kg)	<0.39	<0.36	<0.40				
Hexachlorobenzene	(mg/kg)	<0.39	<0.36	<0.40				
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed								
() = Less than Reporting Limit								
METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET			RCL 8000HSLs		J = RESULT IS ESTIMATED R = RESULT IS REJECTED			

00101

00101

PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB14		PDO-SB15	
	SAMPLE ID		PDO-SB1402		PDO-SB1501	PDO-SB1502
	DATE		08/17/96		08/17/96	08/17/96
	DEPTH (ft)		4.00		2.00	4.00
RESULT TYPE	Primary		Primary		Primary	Primary
Hexachlorobutadiene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Hexachlorocyclopentadiene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Hexachloroethane	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Indeno(1,2,3-cd)pyrene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Isophorone	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2-Methylnaphthalene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2-Methylphenol	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
3-Methylphenol/4-Methylphenol (m&p-Creso	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Naphthalene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2-Nitroaniline	(mg/kg)	<2.0	<1.8	<2.0	<2.0	<2.0
3-Nitroaniline	(mg/kg)	<2.0	<1.8	<2.0	<2.0	<2.0
4-Nitroaniline	(mg/kg)	<2.0	<1.8	<2.0	<2.0	<2.0
Nitrobenzene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2-Nitrophenol	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
4-Nitrophenol	(mg/kg)	<2.0	<1.8	<2.0	<2.0	<2.0
N-Nitrosodimethylamine	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
N-Nitrosodi-n-propylamine	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
N-Nitrosodiphenylamine/Diphenylamine	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Phenanthrene	(mg/kg)	<0.39	(0.047)	<0.40	<0.40	<0.40
Pentachlorophenol	(mg/kg)	<2.0	<1.8	<2.0	<2.0	<2.0
Phenol	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
Pyrene	(mg/kg)	<0.39	(0.050)	<0.40	<0.40	<0.40
1,2,4-Trichlorobenzene	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2,4,5-Trichlorophenol	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40
2,4,6-Trichlorophenol	(mg/kg)	<0.39	<0.36	<0.40	<0.40	<0.40

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Reporting Limit

METHODS:8260,8270,8015M,8100M,9310,PPMET RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00102

HUNTER ARMY AIRFIELD PDO YARD

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PHASE I PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	SITE		PDO-SB14		PDO-SB15		PDO-SB15	
	SAMPLE ID		PDO-SB1402		PDO-SB1501		PDO-SB1502	
	DATE		08/17/96		08/17/96		08/17/96	
	DEPTH (ft)		4.00		2.00		4.00	
	RESULT TYPE		Primary		Primary		Primary	
GRO	(mg/kg)		<0.21 J		<0.2 J		<0.21 J	
DRO	(mg/kg)		<12		20		<12	
Gross Alpha	(pCi/g)		<14		<13		<14	
Gross Beta	(pCi/g)		(12 +/- 6.7)		<11		<11	
Antimony	(mg/kg)		<6 R		<5.6 R		<6 R	
Arsenic	(mg/kg)		2.1		5.0		<1.2	
Beryllium	(mg/kg)		<0.6		<0.56		<0.6	
Cadmium	(mg/kg)		<0.6		<0.56		<0.6	
Chromium	(mg/kg)		4.0		3.7		8.0	
Copper	(mg/kg)		<3 J		4.2 J		<3 J	
Lead	(mg/kg)		3.2		7.8		1.8	
Mercury	(mg/kg)		<0.011		0.018		0.035	
Nickel	(mg/kg)		<4.8		<4.4		<4.8	
Selenium	(mg/kg)		<1.1 J		<1.1 J		<1.2 J	
Silver	(mg/kg)		<1.1		<1.1		<1.2	
Thallium	(mg/kg)		<1.1		<1.1		<1.2	
Zinc	(mg/kg)		3.4		6.8		3.1	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Reporting Limit The following qualifier(s) exist: J, R

METHODS: 8260, 8270, 8015M, 8100M, 9310, PPMET RCL 8000HLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00103

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SAMPLING CHRONOLOGY
Hunter AAF PDO YARD
SAVANNAH, GEORGIA

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	DATE LAB RECEIVED	DEPTH (ft)	ANALYSES			COMMENTS QA/QC SAMPLE TYPES	
								VOC/8260B	SVOC/8270C	RCRA Metals		
SOIL BORING												
PDO-SB0501	PDOMW05	PP01	SOIL	7/21/98	1120	7/22/98	4-6	X	X	X	MS	
PDO-SB0501MS/ MSD	PDOMW05	SL11	SOIL	7/21/98	1120	7/22/98	4-6	X	X	X	MSD	
PDO-SB0502	PDOMW05	DL11	SOIL	7/21/98	1120	7/22/98	4-6	X	X	X		
PDO-SB0601	PDOMW05	PP01	SOIL	7/21/98	1227	7/22/98	14-16	X	X	X		
PDO-SB0602	PDOMW06	PP01	SOIL	7/21/98	1720	7/22/98	4-6	X	X	X		
PDO-SB05001	PDOMW06	PP01	SOIL	7/22/98	0805	7/23/98	14-16	X	X	X	DUPLICATE	
PDO-SB0701	PDOMW07	PP01	SOIL	7/23/98	1536	7/24/98	4-6	X	X	X		
PDO-SB0702	PDOMW07	PS11	SOIL	7/23/98	1536	7/24/98	4-6	X	X	X		
PDO-SB0801	PDOMW08	PP01	SOIL	7/23/98	1606	7/24/98	12-14	X	X	X	SPLIT	
PDO-SB0802	PDOMW08	PP01	SOIL	7/28/98	1616	7/29/98	4-6	X	X	X		
PDO-SB0901	PDOMW09	PP01	SOIL	7/29/98	1648	7/29/98	12-14	X	X	X		
PDO-SB0902	PDOMW09	PP01	SOIL	7/29/98	0840	7/30/98	6-8	X	X	X		
PDO-SB1001	PDOMW10	PP01	SOIL	7/29/98	0934	7/30/98	20-22	X	X	X		
PDO-SB1002	PDOMW10	PP01	SOIL	7/22/98	1315	7/23/98	4-6	X	X	X		
PDO-SB1101	PDOMW11	PP01	SOIL	7/22/98	1410	7/23/98	18-20	X	X	X		
PDO-SB1102	PDOMW11	PP01	SOIL	7/23/98	1030	7/24/98	2-4	X	X	X		
				7/23/98	1156	7/24/98	20-22	X	X	X		

SAMPLING CHRONOLOGY
Hunter AAF PDO YARD
SAVANNAH, GEORGIA

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	DATE LAB RECEIVED	ANALYSES		COMMENTS QA/QC SAMPLE TYPES		
							VOC/8260B	SVOC/8270C	RCRA Metals **		
GROUNDWATER											
PDO-TB01	PDOMW04	BT11	WATER	8/10/98	1615	8/12/98	X			TRIP BLANK	
PDO-EB01	PDOMW1-20	BR11	WATER	8/12/98	0920	8/14/98	X	X	X	EQUIPMENT BLANK	
PDO-GW0102	PDOMW01	PP01	WATER	8/11/98	1140	8/12/98	X	X	X		
PDO-GW0202	PDOMW02	PP01	WATER	8/11/98	1400	8/12/98	X	X	X		
PDO-GW0202MS/ MSD	PDOMW02	SL11	WATER	8/11/98	1400	8/12/98	X	X	X	MS	
	PDOMW02	DL11	WATER	8/11/98	1400	8/12/98	X	X	X	MSD	
PDO-GW0302	PDOMW03	PP01	WATER	8/11/98	1505	8/12/98	X	X	X		
PDO-GW5002	PDOMW03	PD11	WATER	8/11/98	1505	8/12/98	X	X	X	DUPLICATE	
PDO-GW0402	PDOMW04	PP01	WATER	8/10/98	0955	8/12/98	X	X	X		
PDO-TB02	PDOMW1-20	BT11	WATER	8/12/98	0910	8/14/98	X	X	X	TRIP BLANK	
PDO-GW0501	PDOMW05	PP01	WATER	8/12/98	1655	8/14/98	X	X	X		
PDO-GW0601	PDOMW06	PP01	WATER	8/12/98	1430	8/14/98	X	X	X		
PDO-GW0701	PDOMW07	PP01	WATER	8/12/98	1415	8/14/98	X	X	X		
PDO-GW0801	PDOMW08	PP01	WATER	8/12/98	1615	8/14/98	X	X	X		
PDO-GW0801MS/ MSD	PDOMW08	SL11	WATER	8/12/98	1615	8/14/98	X	X	X	MS	
	PDOMW08	DL11	WATER	8/12/98	1615	8/14/98	X	X	X	MSD	
PDO-GW0901	PDOMW09	PP01	WATER	8/12/98	1550	8/14/98	X	X	X		
PDO-GW1001	PDOMW10	PP01	WATER	8/12/98	1915	8/14/98	X	X	X		
PDO-GW1101	PDOMW11	PP01	WATER	8/13/98	1615	8/14/98	X	X	X		
PDO-GW1-1902	PDOMW1-19	PP01	WATER	8/11/98	1715	8/12/98	X	X	X		
PDO-GW1-1902	PDOMW1-19	PS11	WATER	8/11/98	1715	8/12/98	X	X	X	SPLIT	
PDO-GW1-2002	PDOMW1-20	PP01	WATER	8/12/98	0935	8/14/98	X	X	X		
PDO-GW1-2102	PDOMW1-21	PP01	WATER	8/12/98	0935	8/14/98	X	X	X		
PDO-GW1-2202	PDOMW1-22	PP01	WATER	8/12/98	1110	8/14/98	X	X	X		
PDO-GW1-2302	PDOMW1-23	PP01	WATER	8/12/98	0955	8/12/98	X	X	X		
PDO-GW1-2402	PDOMW1-24	PP01	WATER	8/11/98	1645	8/12/98	X	X	X		
PDO-GW1-2502	PDOMW1-25	PP01	WATER	8/12/98	1125	8/14/98	X	X	X		

SAMPLING CHRONOLOGY
Hunter AAF PDO YARD
SAVANNAH, GEORGIA

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	DATE LAB RECEIVED	ANALYSES			COMMENTS QA/QC SAMPLE TYPES	
							VOC/8260B	SVOC/8270C	RCRA Metals **		
SURFACEWATER											
PDO-SW0102	PDOSWE01	PP01	WATER	8/13/98	0810	8/14/98	X	X	X	SPLIT	
PDO-SW0202	PDOSWE02	PS11	WATER	8/13/98	0920	8/14/98	X	X	X		
PDO-SW0202	PDOSWE02	PP01	WATER	8/13/98	0920	8/14/98	X	X	X		
PDO-SW0302	PDOSWE03	PP01	WATER	8/13/98	1005	8/14/98	X	X	X		
PDO-SW2002	PDOSWE03	PD11	WATER	8/13/98	1005	8/14/98	X	X	X	DUPLICATE	
SEDIMENT											
PDO-SE0102	PDOSWE01	PP01	SEDIMENT	8/13/98	0810	8/14/98	X	X	X	MS MSD	
PDO-SE0102MS/ MSD	PDOSWE01	SL11 DL11	SEDIMENT	8/13/98	0810	8/14/98	X	X	X		
PDO-SE0202	PDOSWE02	PP01	SEDIMENT	8/13/98	0920	8/14/98	X	X	X	SPLIT	
PDO-SE0202	PDOSWE02	PS11	SEDIMENT	8/13/98	0920	8/14/98	X	X	X		
PDO-SE0302	PDOSWE03	PP01	SEDIMENT	8/13/98	1005	8/14/98	X	X	X	DUPLICATE	
PDO-SE2002	PDOSWE03	PD11	SEDIMENT	8/13/98	1005	8/14/98	X	X	X		

** RCRA Metals included zinc for SURFACEWATER and SEDIMENT samples

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DATA QUALITY SUMMARY REPORT

Hunter Army Airfield - Long Term Monitoring
PDO Yard
October 8, 1998

1.0 INTRODUCTION

Metcalf & Eddy, Inc. was contracted by the United States Army Corps of Engineers, Savannah District, to perform a site investigation at the former Hunter Army Airfield. The purpose of this investigation is to determine the extent of contamination present in the soil and water at this site.

Metcalf & Eddy, Inc. contracted with Savannah Laboratories to perform the required analyses of groundwater and sediment samples. The analytical data received was validated according to USEPA National Functional Guidelines for Organics Data Review and Inorganics Analysis. This guidance follows the Quality Assurance (QA)/Quality Control (QC) requirements outlined in the USEPA's Test Methods for Evaluating Solid Waste (EPA SW-846). Overall these guidelines mimic the most current editions of the EPA's Functional Guidelines for Reviewing Organic and Inorganic Analyses conducted outside the EPA's Contract Laboratory Program (CLP).

The following sections of this Data Quality Summary Report discuss the laboratory reporting, data validation, problems encountered and corrective actions as applied to the samples and data collected during this determination.

1.1 Field Samples and Analysis

The following report summarizes the validation findings of the samples included in the Sample Data Groups listed below.

<u>SDG</u>	<u>Date</u>	<u>Matrix</u>	<u>Samples</u>	<u>Field Duplicates</u>	<u>Trip Blanks</u>	<u>Equipment Blanks</u>
97479	07/29/98	SOIL	2	0	0	0
97522	07/29/98	SOIL	4	1	0	0
97623	07/23/98	SOIL	4	0	0	0
97746	07/28/98	SOIL	2	0	0	0
97789	07/29/98	SOIL	2	0	0	0
98272	08/10/98	WATER	7	1	1	0
98389	07/29/98	SEDIMENT	3	1	0	0
		WATER	14	0	1	1

Eighteen groundwater samples, fourteen soil samples, three surface water samples, three sediment samples, three field duplicates one equipment blank and two trip blanks were analyzed. All samples were analyzed by EPA 8260, EPA 8270 and for RCRA8 metals. Samples were analyzed by Analytical Services Inc.(ASI), Norcross, Georgia using the following USEPA SW-846 Methods:

8260 Volatile Organic Compounds (GC/MS)
8270 Semivolatile Organic Compounds (GC/MS)
6000/7000 RCRA8 Metals

2.0 LABORATORY REPORTING

2.1 Laboratory Blanks

Laboratory blanks or method blanks are artificial samples prepared from the same matrix type as the samples to be analyzed. These blanks are taken through sample preparation and analyzed before the field samples to determine if the glassware, sample preparation or laboratory environment has contaminated the field samples.

Laboratory blanks for all methods of analysis of groundwater, surface water, soil and sediments were analyzed at the required frequency and were free of contaminants.

2.2 Laboratory Control Samples (% Recovery)

Laboratory control samples are artificial samples prepared from the same matrix type as the samples to be analyzed. These samples are processed through sample preparation and analyzed to assess the performance of each analytical system that the laboratory used to analyze the field samples.

Laboratory control standards were within the specified method criteria for groundwater, surface water, soil, and sediments with the exception of one groundwater VOC control, (Batch #41289), for acrolein that was slightly below the required control limit. The sample results required no qualifications.

2.3 Precision (% RPD)

Laboratory precision is evaluated by calculating the relative percent difference (RPD) between the values reported for a matrix spiked (MS) sample and its duplicate, the matrix spiked duplicate (MSD), or any other set of duplicate parameters. The following equation is utilized for this calculation:

$$RPD = \frac{|Vs - Vd|}{[Vs + Vd] / 2} \times 100$$

Where Vs is the value reported for the matrix spiked (MS) sample and Vd is the value reported for its duplicate (MSD). Sample RPDs are compared to the analyzing laboratory's precision control limits which are primarily derived from their in-house quality control data.

RPDs of field duplicates for all methods of analysis of groundwater and surface water were within established control limits with the exception one surface water sample analyzed for zinc. No qualifiers were required.

RPDs for all methods of analysis of spiked samples were within required control limits with the exception of one matrix spiked groundwater sample PDO-GW-0801, which exhibited slightly high RPDs for selenium and three SVOC analytes. Groundwater sample PDO-GW-0202 also exhibited slightly high RPDs for selenium and eleven VOC analytes. No qualifiers were required.

RPDs of field duplicates for all methods of analysis of soil and sediments were within established control limits with the exception of one soil sample analyzed for VOC, and one sediment sample analyzed for VOC, SVOC and metals. No qualifiers were required.

RPDs for all methods of analysis of spiked samples were within required control limits with the exception of one matrix spiked sediment sample PDO-SWE01, which exhibited slightly high RPDs for all SVOC analytes. No qualifiers were required.

2.4 Surrogate Recovery

Surrogates are compounds similar to analytes of interest but are not normally found in environmental samples. Prior to sample preparation and analysis, surrogates are spiked into laboratory control samples, calibration and check standards, matrix spiked samples and field samples. Accuracy is measured by calculating percent recoveries for each surrogate as follows:

$$\%R = \frac{\text{Concentration of spike found}}{\text{Concentration of spike added}} \times 100$$

Surrogate recoveries for surface water, soil and sediments were within the required control limits. Surrogate recoveries for groundwater were within the required control limits with the exception of sample PDOMW10 which exhibited one surrogate slightly below the required control limit.

2.5 Holding Time

Holding time is the storage time allowed between sample collection and sample analysis when the designated preservation and storage techniques are employed.

All groundwater surface water and sediment samples were analyzed within required holding times for all methods of analysis.

2.6 Temperature

Chain of custody forms and cooler receipts document that the laboratory received all samples at temperatures ranging from 3 °C to 10 °C. The temperature of only the coolers were measured using an IR thermometer. The temperatures recorded on the cooler forms do not represent the actual sample temperature readings. The sediments were received at 10 °C. Cooler receipt forms indicate that all samples were packed in wet ice and that the melted ice/water was present upon opening. Coolers were hand delivered to the laboratory.

2.7 Completeness

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of > 99% completeness.

3.0 DATA VALIDATION

The objective when evaluating the quality of chemical data is to determine its usability. The evaluation is based upon the interpretation of the laboratory QC data, the field QC data, and the project Data Quality Objectives (DQOs). The evaluation process is often termed "data validation".

3.1 Laboratory Data Validation

Laboratory data were evaluated to assess , holding times, laboratory blanks, laboratory control samples, surrogate recoveries, and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). These criteria were used to evaluate the bias and precision of the data generated by the laboratory. The bias of the laboratory data was assessed through consideration of the following:

- Adherence to the prescribed method
- Recovery of MS/MSD from field samples
- Method blank contamination
- Adherence to sample preparation and holding times
- Recovery of surrogate spikes
- Field duplicate precision

3.2 Definition of Data Qualifiers

During the data validation process, all laboratory data had to be evaluated and assigned a data qualifier, as applicable. These qualifiers are defined in the February 1994 EPA document titled, "National Functional Guidelines for Organic Data Review." The guidance also describes procedures to be followed when qualifying data. The data qualifiers are defined as follows:

U = the compound was analyzed for, but was not detected above the level of the associated value.

J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.

UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to a variance from quality control limits.

R = the reported result or quantitation limit is rejected and unusable for all purposes. The analyte was analyzed for, but the presence or absence of the analyte can not be verified

Data qualifier flags were not assigned to data that were totally in compliance with Quality Control requirements.

For organic data, specifically VOCs, the positive and undetected (U) results were qualified as estimated (J/UJ) if one surrogate compound was detected outside acceptable recovery limits and/or the recovery was greater than 10 percent. If the recoveries of one surrogate compound were less than 10 percent, then the positive results were qualified as estimated (J) and the undetected results were rejected (R). Results of SVOCs compounds are validated in the same manner as VOC, the qualifiers are applied to results with one or more surrogate compounds detected outside the acceptable recovery limits.

Results for individual metals were qualified if percent recoveries for MS/MSD samples are low or outside acceptable recovery limits. If MS/MSD recoveries were greater than 125 percent, the positive results are acceptable (no qualifiers applied) and the undetected results were qualified as estimated (UJ). If percent recoveries of MS/MSD samples were between 30-74 percent, both the positive and undetected results were qualified as estimated (J/UJ). If recoveries were less than 30 percent, positive results were qualified as estimated (J) and undetected results are rejected (R).

3.3 Qualified Results

Groundwater and Surface water:

VOC's - Samples PDO-GW-0801, was qualified as estimated (J), due to low matrix spike recoveries for bromoform, 2-chloroethylvinyl ether and vinyl chloride.

Sample PDO-GW-0202, was qualified as estimated (J), due to low matrix spike recoveries for bromoform and 2-chloroethylvinyl ether.

The following samples were qualified as estimated (J), due to cooler temperatures received at the laboratory which exceeded 8°C: PDO-GW0501, PDO-GW0601, PDO-GW0701, PDO-GW0801, PDO-GW0901, PDO-GW1001, PDO-GW1101, PDO-GW1-2002, PDO-GW1-2102, PDO-GW1-2202, PDO-GW1-2502, PDO-SW0202, PDO-SW0301.

SVOC's - Sample PDO-GW-0801, was qualified as estimated (J), due to low matrix spike recoveries for twenty-seven analytes

Metals - Samples PDOMW02, PDOMW08 were qualified as estimated (J), due to low matrix spike recoveries for selenium.

Soil and Sediments:

VOC's - Samples PDOMW08, PDOMW09, were qualified as estimated (J), due to low matrix spike recoveries for acetone, 2-butanone and tetrachloroethene.

Samples PDOMW07, PDOMW10, PDOMW11, were qualified as estimated (J), due to low matrix spike recoveries for 2-hexanone.

Samples PDOMW08, PDOMW09, were qualified as estimated (J), due to low matrix spike recoveries for acetone, acrolein, 2-butanone and tetrachloroethene.

Samples PDO-SWE01, PDO-SWE02, PDO-SWE03, were qualified as estimated (J), due to low matrix spike recoveries for benzene and tetrachloroethene.

The following samples were qualified as estimated (J), due to cooler temperatures received at the laboratory at 10°C: PDO-SE0102, PDO-SE0202, PDO-SE0302, PDO-SE2002.

SVOC's - Samples PDOMW08, PDOMW09, were qualified as estimated (J), due to low matrix spike recoveries for 2-chloronaphthalene and fluorene.

Sample PDO-SWE01, was qualified as estimated (J), due to low matrix spike recoveries on nineteen analytes.

Metals - Sample PDOMW0501, was qualified as estimated (J), due to low matrix spike recoveries for arsenic and selenium.

4.0 PROBLEMS ENCOUNTERED

Any problems encountered during sample analysis for this investigation are described in detail below. Analytical data that did not meet the QC requirements were qualified as stated in Section 3.3.

4.1 Holding Times

No problems were present regarding hold times.

Temperature - Sample results were qualified according to the following criteria:

From 4 to 6 degrees - No Qualifiers.

From 6 to 8 degrees - "J" flag all VOC non-detects.

From 8 to 10 degrees - "J" flag all detects and nondetects for VOCs.

Greater than 10 degrees - "R" flag the entire sample for VOCs and SVOCs.

See Section 3.3 for samples qualified.

4.2 Surrogate Recovery

No problems were encountered other than one volatile surrogate slightly outside the required control limit.

4.3 Precision (% RPD)

RPDs for all methods of analysis of spiked samples were within required control limits with the exception of one matrix spiked groundwater sample PDO-GW-0801, which exhibited slightly high RPDs for selenium and three SVOC analytes. Groundwater sample PDO-GW-0202 also exhibited slightly high RPDs for selenium and eleven VOC analytes. No qualifiers were required.

RPDs for all methods of analysis of spiked samples were within required control limits with the exception of one matrix spiked sediment sample PDO-SWE01, which exhibited slightly high RPDs for all SVOC analytes. No qualifiers were required.

4.4 Field Duplicates

In addition to the matrix spike sample, field duplicates were collected to assess sampling precision. One duplicate sample was collected for groundwater and one duplicate sample was collected for soil which represent a frequency of approximately 10%, one for every ten field samples (rounded up), per matrix, per site, per sampling event. Field duplicates were within quality control RPD limits for 95% of the parameters analyzed. Sample duplicate precision is indicative that these data are comparable and representative of field conditions.

4.5 Equipment Rinsates

One equipment rinsate was collected during groundwater sampling and was free of contamination.

4.6 Laboratory Blanks

Laboratory blanks for all methods of analysis of groundwater, surface water, soil and sediment were analyzed at the required frequency and were free of contaminants.

4.7 Laboratory Control Standards

Laboratory control standards were within the specified method criteria with the exception of one VOC control for acrolein that was slightly below the required control limit. The sample results required no qualifications.

5.0 SUMMARY OF DATA QUALITY

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of >99% completeness. The results of the data validation indicate that 95% of the data is within QC limits and is acceptable to verify or deny any contamination present in the groundwater, surface water or sediments at this site.

Reviewed by: W. Vermeeschuk

Date: 10-8-98 C/H 12/2/98

hunter\chem\reports\PDO-98.ltm



CHAIN - OF - CUSTODY - RECORD

304
TASK ORDER NO. 97479

SAMPLE EVENT:

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Daniel Howard D. Thompson

[illegible]

५

Requisitioned by: Daniel L Howard Date/Time: 7/21/98/1815 Received by: [Signature] Date/Time: 7/22/98 09:10
(Signature)
*Remarks: Use sample PDO-SB0501 5VOC & metals for M5/M5D

00117

AIRBILL CO. Fed Ex

TRACKING NO: 801856468846

Send Results to: 24 cont.

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 110
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

h2

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO₃/METALS
(S) H₂SO₄/
(O) OTHER _____

STORED/SHIPPED IN ICE ☒ N

2



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00118

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN [Signature] TODAY'S DATE 7/22/98
DATE/TIME SAMPLES RECEIVED 7/22/98 09:10
AIRBILL NUMBER 80185 4646 8846 NO. OF COOLERS IN SHIPMENT 1
COOLER OPENED: DATE 7/22 TIME 09:10
CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐
CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐
SAMPLE LABELS PRESENT? YES ☒ NO ☐
BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐
TYPE OF COLLANT USED ice
COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN _____
FROZEN ☒
COOLER NUMBER # 881 TEMP INSIDE COOLER 6°

RECORD TEMPERATURE BLANK (1) 1/2 (2) _____ (3) _____
CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)
IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT:

PDO-SB0501
PDO-SB0501 MS/MSD
PDO-SB0502
PDO-SB0601

fedEx USA Airbill

FedEx
Tracking
Number

801856468846

0200

Form
FD No.

3739478

Recipient's Copy
00130/00150

From

7/21/98

Sender's
ID

Daniel Howard

Phone 404/881-8010

Company

Metcalf & Eddy

Address

201 Peachtree St, 4th Floor, Ste 1121

Dept./Room/Suite/Room

Atlanta

State

GA

ZIP

30361

Your Internal Billing Reference Information

Hunter LTM

To

Receiver's
ID

Phone (770) 734-4200

Company

ANALYTICAL SERVICES INC

Address

110 TECHNOLOGY PKWY

(Only at FedEx location, print FedEx address here)

Dept./Room/Suite/Room

☐ Check here
if residence
(Extra charge applies
for FedEx Express Saver)

NCRCRCSS

State

GA

ZIP

30092

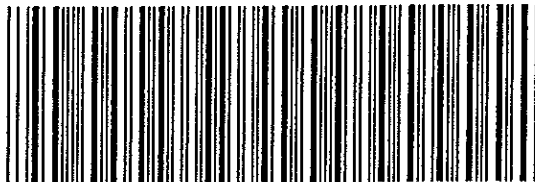
For HOLD at FedEx Location check here

☐ Hold Weekday
(Not available with
FedEx First Overnight)

☐ Hold Saturday (Not available at all locations)
(Available for FedEx Priority Overnight
and FedEx 2Day only)

For Saturday Delivery check here

☐ (Extra Charge. Not available at all locations)
(Available for FedEx Priority Overnight
and FedEx 2Day only)



8 0 1 8 5 6 4 6 8 8 4 6

4a Express Package Service Packages under 150 lbs.

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☐ FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply) *FedEx Letter Rate not available. Minimum charge One pound rate

4b Express Freight Service Packages over 150 lbs.

☐ FedEx Overnight Freight (Next business day) ☐ FedEx 2Day Freight (Second business day) ☐ FedEx Express Saver Freight (Up to 3 business days)

(Call for delivery schedule. See back for detailed descriptions of freight services)

5 Packaging

☐ FedEx Letter ☐ FedEx Pak ☐ FedEx Box ☐ FedEx Tube ☒ Other Pkg

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ No (Shipper's Declaration not required)

☐ Dry Ice (Dry Ice 9 UN 1845-11) (Dangerous Goods Shipper's Declaration required) ☐ CA ☐ Cargo Aircraft Only

7 Payment

Bill to: ☐ Sender (Accounting in Section 1 will be billed) ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check



Number Packages: 1 Number Pallets: 2 Number Restricted Values: \$1500.00 Number Kilograms: 5

*When declaring a value higher than \$500, you must pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE, AND LIMIT OF LIABILITY section for further information. Credit Card Auth.

8 Release Signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

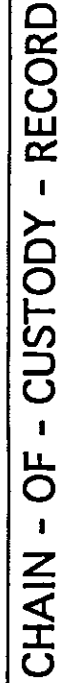
Questions?
Call 1-800-Go-FedEx (800)463-3339

287

99479

WCSL 2097
Rev. Date 5-97
Part #150258
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PRINTED IN U.S.A.

00110



WCH
ORDER NO. 97522

SAMPLE EVENT:

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: David Howard D. Howard

[illegible]

ANALYTICAL PARAMETERS/METHODS

[illegible]

Date/Time: _____

Cooler Temperature:

(Signature) Daniel Howard 7/22/98/1830 Under Below 7/23/98 09:00

Remarks: we had water Angle = 40° PH = 1/2 24cast

Remarks:

00120

AIRBILL CO.

TRACKING NO: 801856468824

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPE-ICEY/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.

UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative Christine Hettinger FAX # 404-872-3161

SUBCONTRACTOR _____ PROJECT # 021974-4102

SAMPLE CUSTODIAN David D. Johnson TODAY'S DATE 7/23/98

DATE/TIME SAMPLES RECEIVED 7/23/98 09:00

AIRBILL NUMBER 80185164108824 NO. OF COOLERS IN SHIPMENT 1

COOLER OPENED: DATE 7/23/98 TIME 09:10

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN _____

FROZEN ☒

COOLER NUMBER # 1307 TEMP INSIDE COOLER 4°C

RECORD TEMPERATURE BLANK (1) 1/2 (2) _____ (3) _____

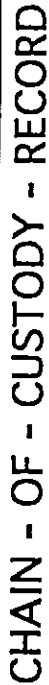
CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

1/2

LIST SAMPLE ID'S IN EACH SHIPMENT:

PDO - SB0602
PDO - SB5001
PDO - SB1001
PDO - SB1002



WD # 97623
TASK ORDER NO.

TASK ORDER NO.

SAMPLE EVENT:

SAMPLER(S) SIGNATURE: David Thomas D Humphreys

[illegible]

Relinquished by:
(Signature)

Date/Time:

Received by:

Dis. Stems:

Remarks:

Remarks: no road intersect ramp - 60° $qH = d/c$ 24 count

Send Results to: Woods + Woods

00123

AIRBILL CO.

$$L^0 \quad L^1 \quad L^\infty$$

PACKING NO. 20

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER

STATED / CLEARED IN 100%

ANALYTICAL PARAMETERS/METHODS

[illegible]

Cooler Temperature:

20



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00124

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative C. Hottinger FAX # (404) 872-3161

SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM

SAMPLE CUSTODIAN Michelle Johnson TODAY'S DATE 7/24/98

DATE/TIME SAMPLES RECEIVED 7/24/98 09:30

AIRBILL NUMBER 8018564168835 NO. OF COOLERS IN SHIPMENT 1

COOLER OPENED: DATE 7/24/98 TIME 10:00 am

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ice

COOLANT CONDITION: MELTED ☐ PARTIALLY MELTED/FROZEN ☐

FROZEN ☒

COOLER NUMBER # 7109 TEMP INSIDE COOLER 6°

RECORD TEMPERATURE BLANK (1) n/a (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

n/a

LIST SAMPLE ID'S IN EACH SHIPMENT: _____

PDO - SB 1101

PDO - SB 1102

PDO - SB 0701

PDO - SB 0702

edEx USA Airbill FedEx Tracking Number 801856468835

0200

Form 10 No 3739478

Recipient's Copy 80129700150

From 7/23/98
To Daniel Howard Phone 404-881-8010
Attn: Metcalf + Eddy
1201 Peachtree St, 400 Colony Sq, Ste 1101
Atlanta GA ZIP 30361
Your Internal Billing Reference Information Hunter LTM
To
3m's
Phone 770-734-4200

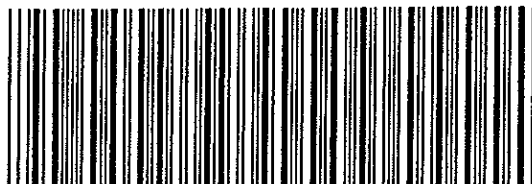
ANALYTICAL SERVICES INC

110 TECHNOLOGY PKWY
10' at FedEx location, print FedEx address here

Dept./Room/Suite/Room

☐ Check here if residence (Extra charge applies for FedEx Express Service)

NCRCCSS State GA ZIP 30092
For HOLD at FedEx Location check here
☐ Hold Weekday (Not available with FedEx First Overnight)
☐ Hold Saturday (Available for FedEx Priority Overnight and FedEx 2Day only)
For Saturday Delivery check here
☐ Extra Charge (Not available to all locations) (Available for FedEx Priority Overnight and FedEx 2Day only)



801856468835

4a Express Package Service Packages under 150 lbs.
☒ FedEx Priority Overnight (Next business morning)
☐ FedEx Standard Overnight (Next business afternoon)
☐ FedEx 2Day* (Second business day)
☐ FedEx Express Saver* (Third business day)
☐ FedEx First Overnight (Earliest next business morning delivery to select locations) (High rates apply)
*FedEx Letter Rate not available. Maximum charge One pound rate.

4b Express Freight Service Packages over 150 lbs.
☐ FedEx Overnight Freight (Next business day)
☐ FedEx 2Day Freight (Second business day)
☐ FedEx Express Saver Freight (Up to 3 business days)
(Call for delivery schedule. See back for detailed descriptions of freight services.)

5 Packaging ☐ FedEx Letter (Declared value limit \$500) ☐ FedEx Pak ☐ FedEx Box ☐ FedEx Tube ☒ Other Pkg

6 Special Handling
Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ No (Shipper's Declaration not required)
☐ Dry Ice (Dry Ice, 9 UN 1845 III, _____ kg XXX (Dangerous Goods Shipper's Declaration not required))
CA ☐ Cargo Aircraft Only

7 Payment
Bill to: ☐ Sender (Account must be billed) ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

8 Release Signature
Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.
Questions?
Call 1-800-Go-FedEx (800)463-3339
Total Packages 1 Total Weight 2.1 Total Declared Value \$.00 Total Charges \$
*When declaring a value higher than \$100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY sections for further information.
Credit Card Auth.

287

97623

00125



300 # 97746
TASK ORDER NO.

SAMPLE EVENT:

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Daniel K. Koval / D. Koval

Method No.

ANALYTICAL PARAMETERS/METHODS

[illegible]

Date/Time:

Cooler Temperature:

1/2 7/29/98 0835
 12 units

12/23/21

Send Results to:

281 # 50/80)

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO: 806464330713

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____
STORED/SHIPPED _____	



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00127

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161

SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM

SAMPLE CUSTODIAN Daniel A. Johnson TODAY'S DATE 7/29/98

DATE/TIME SAMPLES RECEIVED 7/29/98 08:35

AIRBILL NUMBER 806464330713 NO. OF COOLERS IN SHIPMENT 1002 / 873

COOLER OPENED: DATE 7/29/98 TIME 08:40

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN _____

FROZEN ☒

COOLER NUMBER # 1002 TEMP INSIDE COOLER 2°

RECORD TEMPERATURE BLANK (1) n/a (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?) INTACT

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

n/a

LIST SAMPLE ID'S IN EACH SHIPMENT:

PDO - SB0801 , PDO - SB0802

edEx USA AirbillFedEx
Tracking
Number

806464330713

Form
10 No.

0200

Recipient's Copy

From 7/28/98

31's Daniel Howard Phone 404/881-8010

3my Metcalf & Eddy

3SS 1201 Peachtree St, 400 Colony Sq, Ste 1161

Atlanta State GA ZIP 31361

Your Internal Billing Reference Information Hunter L7M PDC

To 31's Analytical Services Inc Phone 1770/734-4111

3my 400 Technology Pkwy

3SS 1100 at FedEx location, print FedEx address here

Norcross State GA ZIP 30092

For HLDL at FedEx Location check here

☐ Hold Weekday
(Not available with
FedEx First Overnight)☐ Hold Saturday
(Not available at all locations
Unavailable for FedEx Priority Overnight
and FedEx 2Day only)

For WEEKEND Delivery check here

☐ Saturday Delivery
(Available for FedEx Priority
Overnight and FedEx 2Day only)☐ NEW Sunday Delivery
(Available for FedEx
Priority Overnight only)

8 0 6 4 6 4 3 3 0 7 1 3

4a Express Package Service Packages under 150 lbs.

Delivery commitment may
be later in some areas

- ☒
- FedEx Priority Overnight
-
- (Next business morning)
-
- ☐
- FedEx Standard Overnight
-
- (Next business afternoon)
-
- ☐
- FedEx First Overnight
-
- (Earliest next business morning delivery to select locations (Higher rates apply))
-
- ☐
- FedEx 2Day
-
- (Second business day)
-
- ☐
- FedEx Express Saver
-
- (Third business day)
-
- FedEx Letter Rate not available. Minimum charge. One pound rate.

4b Express Freight Service Packages over 150 lbs.

Delivery commitment may
be later in some areas

- ☐
- FedEx Overnight Freight
-
- (Next business day)
-
- ☐
- FedEx 2Day Freight
-
- (Second business day)
-
- ☐
- FedEx Express Saver Freight
-
- (Up to 3 business days)

(Call for delivery schedule. See back for detailed descriptions of freight services.)

5 Packaging

- ☐
- FedEx Letter
-
- (Declared value limit \$50)
-
- ☐
- FedEx Pak
-
- ☐
- FedEx Box
-
- ☐
- FedEx Tube
-
- ☒
- Other Pkg.

6 Special Handling

(One box must be checked)

- Does this shipment contain dangerous goods?
- ☒
- No
- ☐
- Yes
- ☐
- Yes
-
- As per DOT
- ☐
- Yes
- ☐
- No
-
- Shippers
- ☐
- Declaration
- ☐
- Declaration
-
- Dry Ice
- ☐
- Dry Ice 3, UN 1845
- ☐
- Cargo Aircraft Only

*Dangerous Goods cannot be shipped in FedEx packaging

7 Payment

Obtain Recipient
FedEx Account No.

- Bill to:
- ☐
- Sender
- ☒
- Recipient
- ☐
- Third Party
- ☐
- Credit Card
- ☐
- Cash/Check
-
- (Enter FedEx Account No. or Credit Card No. below)



Total Packages 1 Total Weight 55 Total Declared Value* \$1500.00 Total Charges \$

*When declaring a value higher than \$100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE, AND LIMIT OF LIABILITY section for further information.

Credit Card Auth.

8 Release Signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agree to indemnify and hold harmless Federal Express from any resulting claims

322

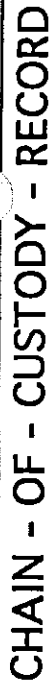
Questions?

Call 1-800-Go-FedEx® (800) 463-3339

Rev. Date 12/97
Part #150028
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20 FEB 98

97746

00128



WO# 97789
TASK ORDER NO.

SAMPLE EVENT:

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Daniel Howard D. Humphreys

Method No.

[illegible][illegible]

Relinquished by: Daniel Howard Date/Time: 7/29/98/1830 Received by: [Signature] Date/Time: 7/30/98 08:55
(Signature)
Remarks: we had water, temp = 30, pH = 7.2 12 cont

Cooler Temperature:

00123

AIRBILL CO. FedEx

TRACKING NO: 803543808261

Send Results to: Order #602

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 110
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):		STORED/SHIPPED IN ICE
(H)	HCl/VOC,	
(N)	HN ₃ /METALS	
(S)	H ₂ SO ₄ /	
(O)	OTHER	



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00100

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN Wanda Johnson TODAY'S DATE 7/30/98
DATE/TIME SAMPLES RECEIVED 7/30/98 08:55
AIRBILL NUMBER 803543808261 NO. OF COOLERS IN SHIPMENT 1

COOLER OPENED: DATE 7/30/98 TIME 09:00

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ice

COOLANT CONDITION: MELTED ☐ PARTIALLY MELTED/FROZEN ☐

FROZEN ☒

COOLER NUMBER # 602 TEMP INSIDE COOLER 3°C

RECORD TEMPERATURE BLANK (1) 1/2 (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

1/2

LIST SAMPLE ID'S IN EACH SHIPMENT: POO-SB0901 POO-SB0902

fedEx USA Airbill

FedEx
Tracking
Number

803543808261

Form
10, No.

0200

Recipient's Copy

From 7/24/98

Sender's name Daniel Howard 602 Phone (404) 881-8010

Company Metcalf & Eddy

Address 1201 Peachtree St, 4th Floor, Ste 1101

Atlanta State GA ZIP 30301

Your Internal Billing Reference Information Hunter LTM

To
Client's name Analytical Services Inc Phone (770) 734-4200

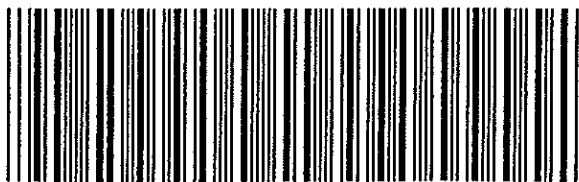
Company 110 Technology Pkwy

Norcross State GA ZIP 30092

at FedEx location, print FedEx address here Dept./Room/Suite/Room

For HOLD at FedEx Location check here

☐ Hold Weekday (Not available with FedEx First Overnight)
☐ Hold Saturday (Not available at all locations) (Available for FedEx Priority Overnight and FedEx 2Day only)
☐ Extra Charge, Not available at all locations (Available for FedEx Priority Overnight and FedEx 2Day only)



8 0 3 5 4 3 8 0 8 2 6 1

4a Express Package Service Packages under 150 lbs. Delivery commitment may be later in some areas

☒ FedEx Priority Overnight (Next business morning)
☐ FedEx Standard Overnight (Next business afternoon)
☐ FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)
☐ FedEx 2Day (Second business day)
☐ FedEx Express Saver (Third business day)
FedEx Letter Rate not available. Minimum charge: One pound rate.

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas

☐ FedEx Overnight Freight (Next business day)
☐ FedEx 2Day Freight (Second business day)
☐ FedEx Express Saver Freight (3 to 5 business days)
(Call for delivery schedule. See back for detailed descriptions of freight services.)

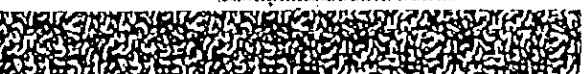
5 Packaging ☐ FedEx Letter ☐ FedEx Pak ☐ FedEx Box ☐ FedEx Tube ☒ Other
(Declared value limit \$500)

6 Special Handling (One box must be checked)

Does this shipment contain dangerous goods? ☒ No ☐ Yes (See back for instructions)
☐ Dry Ice (Dry Ice, 9, UN 1845)
CA ☐ Cargo Aircraft Only
*Dangerous Goods cannot be shipped in FedEx packaging

7 Payment ☐ Obtain Recipient's FedEx Account No.

Bill to: ☐ Sender (Account no. in section 1 and be billed) ☒ Recipient (Enter FedEx account no. or Credit Card no. below) ☐ Third Party ☐ Credit Card ☐ Cash/Check



Total Packages 1 Total Weight 33 Total Declared Value \$1500.00 Total Charges \$

*When declaring a value higher than \$100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE, AND LIMIT OF LIABILITY section for further information. Credit Card Auth.

8 Release Signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

Questions?
Call 1-800-Go-FedEx (800)463-3339

288

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GEPF 124

97789

00131



AST#98072

TASK ORDER NO. QV03

SAMPLE EVENT: Qtr Sampling

PROGRAM TYPE:-

SAMPLER(S) SIGNATURE: D. H. Russell

[illegible]

Method No.

ANALYTICAL PARAMETERS/METHODS

[illegible]

Date/Time:

Date/Time: 8/12/08 07:30

Cooler Temperature:

8/11/98/1830

8/12/21 9:30

color #1

$abc = \text{Vok}$
 $d = \text{metals}$
 $e = \text{Hg}$
 $fg = \text{SNA}$

Send Results to:

AIRBILL CO.

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

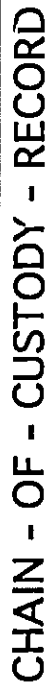
TRACKING NO: 8064164 330198

STORED/SHIPPED IN ICE/YAN

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(~~ND~~) HNO₃/METALS
(S) H₂SO₄/
(O) OTHER _____

STORED/SHIPPED IN ICE/YAN



CHAIN - OF - CUSTODY - RECORD

Metcalf & Eddy

AST# 98272

TASK ORDER NO. CVO3

SAMPLE EVENT: Qtr Sampling

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Thomas J. Powell

[illegible]

Date/Time: _____

Date/Time: /

Cooler Temperature:

8/2/8 09:30

Remarks: #1467 rel; seal intact; temp 30°C ; pH = 1 (weak) cor er #2

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

AIRBILL CO.

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5

TRACKING NO: ~~88~~ 806 463 30702

(704) 881-8010, FAX (404) 872-3161

STORED/SHIPPED IN ICE Y/N

ANALYTICAL PARAMETERS, METHODS

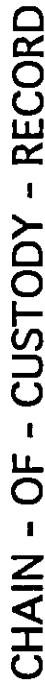
[illegible]

Method No.

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE Y/N



DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLED	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	STANDARD PRESERV (Y/N)*	FILTERED (L) LAB (P) FIELD
8-10-98	1615	W	PDO-TD1	PDO-MW04	BT11A	/	3	Y	-
↓	1635	↓	PDO-GW0402	PDO-MW04	PP01	/	7	Y	-
8-11-98	0955	↓	PDO-GW1-2302	PDO-MW1-23	PP01	/	7	Y	-
↓	1140	↓	PDO-GW0102	PDO-MW01	PP01	/	7	Y	-
↓	1400	↓	PDO-GW0202	PDO-MW02	PP01	/	3	Y	-
↓	1400	↓	PDO-GW0202 M51	PDO-MW02	SL11A	/	6	Y	-
↓	1505	↓	PDO-GW0302	PDO-MW03	PP01	/	3	Y	-
↓	1505	↓	PDO-GW5002	PDO-MW03	PD11	/	3	Y	-
↓	1645	↓	PDO-GW1-2402	PDO-MW1-24	PP01	/	3	Y	-
↓	1715	↓	PDO-GW1-1902	PDO-MW1-19	PP01	/	3	Y	-
						/			
						/			

8260	8270	RCRA	Metals		8260	8270	RCRA	Metals
X	X			-8	X	X		
X	X	X		-9	X	X	X	
X	X	X		-10	X	X	X	
X	X	X		-11	X	X	X	
X	X			-12	X	X		
X	-13, -14			-13	X	-13, -14		
X				-15	X			
X				-16	X			
X				-17	X			
X				-18	X			

Cooler Temperature:

TRACKING NO: 807126413559

STANDARD PRESERVATION (Y):

(H)	HCl/VOC,
(N)	HNO ₃ /METALS
(S)	H ₂ SO ₄ /
(O)	OTHER _____

STORED/SHIPPED IN ICE/ON _____



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00135

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN Sam Muller TODAY'S DATE 8/12/08
DATE/TIME SAMPLES RECEIVED 8/12/08 09:30
AIRBILL NUMBER 807126413559 NO. OF COOLERS IN SHIPMENT 3
COOLER OPENED: DATE 8/12/08 TIME 09:35
CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐
CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐
SAMPLE LABELS PRESENT? YES ☒ NO ☐
BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐
TYPE OF COLLANT USED ice
COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN X
FROZEN _____
COOLER NUMBER # 825 TEMP INSIDE COOLER 3°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____
CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)
IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-TB1, PDO-GW0402, PDO-GW1-2302,
PDO-GW0102, PDO-GW0202, PDO-GW0202 ms/msd, PDO-GW0302,
PDO-GW5002, PDO-GW1-2402, PDO-GW1-1902



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00100

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN Joe Murphy TODAY'S DATE 8/12/01
DATE/TIME SAMPLES RECEIVED 8/12/01 09:30
AIRBILL NUMBER 806464330098 NO. OF COOLERS IN SHIPMENT 3
COOLER OPENED: DATE 8/12/01 TIME 09:35
CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☐
CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐
SAMPLE LABELS PRESENT? YES ☒ NO ☐
BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐
TYPE OF COLLANT USED Ice
COOLANT CONDITION: MELTED ☐ PARTIALLY MELTED/FROZEN ☒
FROZEN ☐
COOLER NUMBER # 405 TEMP INSIDE COOLER 3

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT:

PDD-GW0202
PDD-GW0202 MS/MSD



PPO - GW5002
 PPO - GW0302
 PPO - GW - 2402
 PPO - GW - 1902



CHAIN - OF - CUSTODY - RECORD

PROJECT NAME:

Hunter LTM

TASK ORDER NO.

CVO3

PROJECT NO:

021974-4103

LABORATORY ID:

ASH

SAMPLER(S) NAME:

Rowell / D Howard

SAMPLER(S) SIGNATURE:

Thomas G Russell

Method No.

DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLE ID	SITE ID	RES. CODE	DEPTH (FT.)	NO. OF CONTS.	STANDARD PRESERV. (Y/N)*	FILTERED (L) LAB (P) FIELD
8/12/98	1110	W	PDO-GWI-2202	PDOMWI-22	PP01	/	4	Y	-
	1125	W	PDO-GWI-2502	PDOMWI-25	PP01	/	4	Y	-
	1415	W	PDO-GWO701	PDOMWO7	PP01	/	4	Y	-
✓	1430	W	PDO-GWO601	PDOMWO6	PP01	/	4	Y	-
						/			
						/			
						/			
			a-SVOA	samples VOA only		/			
			b-SVOA	a,b,c		/			
			c-Hg			/			
			d-metals			/			
			e			/			
			f > VOA (w/ars)			/			
			g			/			

Relinquished by
(Signature)Relinquished
(Signature)

Date/Time:

Date/Time: 8/14/2017

Received by:

Received by: David Howard
Date/Time: 8/14/98/1223 8:10

Date/Time:

Date/Time: 8/14/20

Cooler Temperature:

72

Remarks:

Wm. Ryan D. — 8/14/98

211

Send Results to:

Coover 1196

AIRBILL CO.

士

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

334

STANDARD PRESERVATION (Y):

(H) H₂O/H₂O₂

(ND) HNO₃/METALS

 $^{10}\text{S}^2\text{H}$ (s)

STORED/SHIPPED IN ICE



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

63100

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN W. Ryan Diver TODAY'S DATE 8/14/98
DATE/TIME SAMPLES RECEIVED 8/14/98 12:28
AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6

COOLER OPENED: DATE 8/14/98 TIME 12:22

CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☒
CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐
SAMPLE LABELS PRESENT? YES ☒ NO ☐
BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED ☒ PARTIALLY MELTED/FROZEN 8°C

FROZEN ☐

COOLER NUMBER # 1196 TEMP INSIDE COOLER 8°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-GW1-2202, PDO-GW1-2502,
PDO-GW0701, PDO-GW0601

98389



CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter LTM

TASK ORDER NO. C103

PROJECT NO: 02-1974-4103

SAMPLE EVENT: Gr. Sampling

LABORATORY ID: AST

PROGRAM TYPE:

SAMPLER(S) NAME: G Rowell / D Howard

SAMPLER(S) SIGNATURE: David H. Russell

[illegible]

Method No.

Relinquished by:
(Signature) David Howard

Date/Time: 8/14/98

Received by: 1200

Date/Time: 8/14/9

Cooler Temperature:

(Signature) James Howard

8/14/98 / 1222

Wooch

8/14/98 1220

Remarks:

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 30361
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

AIRBILL CO.

TRACKING NO:

00140

TRACKING NO:

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) ~~HNO₃/METALS~~
(S) H₂SO₄/
(O) OTHER _____

STORED / SHIPPED IN ICE ☒ Y ☐ N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00141

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hottinger FAX # (404) 872-3161

SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM

SAMPLE CUSTODIAN W. RYAN DIXON TODAY'S DATE 8/14/98

DATE/TIME SAMPLES RECEIVED 8/14/98 12:22 PM

AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6

COOLER OPENED: DATE 8/14/98 TIME 12:22

CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☒

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED ☒ PARTIALLY MELTED/FROZEN ☐

FROZEN ☐

COOLER NUMBER # ASI - NO # TEMP INSIDE COOLER 8°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SW0302, PDO-SW2002, PDO-GW1101

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter LTM

Hunter LTM

TASK ORDER NO. 2 V03

PROJECT NO: 021974-4103

SAMPLE EVENT: Qtr. Sampling

LABORATORY ID: ASI

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Howard H. Howell

SAMPLER(S) SIGNATURE: Howard H. Russell

[illegible]

Method No.

[illegible]

Relinquished by:
(Signature)

by: Gene Howard

Date/Time:

8/14/98/12264

Received by:

S. Hoach

Date/Time:

8/14/98 1220

Cooler Temperature:

700

Remarks:

000000

AIRBILL CO.

11/11/11

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

Coaxial

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO₃/METALS
(S) H₂SO₄/
(O) OTHER _____

STORED/SHIPPED IN ICE/YN



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00143

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161

SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM

SAMPLE CUSTODIAN Wm. Ryan Dine TODAY'S DATE 8/14/98

DATE/TIME SAMPLES RECEIVED 8/14/98 12:22⁰

AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6

COOLER OPENED: DATE 8/14/98 TIME 12:22

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☒

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED yes PARTIALLY MELTED/FROZEN

FROZEN

COOLER NUMBER # 221 TEMP INSIDE COOLER 7°C

#

#

#

#

RECORD TEMPERATURE BLANK (1) (2) (3)

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-GW1-0501; PDO-GW1-001; PDO-GW0701; PDO-GW0601; PDO-SW0102; PDO-SW0202

93889

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME:

Hunter LTM

TASK ORDER NO. 2V03

TASK ORDER NO. 2V03

PROJECT NO: 021974-4103

SAMPLE EVENT: *Qtr Sampling*

LABORATORY ID:

PROGRAM TYPE: S. Truesdell / S. Powell

SAMPLER(S) NAME:

SAMPLER(S) SIGNATURE: David H. / S. Brown

DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	STANDARD PRESERV (Y/N)*	FILTERED (L) LAB (P) FIELD
9/13/98	0810	S	PD0-SE0102	PD0SWE01	PP01	/	6	N	—
	0810	S	PD0- SE0102 ^{MSD}	PD0SWE01	PP01	541	6	N	—
	0920	S	PD0-SE0202	PD0SWE02	PP01	/	6	N	—
	1005	S	PD0-SE0302	PD0SWE03	PP01	/	6	N	—
✓	1005	S	PD0-SE2002	PD0SWE03	PD11	/	6	N	—
						/			
			a-VOA			/			
			b-SVOA			/			
			c-Metals			/			
			e,f,g - encore VOA			/			
						/			
						/			

Method No.

ANALYTICAL PARAMETERS/METHODS

[illegible]Relinquished by:
(Signature)

Yours Truly,
David Howard

Date/Time:

8/14/98/1221

Received by:

Received by: *Lucas*

Date/Time:

Date/Time: 8/14/98 12:20

Cooler Temperature:

Cooler Temperature: 18°C

Remarks:

000000

AIRBILL CO.

~~EdLx~~

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

COVER #11

STANDARD PRESERVATION (Y):

(H) HCN/HCN

(N) HNO₃/METALS

705H (S)

(b) (5) OTHER

STORED/SHIPPED IN ICE



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00145

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN Wm. Ryan Dineen TODAY'S DATE 8/14/98
DATE/TIME SAMPLES RECEIVED 8/14/98 12:20
AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6

COOLER OPENED: DATE 8/14/98 TIME 12:20

CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☒

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN ☒

FROZEN _____

COOLER NUMBER # 1411 TEMP INSIDE COOLER 10°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SE0102; PDO-SE0102 MS/MSD,
PDO-SE0202, PDO-SE0302, PDO-SE2002

5-11-1971



CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter LTM

TASK ORDER NO.

CVO3

PROJECT NO: 021974-4103

SAMPLE EVENT:

SAMPLE EVENT: Qtr Sampling

LABORATORY ID: ASI

PROGRAM TYPE:

SAMPLER(S) NAME: G. Rowell / D Howard

SAMPLER(S) SIGNATURE: P. Howard / G. Howell

DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	STANDARD PRESERV (Y/N)*	FILTERED (U) LAB (P) FIELD
8/12/98	0935	W	PD0-GW1-2002	PD0MW1-20	PP01	/	7	Y	—
	0945	W	PD0-GW1-2102	PD0MW1-21	PP01	/	7	Y	—
	0910	W	PD0-T802	PD0MW1-20	RT11	848/15	3	Y	—
	0920	W	PD0-E801	PD0MW1-20	BR11	848/15	7	Y	—
	1110	W	PD0-GW1-2202	PD0MW1-22	PP01	/	3	Y	—
	1125	W	PD0-GW1-2502	PD0MW1-25	PP01	/	3	Y	—
	1415	W	PD0-GW0701	PD0MW07 ⁰⁴	PP01	/	3	Y	—
	1430	W	PD0-GW0601	PD0MW06	PP01	/	3	Y	—
	1550	W	PD0-GW0901	PD0MW09	PP01	/	3	Y	—
	1615	W	PD0-GW0801	PD0MW08	PP01	/	3	Y	—
	1615	W	PD0-GW0801 ^{M3/MSD}	PD0MW08	SL11	848/15	6	Y	—
✓	1655	W	PD0- GW0501 ^{BH}	PD0MW05	PP01	/	3	Y	—

Method No.

VOCs	SVOC	METALS ICP Hg CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH / DRO	GRO
8260	8270	RCRA metals					
3	2	2		-18			
3	2	2		-19			
28				-20			
3	2	2		-21			
3				-22			
3				-23			
3				-24			
3				-25			
3				-26			
3				-27			
6				-28,-29			
3				-30			

Relinquished by: [Signature] Date/Time: 02-11-07
(Signature)

Received by:

Date/Time:

Cooler Temperature:

James L Howard 8/14/98/1222 dyer

8/14/98 1220

Remarks:

Send Results to:

00146

AIRBILL CO.

Feb 27

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

TRACKING NO:

(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

НЦ/НОС,

HNO₃/METALS

 H_2SO_4 (s)

(c) OTHER

STORED/SHIPPED IN ICE

cooler #5



CHAIN - OF - CUSTODY - RECORD

Hunter LTM

TASK ORDER NO.

C V03

TASK ORDER NO. C103

SAMPLE EVENT: Qtr Sampling

PROJECT NO: 021974-4103

LABORATORY ID: AST

SAMPLER(S) NAME: G Rowell / D Howard

SAMPLER(S) SIGNATURE: *D. Howard*

TIME	MATRIX	FIELD	SITE	DES	NO. OF NETS	STANDARD FILTERED
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Method No.

DATE	TIME MILITARY	MATRIX (SW)	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO OF CONTS.	STANDARD PRESERV. (Y/N)*	FILTERED (L) LAB (F) FIELD
8/12/98	1915	W ^{3H}	PDO-GW010			/			
8/12/98	1915	W	PDO-GW1001	PDOMW10	PP01	/	3	Y	-
8/13/98	0810	W	PDO-SW0102	PDOSWE01	PP01	/	3	Y	-
	0818	.				/			
8/13/98	0920	W	PDO-SW0202	PDOSWE02	PP01	/	3	Y	-
	1005	W	PDO-SW0302	PDOSWE03	PP01	/	3	Y	-
	1005	W	PDO-SW2002	PDOSWE20	PD01	/	3	Y	-
↓	1615	W	PDO-GW1101	PDOMW11	PP01	/	3	Y	
						/			
						/			
						/			
						/			

ANALYTICAL PARAMETERS, METHODS

V O C S	S V O C	M E T A L S ICP Hg CVAA GFAA	H E R B I C I D E S	P E S T I C I D E S	P C C B	T P H / D R O	G R O
8260							
3							
3							
3							
3							
3							
3							

Relinquished by:
(Signature)

by: D. C. Jones

Date/Time:

Received by

Date/Time: 8/14/98/1222 Received by: Sybil

Page 10

Cooler Temperature:

8/14/98 1220

Remarks:

Send Results to:

AIRBILL CO.

AIRBILL CO.

00147

TRACKING NO:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

☒ (H) HCl/VO₂
☐ (N) HNO₃/METALS
☐ (S) H₂SO₄/
☐ (O) OTHER _____

STORED/SHIPPED IN ICE Y/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00148

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative C. Hettinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN Wm. Ryan Dineen TODAY'S DATE 8/14/98
DATE/TIME SAMPLES RECEIVED 8/14/98 12:22

AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6

COOLER OPENED: DATE 8/14/98 TIME 12:22

CHAIN OF CUSTODY SEAL INTACT? YES ☒ NO ☒

CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐

SAMPLE LABELS PRESENT? YES ☒ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☒ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED ☒ PARTIALLY MELTED/FROZEN ☐

FROZEN ☐

COOLER NUMBER # 763 TEMP INSIDE COOLER 9°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

* PDO-SW0102 - Sample not received

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-SW0302, PDO-SW2002, PDO-GWI101, PDO-GWI2002, PDO-GWI2102, PDO-TB02, PDO-EB01, PDO-GWI-2202, PDO-GWI-2502, PDO-GW0701, PDO-GW0601, PDO-GW0901, PDO-GW0801, PDO-GW0801MS/MSD, PDO-GW0501, PDO-GW1001, PDO-SW0202, PDO-SW0302, PDO-SW2002, PDO-GW1101

28586



CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter-LTM

PROJECT NO: 021974-4103

LABORATORY ID: ASI

SAMPLER(S) NAME: G. Rowell / D Howard

TASK ORDER NO. CVO3

SAMPLE EVENT: Qtr Sampling

PROGRAM TYPE:

SAMPLER(S) SIGNATURE: Johnnie L Powell

Method No.

[illegible]

Relinquished by:
(Signature)

Date/Time:

Received by:

Date/Time:

Cooler Temperature:

Remarks:

00149

AIRBILL CO.

Coach #437

TRACKING NO:

Send Results to:

Christine Hettinger c/o METCALF & EDDY, INC.
1201 Peachtree St., N.E., 400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010, FAX (404) 872-3161

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO₃/METALS
(S) H₂SO₄/
(O) OTHER

STORED/SHIPPED IN ICE ☒ Y/N



SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

00100

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative C. Hottinger FAX # (404) 872-3161
SUBCONTRACTOR ASI LABS PROJECT # HUNTER LTM
SAMPLE CUSTODIAN W. Ryan Diver TODAY'S DATE 8/14/98
DATE/TIME SAMPLES RECEIVED 8/14/98 12:28
AIRBILL NUMBER N/A NO. OF COOLERS IN SHIPMENT 6
COOLER OPENED: DATE 8/14/98 TIME 12:22
CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☒
CHAIN OF CUSTODY PROVIDED? YES ☒ NO ☐
SAMPLE LABELS PRESENT? YES ☒ NO ☐
BOTTLE LABELS CORRESPOND W/COC? YES ☐ NO ☐
TYPE OF COLLANT USED ICE
COOLANT CONDITION: MELTED ☒ PARTIALLY MELTED/FROZEN ☐
FROZEN ☐
COOLER NUMBER # 1437 TEMP INSIDE COOLER 7°C

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____
CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT)
IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: PDO-GW0901, PDO-GW0801, PDO-GW0801 MS/MSD

HUNTER ARMY AIRFIELD PDO YARD

Page: 1A of 6C

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW05		PDOMW06		PDOMW06		PDOMW06		PDOMW07	
	SAMPLE ID	DATE	PDO-SB0501	07/21/98	PDO-SB0502	07/21/98	PDO-SB0601	07/22/98	PDO-SB0602	07/22/98	PDO-SB0001	07/23/98
DEPTH (ft)	6.00	6.00	16.00	Primary	6.00	Primary	6.00	Primary	16.00	Duplicate 1	16.00	6.00
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Acetone	<0.11	<0.13	<0.12	<0.13	<0.12	<0.13	<0.13	<0.13	<0.13	<0.13	<0.11	<0.11
Acrolein	<0.054	<0.063	<0.058	<0.063	<0.058	<0.063	<0.063	<0.063	<0.063	<0.063	<0.057	<0.057
Acrylonitrile	<0.054	<0.063	<0.058	<0.063	<0.058	<0.063	<0.063	<0.063	<0.063	<0.063	<0.057	<0.057
Benzene	<0.0054	<0.0063	<0.0058	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0057	<0.0057
Bromobenzene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Bromochloromethane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Bromodichloromethane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Bromoform	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Bromomethane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
2-Butanone (MEK)	<0.11	<0.13	<0.12	<0.13	<0.12	<0.13	<0.13	<0.13	<0.13	<0.13	<0.11	<0.11
n-Butylbenzene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
sec-Butylbenzene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
tert-Butylbenzene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Carbon disulfide	<0.011	0.028	<0.012	<0.013	<0.012	<0.013	0.014	<0.013	<0.013	<0.013	<0.011	<0.011
Carbon tetrachloride	<0.0054	<0.0063	<0.0058	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0057	<0.0057
Chlorobenzene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Chloroethane	<0.0054	<0.0063	<0.0058	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0057	<0.0057
Chloroform	<0.0054	<0.0063	<0.0058	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0057	<0.0057
Chloromethane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
2-Chlorotoluene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
4-Chlorotoluene	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
2-Chloroethylvinyl ether	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Dibromochloromethane	<0.0054	<0.0063	<0.0058	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0057	<0.0057
1,2-Dibromo-3-chloropropane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
1,2-Dibromoethane (EDB)	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011
Dibromomethane	<0.011	<0.013	<0.012	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.011	<0.011

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

SITE		PDOMW05	PDOMW05	PDOMW06	PDOMW06	PDOMW06	PDOMW07
CONSTITUENT	(Units in mg/kg)	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary
1,2-Dichlorobenzene		PDO-SB0501	07/21/98	6.00	Primary	<0.36#	<0.38#
1,3-Dichlorobenzene		PDO-SB0502	07/21/98	16.00	Primary	<0.41#	<0.41#
1,4-Dichlorobenzene		PDO-SB0501	07/21/98	6.00	Primary	<0.36#	<0.38#
Dichlorodifluoromethane		PDO-SB0502	07/21/98	16.00	Primary	<0.41#	<0.41#
1,1-Dichloroethane		PDO-SB0501	07/21/98	6.00	Primary	<0.011	<0.011
1,2-Dichloroethane		PDO-SB0502	07/21/98	16.00	Primary	<0.0054	<0.0057
1,1-Dichloroethene		PDO-SB0501	07/21/98	6.00	Primary	<0.0054	<0.0057
cis-1,2-Dichloroethene		PDO-SB0502	07/21/98	16.00	Primary	<0.0054	<0.0057
trans-1,2-Dichloroethene		PDO-SB0501	07/21/98	6.00	Primary	<0.0054	<0.0057
1,2-Dichloropropane		PDO-SB0502	07/21/98	16.00	Primary	<0.0054	<0.0057
1,3-Dichloropropane		PDO-SB0501	07/21/98	6.00	Primary	<0.0054	<0.0057
2,2-Dichloropropane		PDO-SB0502	07/21/98	16.00	Primary	<0.011	<0.011
1,1-Dichloropropene		PDO-SB0501	07/21/98	6.00	Primary	<0.011	<0.011
cis-1,3-Dichloropropene		PDO-SB0502	07/21/98	16.00	Primary	<0.0054	<0.0057
trans-1,3-Dichloropropene		PDO-SB0501	07/21/98	6.00	Primary	<0.0054	<0.0057
Ethyl benzene		PDO-SB0502	07/21/98	16.00	Primary	<0.0054	<0.0057
Hexachlorobutadiene		PDO-SB0501	07/21/98	6.00	Primary	<0.36#	<0.38#
2-Hexanone		PDO-SB0502	07/21/98	16.00	Primary	<0.054	<0.057 J
Isopropylbenzene		PDO-SB0501	07/21/98	6.00	Primary	<0.011	<0.011
p-Isopropyltoluene		PDO-SB0502	07/21/98	16.00	Primary	<0.011	<0.011
Methylene chloride		PDO-SB0501	07/21/98	6.00	Primary	<0.011	<0.011
Methyl isobutyl ketone (MIBK)		PDO-SB0502	07/21/98	16.00	Primary	<0.054	<0.057
Naphthalene		PDO-SB0501	07/21/98	6.00	Primary	<0.36#	<0.38#
n-Propylbenzene		PDO-SB0502	07/21/98	16.00	Primary	<0.011	<0.011
Styrene		PDO-SB0501	07/21/98	6.00	Primary	<0.0054	<0.0057
1,1,1,2-Tetrachloroethane		PDO-SB0502	07/21/98	16.00	Primary	<0.011	<0.011

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00152

HUNTER ARMY AIRFIELD PDO YARD

Page: 3A of 6C

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE	PDOMW05	PDOMW05	PDOMW06	PDOMW06	PDOMW06	PDOMW06	PDOMW07
	SAMPLE ID	PDO-SB0501	PDO-SB0502	PDO-SB0601	PDO-SB0602	PDO-SB0601	PDO-SB0602	PDO-SB0701
	DATE	07/21/98	07/21/98	07/21/98	07/21/98	07/22/98	07/22/98	07/23/98
DEPTH (ft)		6.00	16.00	6.00	16.00	16.00	16.00	6.00
RESULT TYPE		Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary
1,1,2,2-Tetrachloroethane		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
Tetrachloroethane		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
Toluene		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	0.0083	<0.0057
1,2,3-Trichlorobenzene		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
1,2,4-Trichlorobenzene		<0.36#	<0.41#	<0.38#	<0.41#	<0.41#	<0.41#	<0.38#
1,1,1-Trichloroethane		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
1,1,2-Trichloroethane		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
Trichloroethane		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
Trichlorofluoromethane		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
1,2,3-Trichloropropane		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
1,2,4-Trimethylbenzene		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
1,3,5-Trimethylbenzene		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
Vinyl Acetate		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
Vinyl Chloride		<0.011	<0.013	<0.012	<0.013	<0.013	<0.013	<0.011
m&p-Xylene		0.0088	0.0074	0.0064	0.011	0.020	<0.0063	<0.0057
o-Xylene		<0.0054	<0.0063	<0.0058	<0.0063	<0.0063	<0.0063	<0.0057
Acenaphthene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Acenaphthylene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Anthracene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Benzoic acid		<1.8	<2.1	<2.0	<2.1	<2.1	<2.1	<1.9
Benzo(a)anthracene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Benzo(a)pyrene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Benzo(b)fluoranthene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Benzo(g,h,i)perylene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38
Benzo(k)fluoranthene		<0.36	<0.41	<0.38	<0.41	<0.41	<0.41	<0.38

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

SITE	PDOMW05	PDOMW05	PDOMW06	PDOMW06	PDOMW06	PDOMW07
SAMPLE ID	PDO-SB0501	PDO-SB0502	PDO-SB0601	PDO-SB0602	PDO-SB0601	PDO-SB0701
DATE	07/21/98	07/21/98	07/21/98	07/22/98	07/22/98	07/23/98
DEPTH (ft)	6.00	16.00	6.00	16.00	16.00	6.00
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary
Benzyl alcohol	<0.72	<0.83	<0.77	<0.83	<0.83	<0.75
Bis(2-chloroethoxy) methane	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Bis(2-chloroethyl)ether	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Bis(2-chloroisopropyl) ether	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Bis(2-ethylhexyl)phthalate	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
4-Bromophenyl phenylether	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Butylbenzylphthalate	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
4-Chloroaniline	<0.72	<0.83	<0.77	<0.83	<0.83	<0.75
4-Chloro-3-methylphenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
2-Chlorophenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
2-Chloronaphthalene	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
4-Chlorophenyl phenyl ether	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Chrysene	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Dibenzo(a,h)anthracene	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Dibenzofuran	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Di-n-butyl phthalate	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
1,2-Dichlorobenzene	<0.36#	<0.41#	<0.38#	<0.41#	<0.41#	<0.38#
1,3-Dichlorobenzene	<0.36#	<0.41#	<0.38#	<0.41#	<0.41#	<0.38#
1,4-Dichlorobenzene	<0.36#	<0.41#	<0.38#	<0.41#	<0.41#	<0.38#
3,3'-Dichlorobenzidine	<0.72	<0.83	<0.77	<0.83	<0.83	<0.75
2,4-Dichlorophenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Diethyl phthalate	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
2,4-Dimethylphenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Dimethylphthalate	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
4,6-Dinitro,2-methylphenol	<1.8	<2.1	<2.0	<2.1	<2.1	<1.9
2,4-Dinitrophenol	<1.8	<2.1	<2.0	<2.1	<2.1	<1.9

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW05		PDOMW06		PDOMW06		PDOMW06		PDOMW07	
	SAMPLE ID		PDO-SB0501		PDO-SB0502		PDO-SB0601		PDO-SB0602		PDO-SB0701	
	DATE		07/21/98		07/21/98		07/21/98		07/22/98		07/23/98	
	DEPTH (ft)		6.00		16.00		6.00		16.00		6.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Duplicate 1		Primary	
2,4-Dinitrotoluene	<0.72		<0.83		<0.77		<0.83		<0.83		<0.75	
2,6-Dinitrotoluene	<0.72		<0.83		<0.77		<0.83		<0.83		<0.75	
Di-n-octylphthalate	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Fluoranthene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Fluorene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Hexachlorobenzene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Hexachlorobutadiene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Hexachlorocyclopentadiene	<0.36#		<0.41#		<0.38#		<0.41#		<0.41#		<0.38#	
Hexachloroethane	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Indeno(1,2,3-cd)pyrene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Isophorone	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
2-Methylnaphthalene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
2-Methylphenol	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Naphthalene	<0.36#		<0.41#		<0.38#		<0.41#		<0.41#		<0.38#	
2-Nitroaniline	<1.8		<2.1		<2.0		<2.1		<2.1		<1.9	
3-Nitroaniline	<1.8		<2.1		<2.0		<2.1		<2.1		<1.9	
4-Nitroaniline	<1.8		<2.1		<2.0		<2.1		<2.1		<1.9	
Nitrobenzene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
2-Nitrophenol	<1.8		<2.1		<2.0		<2.1		<2.1		<1.9	
4-Nitrophenol	<1.8		<2.1		<2.0		<2.1		<2.1		<1.9	
N-Nitrosodimethylamine	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
N-Nitrosodi-n-propylamine	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
N-Nitrosodiphenylamine	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Phenanthrene	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	
Pentachlorophenol	<0.72		<0.83		<0.77		<0.83		<0.83		<0.75	
Phenol	<0.36		<0.41		<0.38		<0.41		<0.41		<0.38	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

SITE	PDOMW05	PDOMW05	PDOMW06	PDOMW06	PDOMW06	PDOMW07
SAMPLE ID	PDO-SB0501	PDO-SB0502	PDO-SB0601	PDO-SB0602	PDO-SB5001	PDO-SB0701
DATE	07/21/98	07/21/98	07/21/98	07/22/98	07/22/98	07/23/98
DEPTH (ft)	6.00	16.00	6.00	16.00	16.00	6.00
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary
Pyrene	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
1,2,4-Trichlorobenzene	<0.36#	<0.41#	<0.38#	<0.41#	<0.41#	<0.38#
2,4,5-Trichlorophenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
2,4,6-Trichlorophenol	<0.36	<0.41	<0.38	<0.41	<0.41	<0.38
Arsenic	--	--	--	--	--	--
Barium	<3.0 J	<3.0	<3.0	<3.8	<3.8	<3.0
Cadmium	17	9.9	31	9.4	9.7	50
Chromium	<1.1	<1.3	<1.2	<1.3	<1.3	<1.1
Lead	1.4	2.3	5.0	3.8	3.7	6.9
Mercury	7.4	<3.1	4.7	<3.1	<3.1	34
Selenium	<0.27	<0.31	<0.29	<0.31	<0.31	<0.28
Silver	<4.0 J	<4.0	<4.0	<5.0	<5.0	<4.0
Zinc	<1.1	<1.3	<1.2	<1.3	<1.3	<1.1
	--	--	--	--	--	--

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= Constituent in more than one test method, highest result reported.

METHODS:8260.8270.RCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW07		PDOMW08		PDOMW08		PDOMW09		PDOMW09		PDOMW10	
	SAMPLE ID	DATE	DEPTH (ft)	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Acetone	PDO-SB0702	07/23/98	14.00	<0.12	<0.12 J	<0.12 J	<0.12 J	<0.12 J	<0.12 J	<0.13 J	<0.13 J	<0.12 J	<0.12 J	<0.12 J
Acrolein	PDO-SB0702	07/23/98	14.00	<0.062	<0.059 J	<0.062 J	<0.062 J	<0.061 J	<0.061 J	<0.067 J	<0.067 J	<0.060 J	<0.060 J	<0.060 J
Acrylonitrile	PDO-SB0702	07/23/98	14.00	<0.062	<0.059	<0.062	<0.062	<0.061	<0.061	<0.067	<0.067	<0.060 J	<0.060 J	<0.060 J
Benzene	PDO-SB0702	07/23/98	14.00	<0.0062	<0.0059	<0.0062	<0.0062	<0.0061	<0.0061	<0.0067	<0.0067	<0.0060 J	<0.0060 J	<0.0060 J
Bromobenzene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Bromochloromethane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Bromodichloromethane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Bromoform	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Bromomethane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
2-Butanone (MEK)	PDO-SB0702	07/23/98	14.00	<0.12	<0.12 J	<0.12 J	<0.12 J	<0.12 J	<0.12 J	<0.13 J	<0.13 J	<0.12 J	<0.12 J	<0.12 J
n-Butylbenzene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
sec-Butylbenzene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
tert-Butylbenzene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Carbon disulfide	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Carbon tetrachloride	PDO-SB0702	07/23/98	14.00	<0.0062	<0.0059	<0.0062	<0.0062	<0.0061	<0.0061	<0.0067	<0.0067	<0.0060 J	<0.0060 J	<0.0060 J
Chlorobenzene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Chloroethane	PDO-SB0702	07/23/98	14.00	<0.0062	<0.0059	<0.0062	<0.0062	<0.0061	<0.0061	<0.0067	<0.0067	<0.0060 J	<0.0060 J	<0.0060 J
Chloroform	PDO-SB0702	07/23/98	14.00	<0.0062	<0.0059	<0.0062	<0.0062	<0.0061	<0.0061	<0.0067	<0.0067	<0.0060 J	<0.0060 J	<0.0060 J
Chloromethane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
2-Chlorotoluene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
4-Chlorotoluene	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
2-Chloroethylvinyl ether	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Dibromochloromethane	PDO-SB0702	07/23/98	14.00	<0.0062	<0.0059	<0.0062	<0.0062	<0.0061	<0.0061	<0.0067	<0.0067	<0.0060 J	<0.0060 J	<0.0060 J
1,2-Dibromo-3-chloropropane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
1,2-Dibromoethane (EDB)	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J
Dibromomethane	PDO-SB0702	07/23/98	14.00	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.012 J	<0.012 J	<0.012 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE	PDOMW07	PDOMW08	PDOMW08	PDOMW09	PDOMW09	PDOMW10
	SAMPLE ID	PDO-SB0702	PDO-SB0801	PDO-SB0802	PDO-SB0901	PDO-SB0902	PDO-SB1001
	DATE	07/23/98	07/28/98	07/28/98	07/29/98	07/29/98	07/22/98
	DEPTH (ft)	14.00	6.00	14.00	8.00	22.00	6.00
	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
1,2-Dichlorobenzene		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
1,3-Dichlorobenzene		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
1,4-Dichlorobenzene		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
Dichlorodifluoromethane		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,1-Dichloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,2-Dichloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,1-Dichloroethene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
cis-1,2-Dichloroethene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
trans-1,2-Dichloroethene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,2-Dichloropropane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,3-Dichloropropane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
2,2-Dichloropropane		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,1-Dichloropropene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
cis-1,3-Dichloropropene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
trans-1,3-Dichloropropene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Ethyl benzene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Hexachlorobutadiene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
2-Hexanone		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
Isopropylbenzene		<0.062 J	<0.059	<0.062	<0.061	<0.067	<0.060 J
p-Isopropyltoluene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
Methylene chloride		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
Methyl isobutyl ketone (MIBK)		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
Naphthalene		<0.062	<0.059	<0.062	<0.061	<0.067	<0.060 J
n-Propylbenzene		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
Styrene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,1,1,2-Tetrachloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,1,1,2-Tetrachloroethane		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	PDOMW07 PDO-SB0702 07/23/98 14.00 Primary	PDOMW08 PDO-SB0801 07/28/98 6.00 Primary	PDOMW08 PDO-SB0802 07/28/98 14.00 Primary	PDOMW09 PDO-SB0901 07/29/98 8.00 Primary	PDOMW09 PDO-SB0902 07/29/98 22.00 Primary	PDOMW10 PDO-SB1001 07/22/98 6.00 Primary
1,1,2,2-Tetrachloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Tetrachloroethane		<0.0062	<0.0059 J	<0.0062 J	<0.0061 J	<0.0067 J	<0.0060 J
Toluene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,2,3-Trichlorobenzene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,2,4-Trichlorobenzene		<0.41#	<0.39#	<0.41#	<0.40#	<0.44#	<0.39#
1,1,1-Trichloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
1,1,2-Trichloroethane		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Trichloroethene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Trichlorofluoromethane		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,2,3-Trichloropropane		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,2,4-Trimethylbenzene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
1,3,5-Trimethylbenzene		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
Vinyl Acetate		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
Vinyl Chloride		<0.012	<0.012	<0.012	<0.012	<0.013	<0.012 J
m&p-Xylene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
o-Xylene		<0.0062	<0.0059	<0.0062	<0.0061	<0.0067	<0.0060 J
Acenaphthene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Acenaphthylene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Anthracene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Benzoic acid		<2.1	<2.0	<2.1	<2.1	<2.3	<2.0
Benzo(a)anthracene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Benzo(a)pyrene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Benzo(b)fluoranthene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Benzo(g,h,i)perylene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39
Benzo(k)fluoranthene		<0.41	<0.39	<0.41	<0.40	<0.44	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW07		PDOMW08		PDOMW08		PDOMW09		PDOMW09		PDOMW10	
	SAMPLE ID		PDO-SB0702		PDO-SB0801		PDO-SB0802		PDO-SB0901		PDO-SB0902		PDO-SB1001	
	DATE		07/23/98		07/28/98		07/28/98		07/29/98		07/29/98		07/22/98	
	DEPTH (ft)		14.00		6.00		14.00		8.00		22.00		6.00	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Benzyl alcohol	<0.81		<0.78		<0.81		<0.88		<0.79		<0.79		<0.79	
Bis(2-chloroethoxy) methane	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Bis(2-chloroethyl) ether	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Bis(2-chloroisopropyl) ether	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Bis(2-ethylhexyl) phthalate	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
4-Bromophenyl phenylether	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Burylbenzylphthalate	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
4-Chloroaniline	<0.81		<0.78		<0.81		<0.88		<0.79		<0.79		<0.79	
4-Chloro-3-methylphenol	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
2-Chlorophenol	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
2-Chloronaphthalene	<0.41		<0.39 J		<0.41 J		<0.44 J		<0.39		<0.39		<0.39	
4-Chlorophenyl phenyl ether	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Chrysene	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Dibenzo(a,h)anthracene	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Dibenzofuran	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Di-n-butyl phthalate	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
1,2-Dichlorobenzene	<0.41#		<0.39#		<0.41#		<0.44#		<0.39#		<0.39#		<0.39#	
1,3-Dichlorobenzene	<0.41#		<0.39#		<0.41#		<0.44#		<0.39#		<0.39#		<0.39#	
1,4-Dichlorobenzene	<0.41#		<0.39#		<0.41#		<0.44#		<0.39#		<0.39#		<0.39#	
3,3'-Dichlorobenzidine	<0.81		<0.78		<0.81		<0.88		<0.79		<0.79		<0.79	
2,4-Dichlorophenol	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Diethyl phthalate	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
2,4-Dimethylphenol	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
Dimethylphthalate	<0.41		<0.39		<0.41		<0.44		<0.39		<0.39		<0.39	
4,6-Dinitro,2-methylphenol	<2.1		<2.0		<2.1		<2.3		<2.0		<2.3		<2.0	
2,4-Dinitrophenol	<2.1		<2.0		<2.1		<2.3		<2.0		<2.3		<2.0	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8260, 8270, RCRA 8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW07		PDOMW08		PDOMW08		PDOMW09		PDOMW09		PDOMW10	
	SAMPLE ID	DATE	PDO-SB0702	07/23/98	PDO-SB0801	07/28/98	PDO-SB0802	07/28/98	PDO-SB0901	07/29/98	PDO-SB0902	07/29/98	PDO-SB1001	07/22/98
DEPTH (ft)	14.00	14.00	6.00	6.00	14.00	14.00	8.00	8.00	22.00	6.00	Primary	Primary	Primary	Primary
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
2,4-Dinitrotoluene	<0.81	<0.81	<0.78	<0.81	<0.81	<0.81	<0.80	<0.80	<0.88	<0.79	<0.79	<0.79	<0.79	<0.79
2,6-Dinitrotoluene	<0.81	<0.81	<0.78	<0.81	<0.81	<0.81	<0.80	<0.80	<0.88	<0.79	<0.79	<0.79	<0.79	<0.79
Di-n-octylphthalate	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Fluoranthene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Fluorene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Hexachlorobenzene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Hexachlorobutadiene	<0.41#	<0.41#	<0.39#	<0.41#	<0.41#	<0.41#	<0.40#	<0.40#	<0.44#	<0.39#	<0.39#	<0.39#	<0.39#	<0.39#
Hexachlorocyclopentadiene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Hexachloroethane	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Indeno(1,2,3-cd)pyrene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Isophorone	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
2-Methylnaphthalene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
2-Methylphenol	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Naphthalene	<0.41#	<0.41#	<0.39#	<0.41#	<0.41#	<0.41#	<0.40#	<0.40#	<0.44#	<0.39#	<0.39#	<0.39#	<0.39#	<0.39#
2-Nitroaniline	<2.1	<2.1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.3	<2.0	<2.0	<2.0	<2.0	<2.0
3-Nitroaniline	<2.1	<2.1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.3	<2.0	<2.0	<2.0	<2.0	<2.0
4-Nitroaniline	<2.1	<2.1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.3	<2.0	<2.0	<2.0	<2.0	<2.0
Nitrobenzene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
2-Nitrophenol	<2.1	<2.1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.3	<2.0	<2.0	<2.0	<2.0	<2.0
4-Nitrophenol	<2.1	<2.1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.3	<2.0	<2.0	<2.0	<2.0	<2.0
N-Nitrosodimethylamine	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
N-Nitrosodi-n-propylamine	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
N-Nitrosodiphenylamine	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Phenanthrene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39
Pentachlorophenol	<0.81	<0.81	<0.78	<0.81	<0.81	<0.81	<0.80	<0.80	<0.88	<0.79	<0.79	<0.79	<0.79	<0.79
Phenol	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.39	<0.39	<0.39	<0.39	<0.39

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW07		PDOMW08		PDOMW08		PDOMW09		PDOMW09		PDOMW10	
	SAMPLE ID	DATE	PDO-SB0702	07/23/98	PDO-SB0801	07/28/98	PDO-SB0802	07/28/98	PDO-SB0901	07/29/98	PDO-SB0902	07/29/98	PDO-SB1001	07/22/98
DEPTH (ft)	14.00	14.00	6.00	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Pyrene	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.44	<0.39	<0.39
1,2,4-Trichlorobenzene	<0.41#	<0.41#	<0.39#	<0.41#	<0.41#	<0.41#	<0.41#	<0.41#	<0.40#	<0.40#	<0.44#	<0.44#	<0.39#	<0.39#
2,4,5-Trichlorophenol	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.44	<0.39	<0.39
2,4,6-Trichlorophenol	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	<0.41	<0.41	<0.40	<0.40	<0.44	<0.44	<0.39	<0.39
Arsenic	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	<3.0	<3.0	<3.5	12	12	12	12	12	<3.7	<3.7	<4.0	<4.0	<3.8	<3.8
Cadmium	18	18	27	13	13	13	13	13	45	45	10	10	11	11
Chromium	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.3	<1.3	<1.2	<1.2
Lead	4.2	4.2	4.8	4.4	4.4	4.4	4.4	4.4	3.1	3.1	4.4	4.4	1.7	1.7
Mercury	3.2	3.2	3.2	<3.1	<3.1	<3.1	<3.1	<3.1	3.1	3.1	<3.3	<3.3	6.0	6.0
Selenium	<0.31	<0.31	<0.29	<0.31	<0.31	<0.31	<0.31	<0.31	<0.30	<0.30	<0.33	<0.33	<0.30	<0.30
Silver	<4.0	<4.0	<4.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.3	<5.3	<5.0	<5.0
Zinc	<1.0	<1.0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.3	<1.3	<1.2	<1.2
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260.8270.RCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW10		PDOMW11		PDOMW11	
	SAMPLE ID	DATE	PDO-SB1002	07/22/98	PDO-SB1101	07/23/98	PDO-SB1102	07/23/98
DEPTH (ft)	20.00	4.00	Primary	Primary	Primary	Primary	Primary	Primary
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Acetone	<0.13	<0.12	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Acrolein	<0.063	<0.059	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
Acrylonitrile	<0.063	<0.059	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
Benzene	<0.0063	<0.0059	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
Bromobenzene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Bromochloromethane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Bromodichloromethane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Bromoform	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Bromomethane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
2-Butanone (MEK)	<0.13	<0.12	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
n-Butylbenzene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
sec-Butylbenzene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
tert-Butylbenzene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Carbon disulfide	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Carbon tetrachloride	<0.0063	<0.0059	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
Chlorobenzene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Chloroethane	<0.0063	<0.0059	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
Chloroform	<0.0063	<0.0059	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
Chloromethane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
2-Chlorotoluene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
4-Chlorotoluene	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
2-Chloroethylvinyl ether	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Dibromochloromethane	<0.0063	<0.0059	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
1,2-Dibromo-3-chloropropane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
1,2-Dibromoethane (EDB)	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Dibromomethane	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: 8260, 8270, RCRA 8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00163

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW10		PDOMW11	
	SAMPLE ID		PDO-SB1002	PDO-SB1101	PDO-SB1102	
	DATE		07/22/98	07/23/98	07/23/98	
	DEPTH (ft)		20.00	4.00	22.00	
RESULT TYPE			Primary	Primary	Primary	
1,2-Dichlorobenzene		<0.41#	<0.39#	<0.42#	<0.42#	
1,3-Dichlorobenzene		<0.41#	<0.39#	<0.42#	<0.42#	
1,4-Dichlorobenzene		<0.41#	<0.39#	<0.42#	<0.42#	
Dichlorodifluoromethane		<0.013	<0.012	<0.013	<0.013	
1,1-Dichloroethane		<0.0063	<0.0059	<0.0063	<0.0063	
1,2-Dichloroethane		<0.0063	<0.0059	<0.0063	<0.0063	
1,1-Dichloroethene		<0.0063	<0.0059	<0.0063	<0.0063	
cis-1,2-Dichloroethene		<0.0063	<0.0059	<0.0063	<0.0063	
trans-1,2-Dichloroethene		<0.0063	<0.0059	<0.0063	<0.0063	
1,2-Dichloropropane		<0.0063	<0.0059	<0.0063	<0.0063	
1,3-Dichloropropane		<0.0063	<0.0059	<0.0063	<0.0063	
2,2-Dichloropropane		<0.013	<0.012	<0.013	<0.013	
1,1-Dichloropropene		<0.013	<0.012	<0.013	<0.013	
cis-1,3-Dichloropropene		<0.0063	<0.0059	<0.0063	<0.0063	
trans-1,3-Dichloropropene		<0.0063	<0.0059	<0.0063	<0.0063	
Ethyl benzene		<0.0063	<0.0059	<0.0063	<0.0063	
Hexachlorobutadiene		<0.41#	<0.39#	<0.42#	<0.42#	
2-Hexanone		<0.063	<0.059 J	<0.063 J	<0.063 J	
Isopropylbenzene		<0.013	<0.012	<0.013	<0.013	
p-Isopropyltoluene		<0.013	<0.012	<0.013	<0.013	
Methylene chloride		<0.013	<0.012	<0.013	<0.013	
Methyl isobutyl ketone (MIBK)		<0.063	<0.059	<0.063	<0.063	
Naphthalene		<0.41#	<0.39#	<0.42#	<0.42#	
n-Propylbenzene		<0.013	<0.012	<0.013	<0.013	
Styrene		<0.0063	<0.0059	<0.0063	<0.0063	
1,1,1,2-Tetrachloroethane		<0.013	<0.012	<0.013	<0.013	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8260, 8270, RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00164

HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW10		PDOMW11		PDOMW11	
	SAMPLE ID		PDO-SB1002		PDO-SB1101		PDO-SB1102	
	DATE		07/22/98		07/23/98		07/23/98	
	DEPTH (ft)		20.00	Primary	4.00	Primary	22.00	Primary
RESULT TYPE								
1,1,2,2-Tetrachloroethane			<0.0063		<0.0059		<0.0063	
Tetrachloroethene			<0.0063		<0.0059		<0.0063	
Toluene			0.0071		<0.0059		<0.0063	
1,2,3-Trichlorobenzene			<0.013		<0.012		<0.013	
1,2,4-Trichlorobenzene			<0.41#		<0.39#		<0.42#	
1,1,1-Trichloroethane			<0.0063		<0.0059		<0.0063	
1,1,2-Trichloroethane			<0.0063		<0.0059		<0.0063	
Trichloroethene			<0.0063		<0.0059		<0.0063	
Trichlorofluoromethane			0.016		<0.012		<0.013	
1,2,3-Trichloropropane			<0.013		<0.012		<0.013	
1,2,4-Trimethylbenzene			<0.013		<0.012		<0.013	
1,3,5-Trimethylbenzene			<0.013		<0.012		<0.013	
Vinyl Acetate			<0.013		<0.012		<0.013	
Vinyl Chloride			<0.013		<0.012		<0.013	
m & p-Xylene			0.024		<0.0059		<0.0063	
o-Xylene			<0.0063		<0.0059		<0.0063	
Acenaphthene			--		--		--	
Acenaphthylene			<0.41		<0.39		<0.42	
Anthracene			<0.41		<0.39		<0.42	
Benzoic acid			<0.41		<0.39		<0.42	
Benzo(a)anthracene			<2.1		<2.0		<2.2	
Benzo(a)pyrene			<0.41		<0.39		<0.42	
Benzo(b)fluoranthene			<0.41		<0.39		<0.42	
Benzo(g,h,i)perylene			<0.41		<0.39		<0.42	
Benzo(k)fluoranthene			<0.41		<0.39		<0.42	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8260, 8270, RCRA 8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00165

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

SITE		PDOMW10	PDOMW11	PDOMW11
CONSTITUENT	(Units in mg/kg)	SAMPLE ID	PDO-SB1101	PDO-SB1102
DATE		07/22/98	07/23/98	07/23/98
DEPTH (ft)		20.00	4.00	22.00
RESULT TYPE		Primary	Primary	Primary
Benzyl alcohol		<0.83	<0.78	<0.84
Bis(2-chloroethoxy) methane		<0.41	<0.39	<0.42
Bis(2-chloroethyl) ether		<0.41	<0.39	<0.42
Bis(2-chloroisopropyl) ether		<0.41	<0.39	<0.42
Bis(2-ethylhexyl) phthalate		<0.41	<0.39	<0.42
4-Bromophenyl phenyl ether		<0.41	<0.39	<0.42
Butylbenzyl phthalate		<0.41	<0.39	<0.42
4-Chloroaniline		<0.83	<0.78	<0.84
4-Chloro-3-methylphenol		<0.41	<0.39	<0.42
2-Chlorophenol		<0.41	<0.39	<0.42
2-Chloronaphthalene		<0.41	<0.39	<0.42
4-Chlorophenyl phenyl ether		<0.41	<0.39	<0.42
Chrysene		<0.41	<0.39	<0.42
Dibenzo(a,h)anthracene		<0.41	<0.39	<0.42
Dibenzofuran		<0.41	<0.39	<0.42
Di-n-butyl phthalate		<0.41	<0.39	<0.42
1,2-Dichlorobenzene		<0.41#	<0.39#	<0.42#
1,3-Dichlorobenzene		<0.41#	<0.39#	<0.42#
1,4-Dichlorobenzene		<0.41#	<0.39#	<0.42#
3,3'-Dichlorobenzidine		<0.83	<0.78	<0.84
2,4-Dichlorophenol		<0.41	<0.39	<0.42
Diethyl phthalate		<0.41	<0.39	<0.42
2,4-Dimethylphenol		<0.41	<0.39	<0.42
Dimethyl phthalate		<0.41	<0.39	<0.42
4,6-Dinitro, 2-methylphenol		<2.1	<2.0	<2.2
2,4-Dinitrophenol		<2.1	<2.0	<2.2

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8260, 8270, PCRA8 RCL 8000HSLs

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00166

HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT (Units in mg/kg)	SITE		PDOMW10		PDOMW11		PDOMW11	
	SAMPLE ID		PDO-SB1002		PDO-SB1101		PDO-SB1102	
	DATE		07/22/98		07/23/98		07/23/98	
	DEPTH (ft)		20.00		4.00		22.00	
RESULT TYPE			Primary		Primary		Primary	
2,4-Dinitrotoluene			<0.83		<0.78		<0.84	
2,6-Dinitrotoluene			<0.83		<0.78		<0.84	
Di-n-octylphthalate			<0.41		<0.39		<0.42	
Fluoranthene			<0.41		<0.39		<0.42	
Fluorene			<0.41		<0.39		<0.42	
Hexachlorobenzene			<0.41		<0.39		<0.42	
Hexachlorobutadiene			<0.41#		<0.39#		<0.42#	
Hexachlorocyclopentadiene			<0.41		<0.39		<0.42	
Hexachloroethane			<0.41		<0.39		<0.42	
Indeno(1,2,3-cd)pyrene			<0.41		<0.39		<0.42	
Isophorone			<0.41		<0.39		<0.42	
2-Methylnaphthalene			<0.41		<0.39		<0.42	
2-Methylphenol			<0.41		<0.39		<0.42	
Naphthalene			<0.41#		<0.39#		<0.42#	
2-Nitroaniline			<2.1		<2.0		<2.2	
3-Nitroaniline			<2.1		<2.0		<2.2	
4-Nitroaniline			<2.1		<2.0		<2.2	
Nitrobenzene			<0.41		<0.39		<0.42	
2-Nitrophenol			<2.1		<2.0		<2.2	
4-Nitrophenol			<2.1		<2.0		<2.2	
N-Nitrosodimethylamine			<0.41		<0.39		<0.42	
N-Nitrosodi-n-propylamine			<0.41		<0.39		<0.42	
N-Nitrosodiphenylamine			<0.41		<0.39		<0.42	
Phenanthrene			<0.41		<0.39		<0.42	
Pentachlorophenol			<0.83		<0.78		<0.84	
Phenol			<0.41		<0.39		<0.42	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00167

PHASE II PRIMARY ANALYTICAL RESULTS FOR SOIL

CONSTITUENT	Units in mg/kg	SITE		PDOMW10		PDOMW11		PDOMW11	
		SAMPLE ID	PDO-SB1002	PDO-SB1002	PDO-SB1002	PDO-SB1001	PDO-SB1001	PDO-SB1002	PDO-SB1002
		DATE	07/22/98	07/22/98	07/22/98	07/23/98	07/23/98	07/23/98	07/23/98
		DEPTH (ft)	20.00	4.00	22.00	Primary	Primary	Primary	Primary
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Pyrene			<0.41	<0.39	<0.42				
1,2,4-Trichlorobenzene			<0.41#	<0.39#	<0.42#				
2,4,5-Trichlorophenol			<0.41	<0.39	<0.42				
2,4,6-Trichlorophenol			<0.41	<0.39	<0.42				
Arsenic			--	--	--				
Barium			<3.8	<3.0	<3.0				
Cadmium			8.5	13	9.0				
Chromium			<1.3	<1.2	<1.3				
Lead			2.8	1.2	3.8				
Mercury			<3.1	5.6	<3.2				
Selenium			<0.31	<0.29	<0.32				
Silver			<5.0	<4.0	<4.0				
Zinc			<1.3	<1.2	<1.3				
			--	--	--				

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported. The following qualifier(s) exist: J

METHODS:8260,8270,RCRA8 RCL 8000HSLS

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00163

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EDO-1

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26701.D

Level: low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	5	J
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-1

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHEVA SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.01

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26701.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----	BROMOBENZENE	6	U
104-51-8-----	n-BUTYLBENZENE	6	U
98-06-6-----	tert-BUTYLBENZENE	6	U
135-98-8-----	sec-BUTYLBENZENE	6	U
95-49-8-----	2-CHLOROTOLUENE	6	U
106-43-4-----	4-CHLOROTOLUENE	6	U
95-50-1-----	1 2-DICHLOROBENZENE	6	U
541-73-1-----	1 3-DICHLOROBENZENE	6	U
106-46-7-----	1 4-DICHLOROBENZENE	6	U
142-28-9-----	1 3-DICHLOROPROPANE	6	U
594-20-7-----	2 2-DICHLOROPROPANE	6	U
563-58-6-----	1 1-DICHLOROPROPENE	6	U
87-68-3-----	HEXACHLOROBUTADIENE	6	U
98-82-8-----	ISOPROPYLBENZENE	6	U
99-87-6-----	p-ISOPROPYLTOLUENE	6	U
91-20-3-----	NAPHTHALENE	6	U
103-65-1-----	n-PROPYLBENZENE	6	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----	BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-1

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.01

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P16980.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.2

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-1

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.01

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P16980.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.2

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

CLIENT SAMPLE ID

PDO1

[illegible]

Comments:

CLIENT_ID = PDO-1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-1DUP

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.04

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26690.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	6	U
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-37-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U
96-18-4-----	1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----	DICHLORODIFLUOROMETHANE	6	U
75-69-4-----	TRICHLOROFLUOROMETHANE	6	U
74-95-3-----	DIBROMOMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-1DUP

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.04

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 026690.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----	BROMOBENZENE	6	U
104-51-8-----n	BUTYLBENZENE	6	U
98-06-6-----tert	BUTYLBENZENE	6	U
135-98-3-----sec	BUTYLBENZENE	6	U
95-49-8-----2	CHLOROTOLUENE	6	U
106-43-4-----4	CHLOROTOLUENE	6	U
95-50-1-----1	2-DICHLOROBENZENE	6	U
541-73-1-----1	3-DICHLOROBENZENE	6	U
106-46-7-----1	4-DICHLOROBENZENE	6	U
142-28-9-----1	3-DICHLOROPROPANE	6	U
594-20-7-----2	2-DICHLOROPROPANE	6	U
563-58-6-----1	1-DICHLOROPROPENE	6	U
87-68-3-----	HEXACHLOROBUTADIENE	6	U
98-82-8-----	ISOPROPYLBENZENE	6	U
99-87-6-----p	ISOPROPYLTOLUENE	6	U
91-20-3-----	NAPHTHALENE	6	U
103-65-1-----n	PROPYLBENZENE	6	U
87-61-6-----1 2	3-TRICHLOROBENZENE	6	U
120-82-1-----1 2	4-TRICHLOROBENZENE	6	U
95-63-6-----1 2	4-TRIMETHYLBENZENE	6	U
108-67-8-----1 3	5-TRIMETHYLBENZENE	6	U
74-97-5-----	BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-1DUP

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.04

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: P16981.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-1DUP

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.04

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: P16981.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 10 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	720	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-2

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.05

Sample wt/vol: 5.0 (g/mL) 3

Lab File ID: C26704.D

Level: low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 14

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg; UG/KG Q
---------	----------	---

74-87-3-----	CHLOROMETHANE	6	U
74-83-9-----	BROMOMETHANE	6	U
75-01-4-----	VINYL CHLORIDE	6	U
75-00-3-----	CHLOROETHANE	6	U
75-09-2-----	METHYLENE CHLORIDE	6	J
75-35-4-----	1 1-DICHLOROETHENE	6	U
75-34-3-----	1 1-DICHLOROETHANE	6	U
67-66-3-----	CHLOROFORM	6	U
107-06-2-----	1 2-DICHLOROETHANE	6	U
71-55-6-----	1 1 1-TRICHLOROETHANE	6	U
56-23-5-----	CARBON TETRACHLORIDE	6	U
75-27-4-----	BROMODICHLOROMETHANE	6	U
78-87-5-----	1 2-DICHLOROPROPANE	6	U
79-01-6-----	TRICHLOROETHENE	6	U
124-48-1-----	DIBROMOCHLOROMETHANE	6	U
79-00-5-----	1 1 2-TRICHLOROETHANE	6	U
71-43-2-----	BENZENE	6	U
75-25-2-----	BROMOFORM	6	U
127-18-4-----	TETRACHLOROETHENE	6	U
108-88-3-----	TOLUENE	6	U
79-34-5-----	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7-----	CHLOROBENZENE	6	U
100-41-4-----	ETHYL BENZENE	6	U
100-42-5-----	STYRENE	6	U
156-59-2-----	cis-1 2-DICHLOROETHENE	6	U
156-60-5-----	trans-1 2-DICHLOROETHENE	6	U
13-302-07-----	m,p-XYLENES	6	U
95-47-6-----	o-XYLENE	6	U
106-93-4-----	1 2-DIBROMOETHANE	6	U
630-20-6-----	1 1 1 2-TETRACHLOROETHANE	6	U
96-18-4-----	1 2 3-TRICHLOROPROPANE	6	U
75-71-8-----	DICHLORODIFLUOROMETHANE	6	U
75-69-4-----	TRICHLOROFLUOROMETHANE	6	U
74-95-3-----	DIBROMOMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-2

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.05

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26704.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 14

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----	BROMOBENZENE	6	U
104-51-8-----	n-BUTYLBENZENE	6	U
98-06-6-----	tert-BUTYLBENZENE	6	U
135-98-8-----	sec-BUTYLBENZENE	6	U
95-49-8-----	2-CHLOROTOLUENE	6	U
106-43-4-----	4-CHLOROTOLUENE	6	U
95-50-1-----	1 2-DICHLOROBENZENE	6	U
541-73-1-----	1 3-DICHLOROBENZENE	6	U
106-46-7-----	1 4-DICHLOROBENZENE	6	U
142-28-9-----	1 3-DICHLOROPROPANE	6	U
594-20-7-----	2 2-DICHLOROPROPANE	6	U
563-58-6-----	1 1-DICHLOROPROPENE	6	U
87-68-3-----	HEXACHLOROBUTADIENE	6	U
98-82-8-----	ISOPROPYLBENZENE	6	U
99-87-6-----	p-ISOPROPYLTOLUENE	6	U
91-20-3-----	NAPHTHALENE	6	U
103-65-1-----	n-PROPYLBENZENE	6	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	6	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	6	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5-----	BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-2

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.05

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16982.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 14 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 4.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl)ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
100-51-6-----	Benzyl alcohol	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	bis(2-Chloroisopropyl)ether	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
65-85-0-----	Benzoic Acid	1800	U
111-91-1-----	bis(2-Chloroethoxy)methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-2

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.05

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16982.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 14 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/28/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 4.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenylphenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	760	U
56-55-3-----	Benzo(a)anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	380	U
207-08-9-----	Benzo(k)fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----	Dibenz(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

CLIENT SAMPLE ID

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: EARTH-VA_____
Lab Code: SWOK_____ Case No.: 34977 SAS No.: _____ SDG No.: 34977_____
Matrix (soil/water): SOIL_____ Lab Sample ID: 34977.05
Level (low/med): LOW_____ Date Received: 07/24/98
% Solids: _____ 86.1

[illegible]

Texture: MEDIUM
Artifacts: _____

CLIENT_ID = _PDO-2 _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-3

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.06

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26718.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8

Date Analyzed: 07/31/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	2-DICHLOROETHANE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U

12
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-3

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.06

Sample wt/vol: 5.0 (g/mL) 3

Lab File ID: C26718.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 3

Date Analyzed: 07/31/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-8-----	n-BUTYLBENZENE	5	U
98-06-6-----	tert-BUTYLBENZENE	5	U
135-98-8-----	sec-BUTYLBENZENE	5	U
95-49-8-----	2-CHLOROTOLUENE	5	U
106-43-4-----	4-CHLOROTOLUENE	5	U
95-50-1-----	1 2-DICHLOROBENZENE	5	U
541-73-1-----	1 3-DICHLOROBENZENE	5	U
106-46-7-----	1 4-DICHLOROBENZENE	5	U
142-28-9-----	1 3-DICHLOROPROPANE	5	U
594-20-7-----	2 2-DICHLOROPROPANE	5	U
563-58-6-----	1 1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----	p-ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	5	U
103-65-1-----	n-PROPYLBENZENE	5	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-3

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.06

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16983.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-3

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.06

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16983.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.8

Dilution Factor: 1.0

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

PDO3

[illegible]

Comments :

FORM I - IN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-4

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.07

Sample wt/vol: 5.0 g/mL) 3

Lab File ID: 128256.2

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 3

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG 2

CAS NO.	COMPOUND		
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-4

Lab Code: SNOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.07

Sample wt/vol: 5.0 (g/mL) 3

Lab File ID: 128256.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-3-----	n-BUTYLBENZENE	5	U
98-06-6-----	tert-BUTYLBENZENE	5	U
135-98-8-----	sec-BUTYLBENZENE	5	U
95-49-8-----	2-CHLOROTOLUENE	5	U
106-43-4-----	4-CHLOROTOLUENE	5	U
95-50-1-----1	2-DICHLOROBENZENE	5	U
541-73-1-----1	3-DICHLOROBENZENE	5	U
106-46-7-----1	4-DICHLOROBENZENE	5	U
142-28-9-----1	3-DICHLOROPROPANE	5	U
594-20-7-----2	2-DICHLOROPROPANE	5	U
563-58-6-----1	1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----p	ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	78	U
103-65-1-----n	PROPYLBENZENE	5	U
87-61-6-----1	2 3-TRICHLOROBENZENE	5	U
120-82-1-----1	2 4-TRICHLOROBENZENE	5	U
95-63-6-----1	2 4-TRIMETHYLBENZENE	5	U
108-67-8-----1	3 5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-4

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.07

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: P16984.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl) ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl) ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy) methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-4

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.07

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: P16984.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	700	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	82	JB
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

PDO4

[illegible]

Texture: MEDIUM
Artifacts:

CLIENT ID = PDO-4

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-5

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.08

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C26707.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 7

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	4	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-5

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.08

Sample wt/vol: 5.0 g/mL) G

Lab File ID: C26707.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 7

Date Analyzed: 07/30/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

95-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-8-----	n-BUTYLBENZENE	5	U
98-06-6-----	tert-BUTYLBENZENE	5	U
135-98-8-----	sec-BUTYLBENZENE	5	U
95-49-8-----	2-CHLOROTOLUENE	5	U
106-43-4-----	4-CHLOROTOLUENE	5	U
95-50-1-----	1 2-DICHLOROBENZENE	5	U
541-73-1-----	1 3-DICHLOROBENZENE	5	U
106-46-7-----	1 4-DICHLOROBENZENE	5	U
142-28-9-----	1 3-DICHLOROPROPANE	5	U
594-20-7-----	2 2-DICHLOROPROPANE	5	U
563-58-6-----	1 1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----	p-ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	5	U
103-65-1-----	n-PROPYLBENZENE	5	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-5

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.08

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16985.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 7 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl)ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
100-51-6-----	Benzyl alcohol	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	bis(2-Chloroisopropyl)ether	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-5

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.08

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16985.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 7 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.3

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenylphenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	700	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
117-84-0-----	Di-n-octylphthalate	350	U
205-99-2-----	Benzo(b)fluoranthene	350	U
207-08-9-----	Benzo(k)fluoranthene	350	U
50-32-8-----	Benzo(a)pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350	U
53-70-3-----	Dibenz(a,h)anthracene	350	U
191-24-2-----	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

PD05

[illegible]

Texture: MEDIUM
Artifacts:

CLIENT ID = PDO-5

12
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-6

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.09

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 026720.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 13

Date Analyzed: 07/31/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
75-35-4	1,1-DICHLOROETHENE	6	U
75-34-3	1,1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1,2-DICHLOROETHANE	6	U
71-55-6	1,1,1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1,2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1,1,2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1,2-DICHLOROETHENE	6	U
156-60-5	trans-1,2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1,2-DIBROMOETHANE	6	U
630-20-6	1,1,1,2-TETRACHLOROETHANE	6	U
96-18-4	1,2,3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-6

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.09

Sample wt/vol: 5.0 (g/mL) 3

Lab File ID: C26720.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 18

Date Analyzed: 07/31/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1-----	BROMOBENZENE	6	U
104-51-8-----	n-BUTYLBENZENE	6	U
98-06-6-----	tert-BUTYLBENZENE	6	U
135-98-8-----	sec-BUTYLBENZENE	6	U
95-49-8-----	2-CHLOROTOLUENE	6	U
106-43-4-----	4-CHLOROTOLUENE	6	U
95-50-1-----1	2-DICHLOROBENZENE	6	U
541-73-1-----1	3-DICHLOROBENZENE	6	U
106-46-7-----1	4-DICHLOROBENZENE	6	U
142-28-9-----1	3-DICHLOROPROPANE	6	U
594-20-7-----2	2-DICHLOROPROPANE	6	U
563-58-6-----1	1-DICHLOROPROPENE	6	U
87-68-3-----	HEXACHLOROBUTADIENE	6	U
98-82-8-----	ISOPROPYLBENZENE	6	U
99-87-6-----p	ISOPROPYLTOLUENE	6	U
91-20-3-----	NAPHTHALENE	6	U
103-65-1-----n	PROPYLBENZENE	6	U
87-61-6-----1	2 3-TRICHLOROBENZENE	6	U
120-82-1-----1	2 4-TRICHLOROBENZENE	6	U
95-63-6-----1	2 4-TRIMETHYLBENZENE	6	U
108-67-8-----1	3 5-TRIMETHYLBENZENE	6	U
74-97-5-----	BROMOCHLOROMETHANE	6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-6

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.09

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: P16986.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 18 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	400 U
111-44-4-----	bis(2-Chloroethyl)ether	400 U
95-57-8-----	2-Chlorophenol	400 U
541-73-1-----	1,3-Dichlorobenzene	400 U
106-46-7-----	1,4-Dichlorobenzene	400 U
100-51-6-----	Benzyl alcohol	400 U
95-50-1-----	1,2-Dichlorobenzene	400 U
95-48-7-----	2-Methylphenol	400 U
108-60-1-----	bis(2-Chloroisopropyl)ether	400 U
106-44-5-----	4-Methylphenol	400 U
621-64-7-----	N-Nitroso-di-n-propylamine	400 U
67-72-1-----	Hexachloroethane	400 U
98-95-3-----	Nitrobenzene	400 U
78-59-1-----	Isophorone	400 U
88-75-5-----	2-Nitrophenol	400 U
105-67-9-----	2,4-Dimethylphenol	400 U
65-85-0-----	Benzoic Acid	1900 U
111-91-1-----	bis(2-Chloroethoxy)methane	400 U
120-83-2-----	2,4-Dichlorophenol	400 U
120-82-1-----	1,2,4-Trichlorobenzene	400 U
91-20-3-----	Naphthalene	400 U
106-47-8-----	4-Chloroaniline	400 U
87-68-3-----	Hexachlorobutadiene	400 U
59-50-7-----	4-Chloro-3-methylphenol	400 U
91-57-6-----	2-Methylnaphthalene	400 U
77-47-4-----	Hexachlorocyclopentadiene	400 U
88-06-2-----	2,4,6-Trichlorophenol	400 U
95-95-4-----	2,4,5-Trichlorophenol	1900 U
91-58-7-----	2-Chloronaphthalene	400 U
88-74-4-----	2-Nitroaniline	1900 U
131-11-3-----	Dimethylphthalate	400 U
208-96-8-----	Acenaphthylene	400 U
606-20-2-----	2,6-Dinitrotoluene	400 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-6

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.09

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: P16986.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 18 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenylphenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
84-74-2-----	Di-n-butylphthalate	400	U
206-44-0-----	Fluoranthene	71	J
129-00-0-----	Pyrene	86	J
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	800	U
56-55-3-----	Benzo(a)anthracene	71	J
218-01-9-----	Chrysene	76	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	52	JB
117-84-0-----	Di-n-octylphthalate	400	U
205-99-2-----	Benzo(b)fluoranthene	84	J
207-08-9-----	Benzo(k)fluoranthene	120	J
50-32-8-----	Benzo(a)pyrene	96	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	42	J
53-70-3-----	Dibenz(a,h)anthracene	400	U
191-24-2-----	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

Lab Name: SOUTHWEST_LAB_OF_OK Contract: EARTH-VA
Lab Code: SWOK Case No.: 34977 SAS No.: SDG No.: 34977
Matrix (soil/water): SOIL Lab Sample ID: 34977.09
Level (low/med): LOW Date Received: 07/24/98
% Solids: 81.9

[illegible]

Texture: MEDIUM
Artifacts:

CLIENT ID = PDO-6

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-7

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 128253.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----CHLOROMETHANE	5	U
74-83-9	-----BROMOMETHANE	5	U
75-01-4	-----VINYL CHLORIDE	5	U
75-00-3	-----CHLOROETHANE	5	U
75-09-2	-----METHYLENE CHLORIDE	5	U
75-35-4	-----1 1-DICHLOROETHENE	5	U
75-34-3	-----1 1-DICHLOROETHANE	5	U
67-66-3	-----CHLOROFORM	5	U
107-06-2	-----1 2-DICHLOROETHANE	5	U
71-55-6	-----1 1 1-TRICHLOROETHANE	5	U
56-23-5	-----CARBON TETRACHLORIDE	5	U
75-27-4	-----BROMODICHLOROMETHANE	5	U
78-87-5	-----1 2-DICHLOROPROPANE	5	U
79-01-6	-----TRICHLOROETHENE	5	U
124-48-1	-----DIBROMOCHLOROMETHANE	5	U
79-00-5	-----1 1 2-TRICHLOROETHANE	5	U
71-43-2	-----BENZENE	5	U
75-25-2	-----BROMOFORM	5	U
127-18-4	-----TETRACHLOROETHENE	5	U
108-88-3	-----TOLUENE	5	U
79-34-5	-----1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	-----CHLOROBENZENE	5	U
100-41-4	-----ETHYL BENZENE	5	U
100-42-5	-----STYRENE	5	U
156-59-2	-----cis-1 2-DICHLOROETHENE	5	U
156-60-5	-----trans-1 2-DICHLOROETHENE	5	U
13-302-07	-----m,p-XYLENES	5	U
95-47-6	-----o-XYLENE	5	U
106-93-4	-----1 2-DIBROMOETHANE	5	U
630-20-6	-----1 1 1 2-TETRACHLOROETHANE	5	U
96-18-4	-----1 2 3-TRICHLOROPROPANE	5	U
75-71-8	-----DICHLORODIFLUOROMETHANE	5	U
75-69-4	-----TRICHLOROFLUOROMETHANE	5	U
74-95-3	-----DIBROMOMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-7

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water) SOIL

Lab Sample ID: 34977.10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I28253.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 3

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-8-----	n-BUTYLBENZENE	5	U
98-06-6-----	tert-BUTYLBENZENE	5	U
135-98-8-----	sec-BUTYLBENZENE	5	U
95-49-8-----	2-CHLOROTOLUENE	5	U
106-43-4-----	4-CHLOROTOLUENE	5	U
95-50-1-----	1 2-DICHLOROBENZENE	5	U
541-73-1-----	1 3-DICHLOROBENZENE	5	U
106-46-7-----	1 4-DICHLOROBENZENE	5	U
142-28-9-----	1 3-DICHLOROPROPANE	5	U
594-20-7-----	2 2-DICHLOROPROPANE	5	U
563-58-6-----	1 1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----	p-ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	5	U
103-65-1-----	n-PROPYLBENZENE	5	U
87-61-6-----	1 2 3-TRICHLOROBENZENE	5	U
120-82-1-----	1 2 4-TRICHLOROBENZENE	5	U
95-63-6-----	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8-----	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-7

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.10

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16987.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.0

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl)ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
100-51-6-----	Benzyl alcohol	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	bis(2-Chloroisopropyl)ether	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
65-85-0-----	Benzoic Acid	1700	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-7

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.10

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: P16987.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/29/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 6.0

Dilution Factor: 1.0

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenylphenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenz(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

PDO7

[illegible]

Texture: MEDIUM
Artifacts:

CLIENT ID = PDO-7

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-3RE

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.11RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: I28252.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 3

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	3	J
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-8RE

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

Lab Code: SWOK

Case No.: EARTHVA SAS No.:

SDG No.: 34977

Matrix: soil/water: SOIL

Lab Sample ID: 34977.11RA

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 128252.D

Level: (low/med) LCW

Date Received: 07/24/98

% Moisture: not dec. 3

Date Analyzed: 08/05/98

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

96-12-8-----1	2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1-----	BROMOBENZENE	5	U
104-51-8-----n	BUTYLBENZENE	5	U
98-05-6-----tert	BUTYLBENZENE	5	U
135-98-8-----sec	BUTYLBENZENE	5	U
95-49-8-----2	CHLOROTOLUENE	5	U
106-43-4-----4	CHLOROTOLUENE	5	U
95-50-1-----1	2-DICHLOROBENZENE	5	U
541-73-1-----1	3-DICHLOROBENZENE	5	U
106-46-7-----1	4-DICHLOROBENZENE	5	U
142-28-9-----1	3-DICHLOROPROPANE	5	U
594-20-7-----2	2-DICHLOROPROPANE	5	U
563-58-6-----1	1-DICHLOROPROPENE	5	U
87-68-3-----	HEXACHLOROBUTADIENE	5	U
98-82-8-----	ISOPROPYLBENZENE	5	U
99-87-6-----p	ISOPROPYLTOLUENE	5	U
91-20-3-----	NAPHTHALENE	10	U
103-65-1-----n	PROPYLBENZENE	5	U
87-61-6-----1 2	3-TRICHLOROBENZENE	5	U
120-82-1-----1 2	4-TRICHLOROBENZENE	5	U
95-63-6-----1 2	4-TRIMETHYLBENZENE	5	U
108-67-8-----1 3	5-TRIMETHYLBENZENE	5	U
74-97-5-----	BROMOCHLOROMETHANE	5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

PDO-8

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.11

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17044.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/31/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 4.9

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-95-2-----Phenol	350	U
111-44-4-----bis(2-Chloroethyl)ether	350	U
95-57-8-----2-Chlorophenol	350	U
541-73-1-----1,3-Dichlorobenzene	350	U
106-46-7-----1,4-Dichlorobenzene	350	U
100-51-6-----Benzyl alcohol	350	U
95-50-1-----1,2-Dichlorobenzene	350	U
95-48-7-----2-Methylphenol	350	U
108-60-1-----bis(2-Chloroisopropyl)ether	350	U
106-44-5-----4-Methylphenol	350	U
621-64-7-----N-Nitroso-di-n-propylamine	350	U
67-72-1-----Hexachloroethane	350	U
98-95-3-----Nitrobenzene	350	U
78-59-1-----Isophorone	350	U
88-75-5-----2-Nitrophenol	350	U
105-67-9-----2,4-Dimethylphenol	350	U
65-85-0-----Benzoic Acid	180	J
111-91-1-----bis(2-Chloroethoxy)methane	350	U
120-83-2-----2,4-Dichlorophenol	350	U
120-82-1-----1,2,4-Trichlorobenzene	350	U
91-20-3-----Naphthalene	350	U
106-47-8-----4-Chloroaniline	350	U
87-68-3-----Hexachlorobutadiene	350	U
59-50-7-----4-Chloro-3-methylphenol	350	U
91-57-6-----2-Methylnaphthalene	350	U
77-47-4-----Hexachlorocyclopentadiene	350	U
88-06-2-----2,4,6-Trichlorophenol	350	U
95-95-4-----2,4,5-Trichlorophenol	1700	U
91-58-7-----2-Chloronaphthalene	350	U
88-74-4-----2-Nitroaniline	1700	U
131-11-3-----Dimethylphthalate	350	U
208-96-8-----Acenaphthylene	350	U
606-20-2-----2,6-Dinitrotoluene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDO-8

Lab Name: SWL-TULSA

Contract: HUNTER ARMY

ab Code: SWOK

Case No.: EARTH- SAS No.:

SDG No.: 34977

Matrix: (soil/water) SOIL

Lab Sample ID: 34977.11

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: P17044.D

Level: (low/med) LOW

Date Received: 07/24/98

% Moisture: not dec. 8 dec.

Date Extracted: 07/27/98

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/31/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N

pH: 4.9

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
99-09-2-----	3-Nitroaniline	1700 U
83-32-9-----	Acenaphthene	350 U
121-14-2-----	2,4-Dinitrotoluene	350 U
51-28-5-----	2,4-Dinitrophenol	1700 U
100-02-7-----	4-Nitrophenol	1700 U
132-64-9-----	Dibenzofuran	350 U
84-66-2-----	Diethylphthalate	350 U
7005-72-3-----	4-Chlorophenyl-phenylether	350 U
86-73-7-----	Fluorene	350 U
100-01-6-----	4-Nitroaniline	1700 U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700 U
86-30-6-----	N-Nitrosodiphenylamine (1)	350 U
101-55-3-----	4-Bromophenylphenylether	350 U
118-74-1-----	Hexachlorobenzene	350 U
87-86-5-----	Pentachlorophenol	1700 U
85-01-8-----	Phenanthrene	350 U
120-12-7-----	Anthracene	350 U
84-74-2-----	Di-n-butylphthalate	350 U
206-44-0-----	Fluoranthene	350 U
129-00-0-----	Pyrene	350 U
85-68-7-----	Butylbenzylphthalate	350 U
91-94-1-----	3,3'-Dichlorobenzidine	710 U
56-55-3-----	Benzo(a)anthracene	350 U
218-01-9-----	Chrysene	350 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	43 JB
117-84-0-----	Di-n-octylphthalate	350 U
205-99-2-----	Benzo(b)fluoranthene	350 U
207-08-9-----	Benzo(k)fluoranthene	350 U
50-32-8-----	Benzo(a)pyrene	350 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	350 U
53-70-3-----	Dibenz(a,h)anthracene	350 U
191-24-2-----	Benzo(g,h,i)perylene	350 U

(1) - Cannot be separated from Diphenylamine

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: EARTH-VA_____
Lab Code: SWOK_____ Case No.: 34977 SAS No.: _____ SDG No.: 34977_____
Matrix (soil/water): SOIL_____ Lab Sample ID: 34977.11
Level (low/med): LOW_____ Date Received: 07/24/98
% Solids: 92.3

[illegible]

Texture: MEDIUM
Artifacts: _____

FORM I - IN

HUNTER ARMY AIRFIELD PDO YARD

Page: 1A of 6D

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE RESULT TYPE	PDOMW01 PDO-GW0102 08/11/98 Primary	PDOMW02 PDO-GW0202 08/11/98 Primary	PDOMW03 PDO-GW0302 08/11/98 Primary	PDOMW03 Duplicate 1	PDOMW04 PDO-GW0402 08/10/98 Primary	PDOMW05 PDO-GW0501 08/12/98 Primary
Acetone		<100	<100	<100	<100	<100	<100 J
Benzene		64	4	<2	<2	<2	<2 J
Bromobenzene		<10	<10	<10	<10	<10	<10 J
Bromochloromethane		<10	<10	<10	<10	<10	<10 J
Bromodichloromethane		<10	<10	<10	<10	<10	<10 J
Bromoform		<10	<10 J	<10	<10	<10	<10 J
Bromomethane		<10	<10	<10	<10	<10	<10 J
2-Butanone (MEK)		<100	<100	<100	<100	<100	<100 J
n-Butylbenzene		<10	<10	<10	<10	<10	<10 J
sec-Butylbenzene		<10	<10	<10	<10	<10	<10 J
tert-Butylbenzene		<10	<10	<10	<10	<10	<10 J
Carbon disulfide		<10	<10	<10	<10	<10	<10 J
Carbon tetrachloride		<2	<2	<2	<2	<2	<2 J
Chlorobenzene		<10	<10	<10	<10	<10	<10 J
Chloroethane		<5	<5	<5	<5	<5	<5 J
Chloroform		<2	<2	<2	<2	<2	<2 J
Chloromethane		<10	<10	<10	<10	<10	<10 J
2-Chlorotoluene		<10	<10	<10	<10	<10	<10 J
4-Chlorotoluene		<10	<10	<10	<10	<10	<10 J
2-Chloroethylvinyl ether		<10	<10 J	<10	<10	<10	<10 J
Dibromochloromethane		<10	<10	<10	<10	<10	<10 J
1,2-Dibromo-3-chloropropane		<10	<10	<10	<10	<10	<10 J
1,2-Dibromoethane (EDB)		<10	<10	<10	<10	<10	<10 J
1,2-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE RESULT TYPE	PDOMW01 PDO-GW0102 08/11/98 Primary	PDOMW02 PDO-GW0202 08/11/98 Primary	PDOMW03 PDO-GW0302 08/11/98 Primary	PDOMW03 PDO-GW5002 08/11/98 Duplicate 1	PDOMW04 PDO-GW0402 08/10/98 Primary	PDOMW05 PDO-GW0501 08/12/98 Primary
Dichlorodifluoromethane		<10	<10	<10	<10	<10	<10 J
1,1-Dichloroethane		<2	<2	<2	<2	<2	<2 J
1,2-Dichloroethane		<2	<2	<2	<2	<2	<2 J
1,1,1,2-Tetrachloroethane		<2	<2	<2	<2	<2	<2 J
cis-1,2-Dichloroethane		<2	<2	<2	<2	<2	<2 J
trans-1,2-Dichloroethane		<2	<2	<2	<2	<2	<2 J
1,2-Dichloropropane		<2	<2	<2	<2	<2	<2 J
1,3-Dichloropropane		<2	<2	<2	<2	<2	<2 J
2,2-Dichloropropane		<10	<10	<10	<10	<10	<10 J
1,1-Dichloropropene		<10	<10	<10	<10	<10	<10 J
cis-1,3-Dichloropropene		<2	<2	<2	<2	<2	<2 J
trans-1,3-Dichloropropene		<2	<2	<2	<2	<2	<2 J
Ethyl benzene		16	<2	<2	<2	<2	<2 J
Hexachlorobutadiene		<10#	<10#	<10#	<10#	<10#	<10#
2-Hexanone		<10	<10	<10	<10	<10	<10 J
Isopropylbenzene		<10	<10	<10	<10	<10	<10 J
p-Isopropyltoluene		<10	<10	<10	<10	<10	<10 J
Methyl isobutyl ketone (MIBK)		<10	<10	<10	<10	<10	<10 J
Methylene chloride		<5	<5	<5	<5	<5	<5 J
Naphthalene		<10#	<10#	<10#	<10#	<10#	<10#
n-Propylbenzene		<10	<10	<10	<10	<10	<10 J
Styrene		<5	<5	<5	<5	<5	<5 J
1,1,1,2-Tetrachloroethane		<2	<2	<2	<2	<2	<2 J
1,1,2,2-Tetrachloroethane		<2	<2	<2	<2	<2	<2 J
Tetrachloroethene		<2	16	<2	<2	<2	47 J
Toluene		7	<2	<2	<2	<2	<2 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW01	PDOMW02	PDOMW03	PDOMW03	PDOMW04	PDOMW05
SAMPLE ID	DATE	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary
1,2,3-Trichlorobenzene			<10	<10	<10	<10	<10	<10 J
1,2,4-Trichlorobenzene			<10#	<10#	<10#	<10#	<10#	<10#
1,1,1-Trichloroethane			<2	<2	<2	<2	<2	<2 J
1,1,2-Trichloroethane			<2	<2	<2	<2	<2	<2 J
Trichloroethene			<2	<2	<2	<2	<2	<2 J
Trichlorofluoromethane			<10	<10	<10	<10	<10	<10 J
1,2,3-Trichloropropane			<10	<10	<10	<10	<10	<10 J
1,2,4-Trimethylbenzene			17	<10	<10	<10	<10	<10 J
1,3,5-Trimethylbenzene			<10	<10	<10	<10	<10	<10 J
Vinyl Chloride			<10	<10	<10	<10	<10	<10 J
m,p-Xylene			47	<5	<5	<5	<5	<5 J
o-Xylene			25	<5	<5	<5	<5	<5 J
Acenaphthene			--	--	--	--	--	--
Acenaphthylene			<10	<10	<10	<10	<10	<10
Anthracene			<10	<10	<10	<10	<10	<10
Benzo(a)anthracene			<10	<10	<10	<10	<10	<10
Benzo(a)pyrene			<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene			<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene			<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy) methane			<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether			<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether			<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)phthalate			<10	<10	<10	<10	<10	<10
4-Bromophenyl phenylether			<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene			<10	<10	<10	<10	<10	<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000AIAISI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW01	PDOMW02	PDOMW03	PDOMW03	PDOMW03	PDOMW04	PDOMW05
	SAMPLE ID	PDO-GW0102	PDO-GW0202	PDO-GW0302	PDO-GW5002	PDO-GW0402	PDO-GW0501	
DATE	08/11/98	08/11/98	08/11/98	08/11/98	08/11/98	08/10/98	08/12/98	
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	
Benzoic acid	<50	<50	<50	<50	<50	<50	<50	<50
Benzyl alcohol	<20	<20	<20	<20	<20	<20	<20	<20
Butylbenzylphthalate	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloroaniline	<20	<20	<20	<20	<20	<20	<20	<20
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10
Dibenz(a,h)anthracene	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10
Dibromomethane	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
3,3'-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	<20	<20
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10
Dimethylphthalate	<10	<10	<10	<10	<10	<10	<10	<10
4,6-Dinitro,2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<20	<20	<20	<20	<20	<20	<20	<20
2,6-Dinitrotoluene	<20	<20	<20	<20	<20	<20	<20	<20
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10

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= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

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HUNTER ARMY AIRFIELD PDO YARD
PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW01	PDOMW02	PDOMW03	PDOMW03	PDOMW03	PDOMW04	PDOMW05
	SAMPLE ID	PDO-GW0102	PDO-GW0202	PDO-GW0302	PDO-GW5002	PDO-GW0402	PDO-GW0501	
DATE	08/11/98	08/11/98	08/11/98	08/11/98	08/11/98	08/10/98	08/12/98	
RESULT TYPE	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<2	<2	<2	<2	<2	<2	<2	<2
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50
4-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50
N-Nitrosodimethylamine	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodi-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	<20	<20	<20	<20	<20	<20	<20	<20
Phenol	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10

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METHODS:8021B, 8310 For RCL 8000A/ASI

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CONSTITUENT	(Units in ug/l)	SITE	PDOMW01	PDOMW02	PDOMW03	PDOMW03	PDOMW03	PDOMW04	PDOMW05
		SAMPLE ID	PDO-GW0102	PDO-GW0202	PDO-GW0302	PDO-GW0302	PDO-GW5002	PDO-GW0402	PDO-GW0501
DATE		08/11/98	08/11/98	08/11/98	08/11/98	08/11/98	08/11/98	08/10/98	08/12/98
RESULT TYPE		Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Arsenic		<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
Barium		80.0	70.0	30.0	30.0	30.0	30.0	30.0	90.0
Cadmium		<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J
Chromium		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lead		<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J
Mercury		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium		<40.0	<40.0 J	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Silver		<10	<10	<10	<10	<10	<10	<10	<10
Zinc		---	---	---	---	---	---	---	---

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METHODS:8021B, 8310

For RCL 8000A/ASI

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW06	PDOMW07	PDOMW08	PDOMW09	PDOMW1-19	PDOMW1-20
		SAMPLE ID	PDO-GW0601	PDO-GW0701	PDO-GW0801	PDO-GW0901	PDO-GW1-1902	PDO-GW1-2002
		DATE	08/12/98	08/12/98	08/12/98	08/12/98	08/11/98	08/12/98
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Acetone			<100 J	<100 J	<100 J	<100 J	<100	<100 J
Benzene			36 J	<2 J	<2 J	<2 J	<2	<2 J
Bromobenzene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Bromochloromethane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Bromodichloromethane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Bromoform			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Bromomethane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
2-Butanone (MEK)			<100 J	<100 J	<100 J	<100 J	<10	<10 J
n-Butylbenzene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
sec-Butylbenzene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
tert-Butylbenzene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Carbon disulfide			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Carbon tetrachloride			<2 J	<2 J	<2 J	<2 J	<2	<2 J
Chlorobenzene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Chloroethane			<5 J	<5 J	<5 J	<5 J	<5	<5 J
Chloroform			<2 J	<2 J	<2 J	<2 J	<2	<2 J
Chloromethane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
2-Chlorotoluene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
4-Chlorotoluene			<10 J	<10 J	<10 J	<10 J	<10	<10 J
2-Chloroethylvinyl ether			<10 J	<10 J	<10 J	<10 J	<10	<10 J
Dibromochloromethane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2-Dibromo-3-chloropropane			<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2-Dibromoethane (EDB)			<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2-Dichlorobenzene			<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene			<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene			<10#	<10#	<10#	<10#	<10#	<10#

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METHODS:8021B, 8310 For RCL 8000A/IASI

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CONSTITUENT (Units in ug/l)	SITE	SAMPLE ID	DATE	RESULT TYPE	PDOMW06	PDOMW07	PDOMW08	PDOMW09	PDOMW1-19	PDOMW1-20
					PDO-GW0601	PDO-GW0701	PDO-GW0801	PDO-GW0901	PDO-GW1-1902	PDO-GW1-2002
					08/12/98	08/12/98	08/12/98	08/12/98	08/11/98	08/12/98
					Primary	Primary	Primary	Primary	Primary	Primary
Dichlorodifluoromethane					<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,1-Dichloroethane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,2-Dichloroethane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,1,1-Trichloroethane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
cis-1,2-Dichloroethene					<2 J	<2 J	<2 J	<2 J	<2	<2 J
trans-1,2-Dichloroethene					<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,2-Dichloropropane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,3-Dichloropropane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
2,2-Dichloropropane					<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,1-Dichloropropene					<10 J	<10 J	<10 J	<10 J	<10	<10 J
cis-1,3-Dichloropropene					<2 J	<2 J	<2 J	<2 J	<2	<2 J
trans-1,3-Dichloropropene					<2 J	<2 J	<2 J	<2 J	<2	<2 J
Ethyl benzene					5 J	<2 J	<2 J	<2 J	<2	<2 J
Hexachlorobutadiene					<10#	<10#	<10#	<10#	<10#	<10#
2-Hexanone					<10 J	<10 J	<10 J	<10 J	<10	<10 J
Isopropylbenzene					<10 J	<10 J	<10 J	<10 J	<10	<10 J
p-Isopropyltoluene					97 J	<10 J	<10 J	<10 J	<10	<10 J
Methyl isobutyl ketone (MIBK)					<10 J	<10 J	<10 J	<10 J	<10	<10 J
Methylene chloride					<5 J	<5 J	<5 J	<5 J	<5	<5 J
Naphthalene					<10#	<10#	<10# J	<10#	<10#	<10#
n-Propylbenzene					<10 J	<10 J	<10 J	<10 J	<10	<10 J
Styrene					<5 J	<5 J	<5 J	<5 J	<5	<5 J
1,1,1,2-Tetrachloroethane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,1,2,2-Tetrachloroethane					<2 J	<2 J	<2 J	<2 J	<2	<2 J
Tetrachloroethene					<2 J	<2 J	<2 J	<2 J	<2	<2 J
Toluene					<2 J	<2 J	<2 J	<2 J	<2	<2 J

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METHODS: 8021B, 8310 For RCL 8000A/IASI

HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW06	PDOMW07	PDOMW08	PDOMW09	PDOMW1-19	PDOMW1-20
SAMPLE ID	DATE	PDO-GW0601	PDO-GW0701	PDO-GW0801	PDO-GW0901	PDO-GW1-1902	PDO-GW1-2002
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,2,3-Trichlorobenzene	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2,4-Trichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,1,1-Trichloroethane	<2 J	<2 J	<2 J	<2 J	<2 J	<2	<2 J
1,1,2-Trichloroethane	<2 J	<2 J	<2 J	<2 J	<2 J	<2	<2 J
Trichloroethene	<2 J	<2 J	<2 J	<2 J	<2 J	<2	<2 J
Trichlorofluoromethane	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2,3-Trichloropropane	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,2,4-Trimethylbenzene	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
1,3,5-Trimethylbenzene	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
Vinyl Chloride	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10 J
m,p-Xylene	9 J	<5 J	<5 J	<5 J	<5 J	<5	<5 J
o-Xylene	8 J	<5 J	<5 J	<5 J	<5 J	<5	<5 J
Acenaphthene	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy) methane	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether	<10	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenylether	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10	<10

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METHODS:8021B, 8310 For RCL 8000A/ASI

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE		PDOMW06		PDOMW07		PDOMW08		PDOMW09		PDOMW1-19		PDOMW1-20	
	SAMPLE ID		PDO-GW0601		PDO-GW0701		PDO-GW0801		PDO-GW0901		PDO-GW1-1902		PDO-GW1-2002	
	DATE		08/12/98		08/12/98		08/12/98		08/12/98		08/11/98		08/12/98	
RESULT TYPE	Primary		Primary		Primary		Primary		Primary		Primary		Primary	
Benzoic acid	<50		<50		<50 J		<50		<50		<50		<50	
Benzyl alcohol	<20		<20		<20		<20		<20		<20		<20	
Butylbenzylphthalate	<10		<10		<10		<10		<10		<10		<10	
4-Chloroaniline	<20		<20		<20		<20		<20		<20		<20	
4-Chloro-3-methylphenol	<10		<10		<10 J		<10		<10		<10		<10	
2-Chloronaphthalene	<10		<10		<10 J		<10		<10		<10		<10	
2-Chlorophenol	<10		<10		<10 J		<10		<10		<10		<10	
4-Chlorophenyl phenyl ether	<10		<10		<10 J		<10		<10		<10		<10	
Chrysene	<10		<10		<10 J		<10		<10		<10		<10	
Dibenzo(a,h)anthracene	<10		<10		<10		<10		<10		<10		<10	
Dibenzofuran	<10		<10		<10		<10		<10		<10		<10	
Dibromomethane	<10 J		<10 J		<10 J		<10 J		<10 J		<10 J		<10 J	
Di-n-butyl phthalate	<10		<10		<10		<10		<10		<10		<10	
1,2-Dichlorobenzene	<10#		<10#		<10#		<10#		<10#		<10#		<10#	
1,3-Dichlorobenzene	<10#		<10#		<10#		<10#		<10#		<10#		<10#	
1,4-Dichlorobenzene	<10#		<10#		<10#		<10#		<10#		<10#		<10#	
3,3'-Dichlorobenzidine	<20		<20		<20 J		<20		<20		<20		<20	
2,4-Dichlorophenol	<10		<10		<10 J		<10 J		<10		<10		<10	
Diethyl phthalate	<10		<10		<10		<10		<10		<10		<10	
Dimethylphthalate	<10		<10		<10		<10		<10		<10		<10	
4,6-Dinitro,2-methylphenol	<50		<50		<50 J		<50		<50		<50		<50	
2,4-Dinitrophenol	<50		<50		<50 J		<50		<50		<50		<50	
2,4-Dinitrotoluene	<20		<20		<20		<20		<20		<20		<20	
2,6-Dinitrotoluene	<20		<20		<20		<20		<20		<20		<20	
Di-n-octylphthalate	<10		<10		<10		<10		<10		<10		<10	
2,4-Dimethylphenol	<10		<10		<10 J		<10 J		<10		<10		<10	

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW06	PDOMW07	PDOMW08	PDOMW09	PDOMW1-19	PDOMW1-20
	SAMPLE ID	PDO-GW0601	PDO-GW0701	PDO-GW0801	PDO-GW0901	PDO-GW1-1902	PDO-GW1-2002
DATE	08/12/98	08/12/98	08/12/98	08/12/98	08/11/98	08/12/98	08/12/98
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Fluoranthene	<10	<10	<10 J	<10	<10	<10	<10
Fluorene	<10	<10	<10 J	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10 J	<10	<10	<10	<10
Hexachlorobutadiene	<10#	<10#	<10#	<10#	<10#	<10#	<10#
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<2	<2	<2	<2	<2	<2	<2
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10#	<10#	<10# J	<10#	<10#	<10#	<10#
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50
4-Nitroaniline	<50	<50	<50	<50	<50	<50	<50
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10
2-Nitrophenol	<50	<50	<50 J	<50	<50	<50	<50
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50
N-Nitrosodimethylamine	<10	<10	<10 J	<10	<10	<10	<10
N-Nitrosodi-n-propylamine	<10	<10	<10	<10	<10	<10	<10
Phenanthrene	<10	<10	<10 J	<10	<10	<10	<10
Pentachlorophenol	<20	<20	<20 J	<20	<20	<20	<20
Phenol	<10	<10	<10 J	<10	<10	<10	<10
Pyrene	<10	<10	<10 J	<10	<10	<10	<10
1,2,4-Trichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#
2,4,5-Trichlorophenol	<10	<10	<10 J	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE		PDOMW06		PDOMW07		PDOMW08		PDOMW09		PDOMW1-19		PDOMW1-20	
	SAMPLE ID		PDO-GW0601		PDO-GW0701		PDO-GW0801		PDO-GW0901		PDO-GW1-1902		PDO-GW1-2002	
	DATE		08/12/98		08/12/98		08/12/98		08/12/98		08/11/98		08/12/98	
RESULT TYPE		Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic		--	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	--
Barium		40.0	40.0	60.0	60.0	100	2.7 J	10.0	10.0	60.0	60.0	40.0	40.0	40.0
Cadmium		<5.0 J	<5.0 J	<5.0 J	<5.0 J	2.7 J	<10.0	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J
Chromium		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lead		<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J
Mercury		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium		<40.0	<40.0	<40.0	<40.0	<40.0 J	<40.0 J	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Silver		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Zinc		--	--	--	--	--	--	--	--	--	--	--	--	--

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

METHODS:8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW1-21	PDOMW1-22	PDOMW1-23	PDOMW1-24	PDOMW1-25	PDOMW10
SAMPLE ID		PDO-GW1-2102	PDO-GW1-2202	PDO-GW1-2301	PDO-GW1-2401	PDO-GW1-2502	PDO-GW1001
DATE		08/12/98	08/12/98	08/11/98	08/11/98	08/12/98	08/12/98
RESULT TYPE		Primary	Primary	Primary	Primary	Primary	Primary
Acetone		<100 J	<100 J	<100	<100	<100 J	<100 J
Benzene		<2 J	<2 J	13	<2	29 J	<2 J
Bromobenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
Bromochloromethane		<10 J	<10 J	<10	<10	<10 J	<10 J
Bromodichloromethane		<10 J	<10 J	<10	<10	<10 J	<10 J
Bromoform		<10 J	<10 J	<10	<10	<10 J	<10 J
Bromomethane		<10 J	<10 J	<10	<10	<10 J	<10 J
2-Butanone (MEK)		<100 J	<100 J	<100	<100	<100 J	<100 J
n-Butylbenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
sec-Butylbenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
tert-Butylbenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
Carbon disulfide		<10 J	<10 J	<10	<10	<10 J	<10 J
Carbon tetrachloride		<2 J	<2 J	<2	<2	<2 J	<2 J
Chlorobenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
Chloroethane		<5 J	<5 J	<5	<5	<5 J	<5 J
Chloroform		<2 J	<2 J	<2	<2	<2 J	<2 J
Chloromethane		<10 J	<10 J	<10	<10	<10 J	<10 J
2-Chlorotoluene		<10 J	<10 J	<10	<10	<10 J	<10 J
4-Chlorotoluene		<10 J	<10 J	<10	<10	<10 J	<10 J
2-Chloroethylvinyl ether		<10 J	<10 J	<10	<10	<10 J	<10 J
Dibromochloromethane		<10 J	<10 J	<10	<10	<10 J	<10 J
1,2-Dibromo-3-chloropropane		<10 J	<10 J	<10	<10	<10 J	<10 J
1,2-Dibromoethane (EDB)		<10 J	<10 J	<10	<10	<10 J	<10 J
1,2-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#

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= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000AIAISI

J = RESULT IS ESTIMATED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW1-21	PDOMW1-22	PDOMW1-23	PDOMW1-24	PDOMW1-25	PDOMW10
SAMPLE ID	DATE	Primary	Primary	Primary	Primary	Primary	Primary
RESULT TYPE	DATE	Primary	Primary	Primary	Primary	Primary	Primary
Dichlorodifluoromethane		<10 J	<10 J	<10	<10	<10 J	<10 J
1,1-Dichloroethane		<2 J	<2 J	<2	<2	<2 J	<2 J
1,2-Dichloroethane		<2 J	<2 J	<2	<2	<2 J	<2 J
1,1-Dichloroethene		<2 J	<2 J	<2	<2	<2 J	<2 J
cis-1,2-Dichloroethene		<2 J	<2 J	<2	<2	<2 J	<2 J
trans-1,2-Dichloroethene		<2 J	<2 J	<2	<2	<2 J	<2 J
1,2-Dichloropropane		<2 J	<2 J	<2	<2	<2 J	<2 J
1,3-Dichloropropane		<2 J	<2 J	<2	<2	<2 J	<2 J
2,2-Dichloropropane		<10 J	<10 J	<10	<10	<10 J	<10 J
1,1-Dichloropropene		<10 J	<10 J	<10	<10	<10 J	<10 J
cis-1,3-Dichloropropene		<2 J	<2 J	<2	<2	<2 J	<2 J
trans-1,3-Dichloropropene		<2 J	<2 J	<2	<2	<2 J	<2 J
Ethyl benzene		<2 J	<2 J	8	<2	4 J	<2 J
Hexachlorobutadiene		<10#	<10#	<10#	<10#	<10#	<10#
2-Hexanone		<10 J	<10 J	<10	<10	<10 J	<10 J
Isopropylbenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
p-Isopropyltoluene		<10 J	<10 J	<10	<10	<10 J	<10 J
Methyl isobutyl ketone (MIBK)		<10 J	<10 J	<10	<10	<10 J	<10 J
Methylene chloride		<5 J	<5 J	<5	<5	<5 J	<5 J
Naphthalene		<10#	<10#	19#	<10#	<10#	<10#
n-Propylbenzene		<10 J	<10 J	<10	<10	<10 J	<10 J
Styrene		<5 J	<5 J	<5	<5	<5 J	<5 J
1,1,1,2-Tetrachloroethane		<2 J	<2 J	<2	<2	<2 J	<2 J
1,1,1,2,2-Tetrachloroethane		<2 J	<2 J	<2	<2	<2 J	<2 J
Tetrachloroethene		<2 J	11 J	<2	15	<2 J	<2 J
Toluene		<2 J	<2 J	<2	<2	<2 J	<2 J

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METHODS: 8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	Units in ug/l	SITE	PDOWW1-21	PDOWW1-22	PDOWW1-23	PDOWW1-24	PDOWW1-25	PDOWW10
SAMPLE ID	DATE	RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
1,2,3-Trichlorobenzene			<10 J	<10 J	<10	<10	<10 J	<10 J
1,2,4-Trichlorobenzene			<10#	<10#	<10#	<10#	<10#	<10#
1,1,1-Trichloroethane			<2 J	<2 J	<2	<2	<2 J	<2 J
1,1,2-Trichloroethane			<2 J	<2 J	<2	<2	<2 J	<2 J
Trichloroethene			<2 J	<2 J	<2	<2	<2 J	<2 J
Trichlorofluoromethane			<10 J	<10 J	<10	<10	<10 J	<10 J
1,2,3-Trichloropropane			<10 J	<10 J	<10	<10	<10 J	<10 J
1,2,4-Trimethylbenzene			<10 J	<10 J	27	<10	<10 J	<10 J
1,3,5-Trimethylbenzene			<10 J	<10 J	<10	<10	<10 J	<10 J
Vinyl Chloride			<10 J	<10 J	<10	<10	<10 J	<10 J
m,p-Xylene			<5 J	<5 J	<5	<5	6 J	<5 J
o-Xylene			<5 J	<5 J	<5	<5	<5 J	<5 J
Acenaphthene			--	--	--	--	--	--
Acenaphthylene			<10	<10	<10	<10	<10	<10
Anthracene			<10	<10	<10	<10	<10	<10
Benzo(a)anthracene			<10	<10	<10	<10	<10	<10
Benzo(a)pyrene			<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene			<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene			<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy) methane			<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether			<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether			<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)phthalate			<10	<10	<10	<10	<10	<10
4-Bromophenyl phenylether			<10	<10	<10	<10	<10	14
Benzo(b)fluoranthene			<10	<10	<10	<10	<10	<10

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METHODS:8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE		PDOMW1-21		PDOMW1-22		PDOMW1-23		PDOMW1-24		PDOMW1-25		PDOMW10	
	SAMPLE ID		PDO-GW1-2102		PDO-GW1-2202		PDO-GW1-2301		PDO-GW1-2401		PDO-GW1-2502		PDO-GW1001	
	DATE		08/12/98		08/12/98		08/11/98		08/11/98		08/12/98		08/12/98	
RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Benzoic acid	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Benzyl alcohol	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Butylbenzylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloroaniline	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibromomethane	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J
Di-n-butyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#	<10#
3,3'-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4,6-Dinitro, 2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
2,6-Dinitrotoluene	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

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METHODS: 8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

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HUNTER ARMY AIRFIELD PDO YARD

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW1-21	PDOMW1-22	PDOMW1-23	PDOMW1-24	PDOMW1-25	PDOMW10
SAMPLE ID		PDO-GW1-2102	PDO-GW1-2202	PDO-GW1-2301	PDO-GW1-2401	PDO-GW1-2502	PDO-GW1001
DATE		08/12/98	08/12/98	08/11/98	08/11/98	08/12/98	08/12/98
RESULT TYPE		Primary	Primary	Primary	Primary	Primary	Primary
Fluoranthene		<10	<10	<10	<10	<10	<10
Fluorene		<10	<10	<10	<10	<10	<10
Hexachlorobenzene		<10	<10	<10	<10	<10	<10
Hexachlorobutadiene		<10#	<10#	<10#	<10#	<10#	<10#
Hexachlorocyclopentadiene		<10	<10	<10	<10	<10	<10
Hexachloroethane		<2	<2	<2	<2	<2	<2
Indeno(1,2,3-cd)pyrene		<10	<10	<10	<10	<10	<10
Isophorone		<10	<10	<10	<10	<10	<10
2-Methylnaphthalene		<10	<10	18	<10	<10	<10
2-Methylphenol		<10	<10	<10	<10	<10	<10
Naphthalene		<10#	<10#	19#	<10#	<10#	<10#
2-Nitroaniline		<50	<50	<50	<50	<50	<50
3-Nitroaniline		<50	<50	<50	<50	<50	<50
4-Nitroaniline		<50	<50	<50	<50	<50	<50
Nitrobenzene		<10	<10	<10	<10	<10	<10
2-Nitrophenol		<50	<50	<50	<50	<50	<50
4-Nitrophenol		<50	<50	<50	<50	<50	<50
N-Nitrosodimethylamine		<10	<10	<10	<10	<10	<10
N-Nitrosodi-n-propylamine		<10	<10	<10	<10	<10	<10
Phenanthrene		<10	<10	<10	<10	<10	<10
Pentachlorophenol		<20	<20	<20	<20	<20	<20
Phenol		<10	<10	<10	<10	<10	<10
Pyrene		<10	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene		<10#	<10#	<10#	<10#	<10#	<10#
2,4,5-Trichlorophenol		<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol		<10	<10	<10	<10	<10	<10

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METHODS:8021B, 8310 For RCL 8000A/ASI

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW1-21	PDOMW1-22	PDOMW1-23	PDOMW1-24	PDOMW1-25	PDOMW10
		SAMPLE ID	PDO-GW1-2102	PDO-GW1-2202	PDO-GW1-2301	PDO-GW1-2401	PDO-GW1-2502	PDO-GW1001
		DATE	08/12/98	08/12/98	08/11/98	08/11/98	08/12/98	08/12/98
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Arsenic			--	--	--	--	--	--
Barium			<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
Cadmium			40.0	100	70.0	40.0	30.0	<10.0
Chromium			<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J	<5.0 J
Lead			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Mercury			<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J	<15.0 J
Selenium			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver			<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Zinc			<10	<10	<10	<10	<10	<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

METHODS:8021B, 8310 For RCL 8000AIASI

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PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW11
		SAMPLE ID	PDO-GW1101
		DATE	08/13/98
		RESULT TYPE	Primary
Acetone			<100 J
Benzene			<2 J
Bromobenzene			<10 J
Bromochloromethane			<10 J
Bromodichloromethane			<10 J
Bromoform			<10 J
Bromomethane			<10 J
2-Butanone (MEK)			<100 J
n-Butylbenzene			<10 J
sec-Butylbenzene			<10 J
tert-Butylbenzene			<10 J
Carbon disulfide			<10 J
Carbon tetrachloride			<2 J
Chlorobenzene			<10 J
Chloroethane			<5 J
Chloroform			<2 J
Chloromethane			<10 J
2-Chlorotoluene			<10 J
4-Chlorotoluene			<10 J
2-Chloroethylvinyl ether			<10 J
Dibromochloromethane			<10 J
1,2-Dibromo-3-chloropropane			<10 J
1,2-Dibromoethane (EDB)			<10 J
1,2-Dichlorobenzene			<10#
1,3-Dichlorobenzene			<10#
1,4-Dichlorobenzene			<10#
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed			
# = Constituent in more than one test method, highest result reported.			
METHODS: 8021B, 8310 For RCL 8000A/ASI			
			J = RESULT IS ESTIMATED R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW11
		SAMPLE ID	PDO-GW1101
		DATE	08/13/98
		RESULT TYPE	Primary
Dichlorodifluoromethane			<10 J
1,1-Dichloroethane			<2 J
1,2-Dichloroethane			<2 J
1,1-Dichloroethene			<2 J
cis-1,2-Dichloroethene			<2 J
trans-1,2-Dichloroethene			<2 J
1,2-Dichloropropane			<2 J
1,3-Dichloropropane			<2 J
2,2-Dichloropropane			<10 J
1,1-Dichloropropene			<10 J
cis-1,3-Dichloropropene			<2 J
trans-1,3-Dichloropropene			<2 J
Ethyl benzene			<2 J
Hexachlorobutadiene			<10#
2-Hexanone			<10 J
Isopropylbenzene			<10 J
p-Isopropyltoluene			<10 J
Methyl isobutyl ketone (MIBK)			<10 J
Methylene chloride			<5 J
Naphthalene			<10#
n-Propylbenzene			<10 J
Styrene			<5 J
1,1,1,2-Tetrachloroethane			<2 J
1,1,2,2-Tetrachloroethane			<2 J
Tetrachloroethene			<2 J
Toluene			<2 J
Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed			
# = Constituent in more than one test method, highest result reported.			
METHODS:8021B, 8310 For RCL 8000A/ASI			
J = RESULT IS ESTIMATED			R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOMW11
	SAMPLE ID	PDO-GW1101
	DATE	08/13/98
	RESULT TYPE	Primary
1,2,3-Trichlorobenzene		<10 J
1,2,4-Trichlorobenzene		<10#
1,1,1-Trichloroethane		<2 J
1,1,2-Trichloroethane		<2 J
Trichloroethene		<2 J
Trichlorofluoromethane		<10 J
1,2,3-Trichloropropane		<10 J
1,2,4-Trimethylbenzene		<10 J
1,3,5-Trimethylbenzene		<10 J
Vinyl Chloride		<10 J
m,p-Xylene		<5 J
o-Xylene		<5 J
Acenaphthene		--
Acenaphthylene		<10
Anthracene		<10
Benzo(a)anthracene		<10
Benzo(a)pyrene		<10
Benzo(g,h,i)perylene		<10
Benzo(k)fluoranthene		<10
Bis(2-chloroethoxy) methane		<10
Bis(2-chloroethyl) ether		<10
Bis(2-chloroisopropyl) ether		<10
Bis(2-ethylhexyl)phthalate		<10
4-Bromophenyl phenylether		<10
Benzo(b)fluoranthene		<10
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed		
# = Constituent in more than one test method, highest result reported.		
METHODS: 8021B, 8310 For RCL 8000A/ASI		
J = RESULT IS ESTIMATED		R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOWW11
	SAMPLE ID	PDO-GW1101
	DATE	08/13/98
	RESULT TYPE	Primary
Benzoic acid		<50
Benzyl alcohol		<20
Butylbenzylphthalate		<10
4-Chloroaniline		<20
4-Chloro-3-methylphenol		<10
2-Chloronaphthalene		<10
2-Chlorophenol		<10
4-Chlorophenyl phenyl ether		<10
Chrysene		<10
Dibenzo(a,h)anthracene		<10
Dibenzofuran		<10
Dibromomethane		<10 J
Di-n-butyl phthalate		<10
1,2-Dichlorobenzene		<10#
1,3-Dichlorobenzene		<10#
1,4-Dichlorobenzene		<10#
3,3'-Dichlorobenzidine		<20
2,4-Dichlorophenol		<10
Diethyl phthalate		<10
Dimethylphthalate		<10
4,6-Dinitro,2-methylphenol		<50
2,4-Dinitrophenol		<50
2,4-Dinitrotoluene		<20
2,6-Dinitrotoluene		<20
Di-n-octylphthalate		<10
2,4-Dimethylphenol		<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT (Units in ug/l)	SITE	PDOWW11
	SAMPLE ID	PDO-GW1101
	DATE	08/13/98
	RESULT TYPE	Primary
Fluoranthene		<10
Fluorene		<10
Hexachlorobenzene		<10
Hexachlorobutadiene		<10#
Hexachlorocyclopentadiene		<10
Hexachloroethane		<2
Indeno(1,2,3-cd)pyrene		<10
Isophorone		<10
2-Methylnaphthalene		<10
2-Methylphenol		<10
Naphthalene		<10#
2-Nitroaniline		<50
3-Nitroaniline		<50
4-Nitroaniline		<50
Nitrobenzene		<10
2-Nitrophenol		<50
4-Nitrophenol		<50
N-Nitrosodimethylamine		<10
N-Nitrosodi-n-propylamine		<10
Phenanthrene		<10
Pentachlorophenol		<20
Phenol		<10
Pyrene		<10
1,2,4-Trichlorobenzene		<10#
2,4,5-Trichlorophenol		<10
2,4,6-Trichlorophenol		<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR GROUNDWATER

CONSTITUENT	(Units in ug/l)	SITE	PDOMW11
		SAMPLE ID	PDO-GW1101
		DATE	08/13/98
		RESULT TYPE	Primary
Arsenic			--
Barium			<30.0
Cadmium			20.0
Chromium			<5.0 J
Lead			<10.0
Mercury			<15.0 J
Selenium			<0.50
Silver			<40.0
Zinc			<10
			--

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

METHODS:8021B, 8310 For RCL 8000A/ASI J = RESULT IS ESTIMATED R = RESULT IS REJECTED

HUNTER ARMY AIRFIELD PDO YARD

Page: 1A of 6A

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT (Units in ug/l)	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
SAMPLE ID	DATE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
RESULT TYPE	DATE	Primary	Primary	Primary	Duplicate 1
Acetone	--	<100 J	<100 J	<100 J	<100 J
Benzene	--	<2 J	<2 J	<2 J	<2 J
Bromobenzene	--	<10 J	<10 J	<10 J	<10 J
Bromochloromethane	--	<10 J	<10 J	<10 J	<10 J
Bromodichloromethane	--	<10 J	<10 J	<10 J	<10 J
Bromoform	--	<10 J	<10 J	<10 J	<10 J
Bromomethane	--	<10 J	<10 J	<10 J	<10 J
2-Butanone (MEK)	--	<100 J	<100 J	<100 J	<100 J
n-Butylbenzene	--	<10 J	<10 J	<10 J	<10 J
sec-Butylbenzene	--	<10 J	<10 J	<10 J	<10 J
tert-Butylbenzene	--	<10 J	<10 J	<10 J	<10 J
Carbon disulfide	--	<10 J	<10 J	<10 J	<10 J
Carbon tetrachloride	--	<2 J	<2 J	<2 J	<2 J
Chlorobenzene	--	<10 J	<10 J	<10 J	<10 J
Chloroethane	--	<5 J	<5 J	<5 J	<5 J
Chloroform	--	<2 J	<2 J	<2 J	<2 J
Chloromethane	--	<10 J	<10 J	<10 J	<10 J
2-Chlorotoluene	--	<10 J	<10 J	<10 J	<10 J
4-Chlorotoluene	--	<10 J	<10 J	<10 J	<10 J
2-Chloroethylvinyl ether	--	<10 J	<10 J	<10 J	<10 J
Dibromochloromethane	--	<10 J	<10 J	<10 J	<10 J
1,2-Dibromo-3-chloropropane	--	<10 J	<10 J	<10 J	<10 J
1,2-Dibromoethane (EDB)	--	<10 J	<10 J	<10 J	<10 J
1,2-Dichlorobenzene	<10	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene	<10	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene	<10	<10#	<10#	<10#	<10#
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed					
# = Constituent in more than one test method, highest result reported.					
METHODS: 8021B, 8310 For RCL 8000A/ASI					
				J = RESULT IS ESTIMATED	R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
(Units in ug/l)	SAMPLE ID	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
DATE	DATE	DATE	DATE	DATE	DATE
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1
Dichlorodifluoromethane	---	<10 J	<10 J	<10 J	<10 J
1,1-Dichloroethane	---	<2 J	<2 J	<2 J	<2 J
1,2-Dichloroethane	---	<2 J	<2 J	<2 J	<2 J
1,1-Dichloroethene	---	<2 J	<2 J	<2 J	<2 J
cis-1,2-Dichloroethene	---	<2 J	<2 J	<2 J	<2 J
trans-1,2-Dichloroethene	---	<2 J	<2 J	<2 J	<2 J
1,2-Dichloropropane	---	<2 J	<2 J	<2 J	<2 J
1,3-Dichloropropane	---	<2 J	<2 J	<2 J	<2 J
2,2-Dichloropropane	---	<10 J	<10 J	<10 J	<10 J
1,1-Dichloropropene	---	<10 J	<10 J	<10 J	<10 J
cis-1,3-Dichloropropene	---	<2 J	<2 J	<2 J	<2 J
trans-1,3-Dichloropropene	---	<2 J	<2 J	<2 J	<2 J
Ethyl benzene	---	<2 J	<2 J	<2 J	<2 J
Hexachlorobutadiene	<10	<10#	<10#	<10#	<10#
2-Hexanone	---	<10 J	<10 J	<10 J	<10 J
Isopropylbenzene	---	<10 J	<10 J	<10 J	<10 J
p-Isopropyltoluene	---	<10 J	<10 J	<10 J	<10 J
Methyl isobutyl ketone (MIBK)	---	<10 J	<10 J	<10 J	<10 J
Methylene chloride	---	<5 J	<5 J	<5 J	<5 J
Naphthalene	<10	23#	<10#	<10#	<10#
n-Propylbenzene	---	<10 J	<10 J	<10 J	<10 J
Styrene	---	<5 J	<5 J	<5 J	<5 J
1,1,1,2-Tetrachloroethane	---	<2 J	<2 J	<2 J	<2 J
1,1,2,2-Tetrachloroethane	---	<2 J	<2 J	<2 J	<2 J
Tetrachloroethene	---	<2 J	<2 J	<2 J	<2 J
Toluene	---	<2 J	<2 J	<2 J	<2 J
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed					
# = Constituent in more than one test method, highest result reported.					
METHODS:8021B, 8310 For RCL 8000A/IASI					
				J = RESULT IS ESTIMATED	R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT (Units in ug/l)	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
SAMPLE ID	DATE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
DATE	08/13/98	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate 1
1,2,3-Trichlorobenzene	--	<10 J	<10 J	<10 J	<10 J
1,2,4-Trichlorobenzene	<10	<10#	<10#	<10#	<10#
1,1,1-Trichloroethane	--	<2 J	<2 J	<2 J	<2 J
1,1,2-Trichloroethane	--	<2 J	<2 J	<2 J	<2 J
Trichloroethene	--	<2 J	<2 J	<2 J	<2 J
Trichlorofluoromethane	--	<10 J	<10 J	<10 J	<10 J
1,2,3-Trichloropropane	--	<10 J	<10 J	<10 J	<10 J
1,2,4-Trimethylbenzene	--	<10 J	<10 J	<10 J	<10 J
1,3,5-Trimethylbenzene	--	<10 J	<10 J	<10 J	<10 J
Vinyl Chloride	--	<10 J	<10 J	<10 J	<10 J
m,p-Xylene	--	<5 J	<5 J	<5 J	<5 J
o-Xylene	--	<5 J	<5 J	<5 J	<5 J
Acenaphthene	--	--	--	--	--
Acenaphthylene	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10
Bis(2-chloroethoxy) methane	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl) ether	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)phthalate	<10	16	<10	<10	<10
4-Bromophenyl phenylether	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS: 8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT	SITE (Units in ug/l)	PDOSE01		PDOSE02		PDOSE03		PDOSE03	
		SAMPLE ID		PDO-SW0202		PDO-SW0302		PDO-SW2002	
		DATE		08/13/98		08/13/98		08/13/98	
		RESULT TYPE		Primary		Primary		Duplicate 1	
Benzoic acid		<50	<50	<50	<50	<50	<50	<50	<50
Benzyl alcohol		<20	<20	<20	<20	<20	<20	<20	<20
Butylbenzylphthalate		<10	<10	<10	<10	<10	<10	<10	<10
4-Chloroaniline		<20	<20	<20	<20	<20	<20	<20	<20
4-Chloro-3-methylphenol		<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene		<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol		<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether		<10	<10	<10	<10	<10	<10	<10	<10
Chrysene		<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene		<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran		<10	<10	<10	<10	<10	<10	<10	<10
Dibromomethane	--	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J
Di-n-butyl phthalate		<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene		<10	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,3-Dichlorobenzene		<10	<10#	<10#	<10#	<10#	<10#	<10#	<10#
1,4-Dichlorobenzene		<10	<10#	<10#	<10#	<10#	<10#	<10#	<10#
3,3'-Dichlorobenzidine		<20	<20	<20	<20	<20	<20	<20	<20
2,4-Dichlorophenol		<10	<10	<10	<10	<10	<10	<10	<10
Diethyl phthalate		<10	<10	<10	<10	<10	<10	<10	<10
Dimethylphthalate		<10	<10	<10	<10	<10	<10	<10	<10
4,6-Dinitro,2-methylphenol		<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrophenol		<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene		<20	<20	<20	<20	<20	<20	<20	<20
2,6-Dinitrotoluene		<20	<20	<20	<20	<20	<20	<20	<20
Di-n-octylphthalate		<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol		<10	<10	<10	<10	<10	<10	<10	<10

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= Constituent in more than one test method, highest result reported.

METHODS: 8021B, 8310 For RCL 8000A/IASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED

HUNTER ARMY AIRFIELD PDO YARD

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT	(Units in ug/l)	SITE	PDO-SWE01		PDO-SWE02		PDO-SWE03		PDO-SWE03	
			SAMPLE ID		PDO-SW0102		PDO-SW0202		PDO-SW0302	
			DATE		08/13/98		08/13/98		08/13/98	
			RESULT TYPE		Primary		Primary		Primary	
Fluoranthene			<10		<10		<10		<10	
Fluorene			<10		<10		<10		<10	
Hexachlorobenzene			<10		<10		<10		<10	
Hexachlorobutadiene			<10		<10#		<10#		<10#	
Hexachlorocyclopentadiene			<10		<10		<10		<10	
Hexachloroethane			<2		<2		<2		<2	
Indeno(1,2,3-cd)pyrene			<10		<10		<10		<10	
Isophorone			<10		<10		<10		<10	
2-Methylnaphthalene			<10		12		<10		<10	
2-Methylphenol			<10		<10		<10		<10	
Naphthalene			<10		23#		<10#		<10#	
2-Nitroaniline			<50		<50		<50		<50	
3-Nitroaniline			<50		<50		<50		<50	
4-Nitroaniline			<50		<50		<50		<50	
Nitrobenzene			<10		<10		<10		<10	
2-Nitrophenol			<50		<50		<50		<50	
4-Nitrophenol			<50		<50		<50		<50	
N-Nitrosodimethylamine			<10		<10		<10		<10	
N-Nitrosodi-n-propylamine			<10		<10		<10		<10	
Phenanthrene			<10		<10		<10		<10	
Pentachlorophenol			<20		<20		<20		<20	
Phenol			<10		<10		<10		<10	
Pyrene			<10		<10		<10		<10	
1,2,4-Trichlorobenzene			<10		<10#		<10#		<10#	
2,4,5-Trichlorophenol			<10		<10		<10		<10	
2,4,6-Trichlorophenol			<10		<10		<10		<10	
Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed										
# = Constituent in more than one test method, highest result reported.										
METHODS:8021B, 8310 For RCL 8000A/ASI										
							J = RESULT IS ESTIMATED	R = RESULT IS REJECTED		

PHASE II PRIMARY ANALYTICAL RESULTS FOR SURFACE WATER

CONSTITUENT	(Units in ug/l)	SITE		PDOSWE01		PDOSWE02		PDOSWE03		PDOSWE03	
		SAMPLE ID		PDO-SW0102		PDO-SW0202		PDO-SW0302		PDO-SW2002	
		DATE		08/13/98		08/13/98		08/13/98		08/13/98	
		RESULT TYPE		Primary		Primary		Primary		Duplicate 1	
Arsenic			<30.0		<30.0		<30.0		<30.0		<30.0
Barium			30.0		20.0		30.0		30.0		30.0
Cadmium			<10.0		<10.0		<10.0		<10.0		<10.0
Chromium			<10.0		<10.0		<10.0		<10.0		<10.0
Lead			13.4 J		3.0 J		13.2 J		11.3 J		11.3 J
Mercury			<0.50		<0.50		<0.50		<0.50		<0.50
Selenium			<40.0		<40.0		<40.0		<40.0		<40.0
Silver			<10.0		<10.0		<10.0		<10.0		<10.0
Zinc			110		90		70		60		60

Values represent total concentrations unless noted

< = Not detected at indicated reporting limit

--- = Not analyzed

METHODS: 8021B, 8310 For RCL 8000A/ASI

J = RESULT IS ESTIMATED

R = RESULT IS REJECTED



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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87453
NC	233	
NJ	79002	79002
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.

P.O. Box 2502

800 Oak Ridge Turnpike

Oak Ridge, Tennessee 37831

Contact: Ms. Leslie Barbour

Project Description: HAA-009 Bulk Fuel Facility

cc: SAIC00399

Report Date: June 18, 1999

Page 1 of 2

Sample ID : PD1600
Lab ID : 9904530-01
Matrix : Water
Date Collected : 04/16/99
Date Received : 04/16/99
Priority : Rush
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Metals Analysis											
MERCURY	U	ND	0.104	0.200	ug/l	1.0	RMJ	04/20/99	1523	147137	1
SILVER	U	ND	2.49	10.0	ug/l	1.0	MBL	04/19/99	1459	146991	2
ARSENIC	U	ND	2.98	5.00	ug/l	1.0					
BARIUM	J	20.8	0.0663	200	ug/l	1.0					
CADMIUM	J	0.211	0.0970	5.00	ug/l	1.0					
CHROMIUM	J	1.25	0.596	10.0	ug/l	1.0					
LEAD	J	2.91	0.678	5.00	ug/l	1.0	MBL	04/19/99	1459	146991	3
SELENIUM	U	ND	1.40	5.00	ug/l	1.0	MBL	04/19/99	1459	146991	2
* ZINC	J	12.1 J	2.70	20.0	ug/l	1.0	MBL	04/19/99	1459	146991	4

M = Method

Method-Description

M 1	EPA 7470A
M 2	EPA 6010B
M 3	SW846 6010B
M 4	EPA 6010A

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

DATA VALIDATION
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Laboratory Certifications

STATE	GEL	EPI
FL	EA7156/87294	E87472/87458
NC	233	
NJ	79002	79002
SC	10130	10582
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502
500 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Ms. Leslie Barbour

Project Description: HAA-009 Bulk Fuel Facility

cc: SAIC00399

Report Date: June 18, 1999

Page 1 of 2

Sample ID : PD2600
Lab ID : 9904530-03
Matrix : Water
Date Collected : 04/16/99
Date Received : 04/16/99
Priority : Rush
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Metals Analysis											
MERCURY	U	ND	0.104	0.200	ug/l	1.0	RMJ	04/20/99	1525	147137	1
SILVER	U	ND	2.49	10.0	ug/l	1.0	MBL	04/19/99	1505	146991	2
ARSENIC	J	3.42	2.98	5.00	ug/l	1.0					
BARIUM	J	21.9	0.0663	200	ug/l	1.0					
CADMIUM	J	0.234	0.0970	5.00	ug/l	1.0					
CHROMIUM	J	1.36	0.596	10.0	ug/l	1.0					
LEAD	J	2.90	0.678	5.00	ug/l	1.0	MBL	04/19/99	1505	146991	3
SELENIUM	J	1.61	1.40	5.00	ug/l	1.0	MBL	04/19/99	1505	146991	2
* ZINC	J	19.5 J	2.70	20.0	ug/l	1.0	MBL	04/19/99	1505	146991	4

M = Method

Method-Description

M 1	EPA 7470A
M 2	EPA 6010B
M 3	SW846 6010B
M 4	EPA 6010A

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

DATA VALIDATION
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HUNTER ARMY AIRFIELD PDO YARD

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT	(Units in mg/kg)	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
		SAMPLE ID	PDO-SE0102	PDO-SE0202	PDO-SE0302	PDO-SE2002
	DATE	08/13/98	08/13/98	08/13/98	08/13/98	08/13/98
	DEPTH (ft)	0.00	0.00	0.00	0.00	0.00
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1	
Acetone		<0.21 J	<0.15 J	<0.22 J	<0.18 J	
Acrolein		<0.10 J	<0.077 J	<0.11 J	<0.088 J	
Acrylonitrile		<0.10 J	<0.077 J	<0.11 J	<0.088 J	
Benzene		<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Bromobenzene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Bromochloromethane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Bromodichloromethane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Bromoforn		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Bromomethane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
2-Butanone (MEK)		<0.21 J	<0.15 J	<0.22 J	<0.18 J	
n-Butylbenzene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
sec-Butylbenzene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
tert-Butylbenzene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Carbon disulfide		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Carbon tetrachloride		<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Chlorobenzene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Chloroethane		<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Chloroform		<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Chloromethane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
2-Chlorotoluene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
4-Chlorotoluene		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
2-Chloroethylvinyl ether		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Dibromochloromethane		<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,2-Dibromo-3-chloropropane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
1,2-Dibromoethane (EDB)		<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Dibromomethane		<0.021 J	<0.015 J	<0.022 J	<0.018 J	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS:8260,8270,RCRA8 + ZINC RCL 8000A/ASI

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT (Units in mg/kg)	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
	SAMPLE ID	PDO-SE0102	PDO-SE0202	PDO-SE0302	PDO-SE2002
	DATE	08/13/98	08/13/98	08/13/98	08/13/98
	DEPTH (ft)	0.00	0.00	0.00	0.00
RESULT TYPE	Primary	Primary	Primary	Duplicate 1	
1,2-Dichlorobenzene	<0.69# J	<0.51#	<0.73#	<0.58#	
1,3-Dichlorobenzene	<0.69#	<0.51#	<0.73#	<0.58#	
1,4-Dichlorobenzene	<0.69# J	<0.51#	<0.73#	<0.58#	
Dichlorodifluoromethane	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
1,1-Dichloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,2-Dichloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,1-Dichloroethene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
cis-1,2-Dichloroethene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
trans-1,2-Dichloroethene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,2-Dichloropropane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,3-Dichloropropane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
2,2-Dichloropropane	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
1,1-Dichloropropene	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
cis-1,3-Dichloropropene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
trans-1,3-Dichloropropene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Ethyl benzene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
Hexachlorobutadiene	<0.69#	<0.51#	<0.73#	<0.58#	
2-Hexanone	<0.10 J	<0.077 J	<0.11 J	<0.088 J	
Isopropylbenzene	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
p-isopropyltoluene	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Methylene chloride	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Methyl isobutyl ketone (MIBK)	<0.10 J	<0.077 J	<0.11 J	<0.088 J	
Naphthalene	<0.69#	<0.51#	<0.73#	<0.58#	
n-Propylbenzene	<0.021 J	<0.015 J	<0.022 J	<0.018 J	
Styrene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J	
1,1,1,2-Tetrachloroethane	<0.021 J	<0.015 J	<0.022 J	<0.018 J	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 + ZINC RCL 8000AIA5I

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00200

HUNTER ARMY AIRFIELD PDO YARD

Page: 3A of 6A

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT (Units in mg/kg)	SITE			
	SAMPLE ID	PDO-S-E0102	PDO-S-E0202	PDO-S-E0302
	DATE	08/13/98	08/13/98	08/13/98
	DEPTH (ft)	0.00	0.00	0.00
RESULT TYPE	Primary	Primary	Primary	Duplicate 1
1,1,2,2-Tetrachloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
Tetrachloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
Toluene	<0.010 J	<0.0077 J	<0.011 J	0.052 J
1,2,3-Trichlorobenzene	<0.021 J	<0.015 J	<0.022 J	<0.018 J
1,2,4-Trichlorobenzene	<0.69 # J	<0.51 #	<0.73 #	<0.58 #
1,1,1-Trichloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
1,1,2-Trichloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
Trichloroethane	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
Trichlorofluoromethane	<0.021 J	<0.015 J	<0.022 J	<0.018 J
1,2,3-Trichloropropane	<0.021 J	<0.015 J	<0.022 J	<0.018 J
1,2,4-Trimethylbenzene	<0.021 J	<0.015 J	<0.022 J	<0.018 J
1,3,5-Trimethylbenzene	<0.021 J	<0.015 J	<0.022 J	<0.018 J
Vinyl Acetate	<0.021 J	<0.015 J	<0.022 J	<0.018 J
Vinyl Chloride	<0.021 J	<0.015 J	<0.022 J	<0.018 J
m&p-Xylene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
o-Xylene	<0.010 J	<0.0077 J	<0.011 J	<0.0088 J
Acenaphthene	<0.69 J	<0.51	<0.73	<0.58
Acenaphthylene	<0.69	<0.51	<0.73	<0.58
Anthracene	<0.69	<0.51	<0.73	<0.58
Benzoic acid	<3.5	<2.6	<3.8	<3.0
Benzo(a)anthracene	<0.69	<0.51	<0.73	<0.58
Benzo(a)pyrene	<0.69	<0.51	<0.73	<0.58
Benzo(b)fluoranthene	<0.69	<0.51	<0.73	<0.58
Benzo(g,h,i)perylene	<0.69	<0.51	<0.73	<0.58
Benzo(k)fluoranthene	<0.69	<0.51	<0.73	<0.58

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported.
 METHODS: 8260, 8270, RCRA8 + ZINC RCL 8000A IASI J = RESULT IS ESTIMATED R = RESULT IS REJECTED

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT (Units in mg/kg)	SITE			
	SAMPLE ID	PDO-SE0102	PDO-SE0202	PDO-SE0302
	DATE	08/13/98	08/13/98	08/13/98
	DEPTH (ft)	0.00	0.00	0.00
RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Benzyl alcohol		<1.4	<1.0	<1.5
Bis(2-chloroethoxy) methane		<0.69 J	<0.51	<0.73
Bis(2-chloroethyl) ether		<0.69	<0.51	<0.73
Bis(2-chloroisopropyl) ether		<0.69 J	<0.51	<0.73
Bis(2-ethylhexyl)phthalate		<0.69	<0.51	<0.73
4-Bromophenyl phenylether		<0.69 J	<0.51	<0.73
Butylbenzylphthalate		<0.69	<0.51	<0.73
4-Chloroaniline		<1.4	<1.0	<1.5
4-Chloro-3-methylphenol		<0.69 J	<0.51	<0.73
2-Chlorophenol		<0.69 J	<0.51	<0.73
2-Chloronaphthalene		<0.69 J	<0.51	<0.73
4-Chlorophenyl phenyl ether		<0.69	<0.51	<0.73
Chrysene		<0.69	<0.51	<0.73
Dibenzo(a,h)anthracene		<0.69	<0.51	<0.73
Dibenzofuran		<0.69	<0.51	<0.73
Di-n-butyl phthalate		<0.69	<0.51	<0.73
1,2-Dichlorobenzene		<0.69# J	<0.51#	<0.73#
1,3-Dichlorobenzene		<0.69#	<0.51#	<0.73#
1,4-Dichlorobenzene		<0.69# J	<0.51#	<0.73#
3,3'-Dichlorobenzidine		<1.4	<1.0	<1.5
2,4-Dichlorophenol		<0.69	<0.51	<0.73
Diethyl phthalate		<0.69	<0.51	<0.73
2,4-Dimethylphenol		<0.69 J	<0.51	<0.73
Dimethylphthalate		<0.69	<0.51	<0.73
4,6-Dinitro-2-methylphenol		<3.5	<2.6	<3.8
2,4-Dinitrophenol		<3.5	<2.6	<3.8

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 + ZINC RCL 8000A/ASI

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00202

HUNTER ARMY AIRFIELD PDO YARD

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT (Units in mg/kg)	SITE	PDOSWE01	PDOSWE02	PDOSWE03	PDOSWE03
	SAMPLE ID	PDO-SE0102	PDO-SE0202	PDO-SE0302	PDO-SE2002
	DATE	08/13/98	08/13/98	08/13/98	08/13/98
	DEPTH (ft)	0.00	0.00	0.00	0.00
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
2,4-Dinitrotoluene		<1.4	<1.0	<1.5	<1.2
2,6-Dinitrotoluene		<1.4	<1.0	<1.5	<1.2
Di-n-octylphthalate		<0.69	<0.51	<0.73	<0.58
Fluoranthene		<0.69	<0.51	<0.73	<0.58
Fluorene		<0.69 J	<0.51	<0.73	<0.58
Hexachlorobenzene		<0.69	<0.51	<0.73	<0.58
Hexachlorobutadiene		<0.69#	<0.51#	<0.73#	<0.58#
Hexachlorocyclopentadiene		<0.69	<0.51	<0.73	<0.58
Hexachloroethane		<0.69 J	<0.51	<0.73	<0.58
Indeno(1,2,3-cd)pyrene		<0.69	<0.51	<0.73	<0.58
Isophorone		<0.69	<0.51	<0.73	<0.58
2-Methylnaphthalene		<0.69	<0.51	<0.73	<0.58
2-Methylphenol		<0.69	<0.51	<0.73	<0.58
Naphthalene		<0.69#	<0.51#	<0.73#	<0.58#
2-Nitroaniline		<3.5	<2.6	<3.8	<3.0
3-Nitroaniline		<3.5	<2.6	<3.8	<3.0
4-Nitroaniline		<3.5	<2.6	<3.8	<3.0
Nitrobenzene		<0.69 J	<0.51	<0.73	<0.58
2-Nitrophenol		<3.5 J	<2.6	<3.8	<3.0
4-Nitrophenol		<3.5	<2.6	<3.8	<3.0
N-Nitrosodimethylamine		<0.69	<0.51	<0.73	<0.58
N-Nitrosodi-n-propylamine		<0.69 J	<0.51	<0.73	<0.58
N-Nitrosodiphenylamine		<0.69	<0.51	<0.73	<0.58
Phenanthrene		<0.69 J	<0.51	<0.73	<0.58
Pentachlorophenol		<1.4	<1.0	<1.5	<1.2
Phenol		<0.69 J	<0.51	<0.73	<0.58

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

METHODS:8260,8270,RCRA8 + ZINC RCL 8000A/ASI

J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00203

HUNTER ARMY AIRFIELD PDO YARD

PHASE II PRIMARY ANALYTICAL RESULTS FOR SEDIMENT

CONSTITUENT (Units in mg/kg)	SITE		PDO-SWE01		PDO-SWE02		PDO-SWE03		PDO-SWE03	
	SAMPLE ID		PDO-SE0102		PDO-SE0202		PDO-SE0302		PDO-SE2002	
	DATE		08/13/98		08/13/98		08/13/98		08/13/98	
DEPTH (ft)	0.00		0.00		0.00		0.00		0.00	
	RESULT TYPE		Primary		Primary		Primary		Duplicate 1	
Pyrene	<0.69 J		<0.51		<0.73		<0.58		<0.58	
1,2,4-Trichlorobenzene	<0.69# J		<0.51#		<0.73#		<0.58#		<0.58#	
2,4,5-Trichlorophenol	<0.69		<0.51		<0.73		<0.58		<0.58	
2,4,6-Trichlorophenol	<0.69 J		<0.51		<0.73		<0.58		<0.58	
Arsenic	--		--		--		--		--	
Barium	<6.3		<4.6		<6.7		<5.3		<5.3	
Cadmium	42		16		76		42		42	
Chromium	<2.1		<1.5		<2.2		<1.8		<1.8	
Lead	9.7		4.0		7.0		6.1		6.1	
Mercury	50		16		36		24		24	
Selenium	<0.52		<0.38		<0.56		<0.44		<0.44	
Silver	<8.3		<6.2		<8.9		<7.0		<7.0	
Zinc	<2.1		<1.5		<2.2		<1.8		<1.8	
	100		34		92		60		60	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported. The following qualifier(s) exist: J

METHODS:8260,8270,RCRA8 + ZINC RCL 8000A/ASI J = RESULT IS ESTIMATED R = RESULT IS REJECTED

00204



GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	CEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
NJ	79002	79002
SC	10120	10382
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Ms. Leslie Barbour
Project Description: HAA-009 Bulk Fuel Facility

cc: SAIC00399

Report Date: June 18, 1999

Page 1 of 2

Sample ID : PD1500
Lab ID : 9904530-02
Matrix : SOIL
Date Collected : 04/16/99
Date Received : 04/16/99
Priority : Rush
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Metals Analysis											
MERCURY	U	ND	0.0212	0.100	mg/kg	1.0	RMJ	04/20/99	1404	147138	1
SILVER	J	276	57.4	1350	ug/kg	2.0	MBL	04/19/99	1626	146993	2
ARSENIC	J	897	374	1350	ug/kg	2.0					
BARIUM	J	7290	33.4	20000	ug/kg	2.0					
CADMIUM		738	28.3	677	ug/kg	2.0					
CHROMIUM		2440	84.1	1350	ug/kg	2.0					
LEAD	J	8.77	0.185	300	mg/kg	2.0					
SELENIUM	U	ND	309	677	ug/kg	2.0					
ZINC		20900	159	2710	ug/kg	2.0					

M = Method

Method-Description

M 1

EPA 7471A

M 2

EPA 6010B

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

DATA VALIDATION
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GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87453
NC	233	
NJ	79002	79002
SC	10120	10562
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502

300 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Ms. Leslie Barbour

Project Description: HAA-009 Bulk Fuel Facility

cc: SAIC00399

Report Date: June 18, 1999

Page 1 of 2

Sample ID : PD2500
Lab ID : 9904530-04
Matrix : SOIL
Date Collected : 04/16/99
Date Received : 04/16/99
Priority : Rush
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Metals Analysis											
MERCURY	J	0.0399	0.0227	0.100	mg/kg	1.0	RMJ	04/20/99	1405	147138	1
SILVER	J	407	55.6	1310	ug/kg	2.0	MBL	04/19/99	1632	146993	2
ARSENIC	J	637	362	1310	ug/kg	2.0					
BARIUM	J	9420	32.4	20000	ug/kg	2.0					
CADMIUM	J	333	27.4	656	ug/kg	2.0					
CHROMIUM		26300	81.5	1310	ug/kg	2.0					
LEAD	J	135	0.179	300	mg/kg	2.0					
SELENIUM	U	ND	299	656	ug/kg	2.0					
* ZINC		24000	154	2620	ug/kg	2.0					

M = Method

Method-Description

M 1

EPA 7471A

M 2

EPA 6010B

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

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