32501.024
03.04.24.0003

N00204.AR.000284
NAS PENSACOLA
5090.3a

FINAL

CONTAMINATION ASSESSMENT/ REMEDIAL ACTIVITIES INVESTIGATION DDT MIXING AREA (SITE 24) NAVAL AIR STATION PENSACOIA PENSACOLA, FLORIDA

INTERIM DATA REPORT

October 1991

Contract N62467-88-C-0200

Prepared by:

Ecology and Environment, Inc.
316 South Baylen Street, Suite 670
Pensacola, Florida

Prepared for:

Southern Division Naval Facilities
Engineering Command, P.O. Box 10068
Charleston, South Carolina 29411-0068
Suzanne Sanbom

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

1a. REPORT SECURITY CLASSIFICATION

1b. RESTRICTIVE MARKINGS
N/A

3. DISTRIBUTION/AVAILABILITY OF REPORT
See Distribution List Page

5. MONITORING ORGANIZATION REPORT NUMBER(S)
N/A

6a. NAME OF PERFORMING ORGANIZATION
Ecology and Environment, Inc.

6b. OFFICE SYMBOL (If applicable)
E 6 E

7a. NAME OF MONITORING ORGANIZATION
Naval Air Station Pensacola

7b. ADDRESS (City, State, and ZIP Code)
Pensacola, Florida

8a. NAME OF FUNDING/SPONSORING ORGANIZATION
SouthDivNavFacEngCom

8b. OFFICE SYMBOL (If applicable)
N/A

9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER

Charleston, South Carolina 79411

PROGRAM ELEMENT NO	PROJECT NO	TASK NO	WORK UNIT ACCESSION NO

11. TITLE (Include Security Classification)
Contamination Assessment/Remedial Activities Investigation, DDT Mixing Area (Site 24), Naval Air Station Pensacola, Pensacola, Florida. Interim Data Report

12. PERSONAL AUTHOR(S)
Barry R. Levine, P.G. #259, Florida, Expiration Date July 31, 1992; and Michael Grecu

13a. TYPE OF REPORT	13b. TIME COVERED	14. DATE OF REPORT (Year, Month, Day)	15. PAGE COUNT
Final	FROM 10/90 TO 10/91	October 1991	76

16. SUPPLEMENTARY NOTATION
N/A

17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)
FIELD	GROUP	SUB-GROUP	

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

This Interim Data Report contains the results of Phase I of the Contamination Assessment/Remedial Activities Investigation conducted at the DDT Mixing Area (Site 24) located on the Naval Air Station in Pensacola, Florida. This work was conducted as part of the U.S. Navy's Installation Restoration Program. The objective of the Phase I investigation at Site 24 was to identify principal areas and primary contaminants of concern at the site and to provide recommendations for subsequent phases of investigation. This investigation was the first step in the completion of a Remedial Investigation/Feasibility Study for the site. Site 24 is a predominantly unpaved area, located near the northwest corner of Barrancas National Cemetery, which includes one building (Building 3678). Mixing of DDT with fuel oil for mosquito control was

(Continued on reverse)

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT
☐ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT ☐ DTIC USERS

21. ABSTRACT SECURITY CLASSIFICATION
N/A

22a. NAME OF RESPONSIBLE INDIVIDUAL
Glenn C. Bradley

22b. TELEPHONE (Include Area Code)
803-743-0582

22c. OFFICE SYMBOL
182

DD Form 1473, JUN 86 Previous editions are obsolete. SECURITY CLASSIFICATION OF THIS PAGE

S/N 0102-LF-014-6603

19.

conducted at the site in the 1950s and early 1960s. The results of this investigation indicate that soil and groundwater contamination are present on and in the vicinity of the site. Lead, total recoverable petroleum hydrocarbons, polynuclear aromatic hydrocarbons, and the carbamate pesticide fluometuron are the primary soil contaminants. Metals, tetrachloroethene, and the carbamate pesticide methomyl are the primary groundwater contaminants. Additional assessment activities are required on and in the vicinity of Site 24.

recycled paper

2400340

ecology and environment

TABLE OF CONTENTS

Section		Page
	RECORD OF DOCUMENT CHANGES	xi
	EXECUTIVE SUMMARY	1
1	INTRODUCTION	1-1
2	INVESTIGATION METHODOLOGY	2-1
	2.1 AERIAL PHOTOGRAPH AND EXISTING DATA ANALYSIS	2-1
	2.2 SITE RECONNAISSANCE	2-1
	2.3 HABITAT/BIOTA SURVEY	2-3
	2.4 HNu/OVA SURFACE EMISSIONS SURVEY AND PARTICULATE AIR SAMPLING	2-3
	2.5 GEOPHYSICAL SURVEY	2-3
	2.6 UTILITIES SURVEY	2-4
	2.7 DATA ANALYSIS	2-4
	2.8 SOIL BORINGS AND TEMPORARY MONITORING WELL INSTALLATION	2-6
	2.9 SOIL SAHPLING	2-6
	2.10 GROUNDWATER SAMPLING	2-8
	2.11 EYDROLOGIC ASSESSMENT	2-8
	2.12 FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)	2-10
	2.12.1 Field QA/QC Samples	2-10
	2.12.2 Decontamination Procedures	2-10
	2.13 INVESTIGATION-DERIVED WASTE MANAGEMENT	2-10

[Bold items enclosed in brackets denote changes to the last version of document]

Table of Contents (Cont.)

Section		Page
3	RESULTS	3-1
	3.1 AERIAL PHOTOGRAPH AND EXISTING DATA ANALYSIS	3-1
	3.2 SITE RECONNAISSANCE	3-2
	3.3 HABITAT/BIOTA SURVEY	3-3
	3.4 SURFACE EMISSIONS SURVEY AND PARTICULATE AIR SAMPLING	3-3
	3.5 GEOPHYSICAL SURVEY	3-3
	3.6 HYDROLOGIC ASSESS —	3-5
	3.6.1 Shallow Subsurface Lithology	3-5
	3.6.2 Vater Levels and Groundvater Flov	3-5
	3.7 CHEMICAL ANALYSES	3-8
	3.7.1 Soil	3-8
	3.7.2 Groundvater	3-[19]
	3.8 CONTAMINATION DISTRIBUTION/SOURCE DISCUSSION	3-[28]
	3.8.1 Soil	3-[28)
	3.8.2 Groundvater	3-[29]
	3.9 QA/QC	3-[31]
	3.9.1 Field QA/QC Samples	3-[31]
	3.9.2 Laboratory QA/QC Samples	3-[31]
4	CONCLUSIONS	4-1
5	REFERENCES	5-1
6	FLORIDA PROFESSIONAL GEOLOGIST SBAL	6-1

2400341

[Bold items enclosed in brackets denote changes to the last version of document]

Table of Contents (Cont.)

Appendix		Page
A	BIRDS OBSERVED DURING HABITAT/BIOTA SURVEY	A-1
B	SURFACE EMISSIONS, MAGNETOMETER, AND METAL DETECTOR SURVEY DATA	B-1
C	TEMPORARY MONITORING WELL, SOIL BORING, AND LITHOLOGIC INFORMATION	C-1
D	SOIL SAMPLING ANALYTICAL SCREENING RESULTS	D-1
E	TEMPORARY MONITORING WELL GROUNDWATER SAMPLING ANALYTICAL SCREENING RESULTS	E-1

[Bold items enclosed in brackets denote changes to the last version of document]

LIST OF TABLES

Table		Page
2-1	Photographs Used in the Aerial Photograph Analysis, NAS Pensacola Site 24	2-2
2-2	Sampling and Analytical Summary, NAS Pensacola Site 24	2-9
3-1	Temporary Monitoring Well Construction Information and Water Level Elevations, NAS Pensacola Site 24	3-6
3-2	Summary Analytical Screening Results for Soil Samples, NAS Pensacola Site 24	3-9
3-3	Groundwater Field Parameters, NAS Pensacola Site 24	3-21
3-4	Summary Analytical Screening Results for Groundwater Samples (from Temporary Monitoring Wells), NAS Pensacola Site 24	3-[23]

[Bold item enclosed in brackets denote changes to the last version of document]

LIST OF ILLUSTRATIONS

Figure		Page
1-1	Location Map--NAS Pensacola Site 24	1-2
1-2	Site Map--NAS Pensacola Site 24	1-3
2-1	Survey Grid Map--NAS Pensacola Site 24	2-5
2-2	(Particulate Air Sampling,] Soil Boring, and Temporary Monitoring Well Locations--NAS Pensacola Site 24	2-7
3-1	Magnetometer Survey, Total Magnetic Field--NAS Pensacola Site 24	3-4
3-2	[Surficial Zone] Water Level Elevations--NAS Pensacola Site 24	3-7
3-3	Highest Lead and Highest TRPH Concentrations Detected at Soil Boring Locations--NAS Pensacola Site 24	3-[17]
3-4	Soil Boring Locations where PAHs or Fluometuron were Detected--NAS Pensacola Site 24	3-[20]
[3-5	Chromium, Lead, and Cadmium Concentrations in Groundwater Samples--NAS Pensacola Site 24	3-24]
3-[6]	Total Metals Concentrations in Shallow Groundwater Samples--NAS Pensacola Site 24	3-[26]
3-[7]	Groundwater Samples where TRPHs, Tetrachloroethene, PAHs, and/or Hethomyl were Detected--NAS Pensacola Site 24	3-[27]

[Bold items enclosed in brackets denote changes to the last version of document)

RECORD OF DOCUMENT CHANGES

Revisions to this document were made based on comments received from the U.S. Environmental Protection Agency, Florida Department of Environmental Regulation, Florida Department of Natural Resources, and National Oceanic and Atmospheric Administration. All revisions are in bold and enclosed in brackets to denote changes to the last version of this document.

[Bold items enclosed in brackets denote changes to the last version of document]

EXECUTIVE SUMMARY

As part of the U.S. Navy's Installation Restoration Program, Phase I of the Contamination Assessment/Remedial Activities Investigation was conducted for the DDT nixing Area (Site 24), located on the Naval Air Station in Pensacola, Florida. This work was performed by Ecology and Environment, Inc., (E & E) under contract to the U.S. Navy, Southern Division, Naval Facilities Engineering Command.

Site 24 is a predominantly unpaved area located approximately 200 feet north of Building 3561 (Site 8), near the northwest corner of Barrancas National Cemetery. A corrugated metal shed (Building 3678), apparently used for storage, is located within a fenced area at the southern end of the site. Mixing of DDT with fuel oil for mosquito control was conducted at Site 24 in the 1950s and early 1960s. The objective of the Phase I investigation at Site 24 was to identify principal areas and primary contaminants of concern at the site and to provide recommendations for subsequent phases of investigation. The recommendations for additional work at Site 24 are presented under a separate cover. The Phase I tasks included aerial photograph and existing data analysis, site reconnaissance, habitat/biota survey, surface emissions survey and particulate air sampling, geophysical survey, utilities survey, the collection and analysis of soil and groundwater samples, and a hydrologic assessment.

The results of this investigation indicate that soil and groundwater contamination are present on and in the vicinity of Site 24. Lead, total recoverable petroleum hydrocarbons (TRPHs), polynuclear aromatic hydrocarbons (PAHs), and the carbamate pesticide fluometuron are the primary soil contaminants. Metals, tetrachloroethene, and the carbamate pesticide methomyl are the primary groundwater contaminants. Some of the detected contamination is probably related to former on-site

[Bold items enclosed in brackets denote **changes** to the last version of document]

activities. However, additional sources of contamination, some of which may be ambient, are also apparently impacting the site. DDT, the most probable, site-related contaainant, was not detected in any of the soil or groundwater samples.

Elevated lead and TRPE concentrations, as well as low to trace PAH concentrations, were widespread across Site 24; the vide distribution suggests the presence of an ambient source of contamination in the site vicinity, although spills of the fuel with which the DDT vas reportedly mixed could also account for some of the detected contamination. (Fuel spills could also account for the presence of lead, if aviation fuel were occasionally used in place of diesel fuel.) Specific areas where extremely high lead concentrations were detected (e.g., the northeast and southeast comers of the site) were probably impacted by very local, site-specific sources, not necessarily related to former DDT mixing activities. In contrast, the presence of higher TRPE concentrations in the easternmost soil boring samples suggests a TRPE contaminant source immediately east of Site 24 rather than a local, site-specific source.

The carbamate pesticide fluometuron was detected in only two soil samples, and in one sample the detected level was extremely high. The occurrence of this contaminant may reflect more recent pesticide applications associated with the planting of pine saplings in the area where the detections occurred. Carbamate pesticides reportedly were not commonly used at the time of DDT mixing activities on Site 24.

Groundwater metals concentrations exceeding Florida standards were widespread across Site 24. To some extent, the metals contamination detected probably reflects acid preservative leaching/dissolution of aquifer matrix sediments entrained in the unfiltered samples. Although this detected metals contamination cannot be uniquely linked to Site 24 activities, the analytical results indicate the potential presence of site-related groundwater metals contamination, and/or at least the presence of site-related contamination of aquifer matrix sediments.

Tetrachloroethene vas detected in one sample, collected in the southeast comer of the site, at a concentration exceeding the Florida standard. The source of this contaminant may be located south-southeast of Site 24 or may be associated with former activities at Building 3561 (Site 8--Rifle Range Disposal Area).

2400346

[Bold items enclosed in bracket8 denote changes to the last version of document]

Trace levels of the carbamate pesticide methomyl were detected in four of the five groundwater samples, but more precisely determined concentrations would be below the Florida Groundwater Guidance Concentration as the detection limit was below the guidance concentration. As is the case for occurrences of fluometuron in soils, the occurrence of methomyl in the groundwater samples may not be attributable to former DDT mixing activities at Site 24 (carbamate pesticides reportedly were not commonly used at that time) but may be attributable to more recent on-site activities.

Additional assessment activities will be required at and in the vicinity of Site 24.

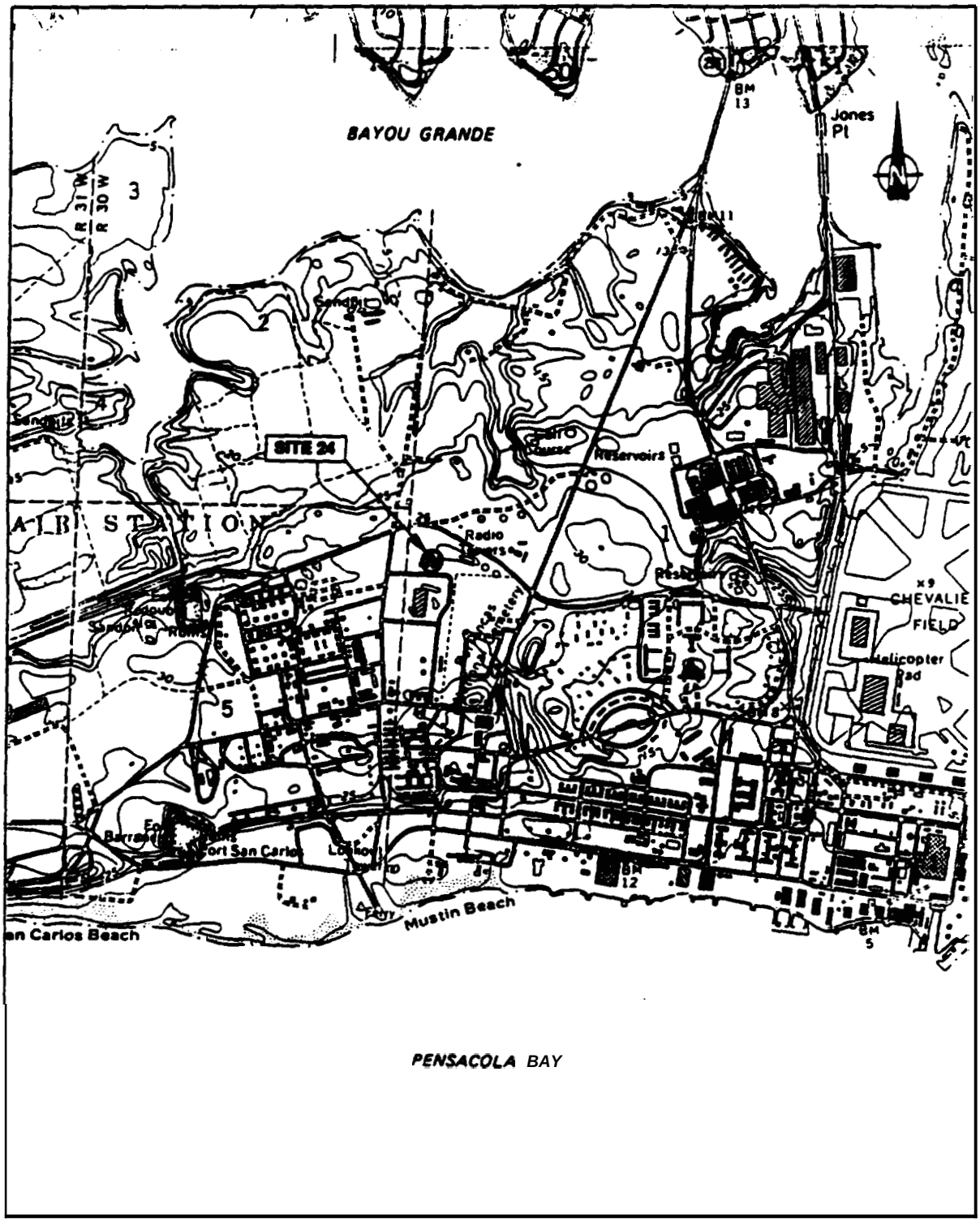
[Bold items enclosed in brackets denote changes to the last version of document]

1. INTRODUCTION

This Interim Data Report presents the findings of the Phase I investigation activities performed for the DDT Mixing Area (Site 24), located at the Naval Air Station (NAS) in Pensacola, Escambia County, Florida. This report has been prepared by Ecology and Environment, Inc., (E & E) for the Southern Division, U.S. Navy, Naval Facilities Engineering Command, under Contract No. N62467-88-C-0200. The information presented in this report is based on information and file documents provided by the Navy and on information gathered during the Phase I fieldwork conducted on the site from October 1990 to February 1991. The investigation was conducted in accordance with the administrative documents prepared by E & E for this project, which include the [June 1990] Project Management Plan, [June 1990] Site Hanagcment Plan, [July 1990] Generic Quality Assurance Project Plan (GQAPP), [July 1990] General Health and Safety Plan, and [June 1990] Contamination Assessment/Remedial Activities Investigation Work Plan--Group D with appended Site-Specific Health and Safety Plan and Site-Specific Quality Assurance Plan. [All references to these documents in this report apply only to the 1990 versions.]

Site 24 is a predominantly unpaved area located approximately 200 feet north of Building 3561 (Site 8--Rifle Range Disposal Area), near the northwest corner of Barrancas National Cemetery (see figures 1-1 and 1-2). A corrugated metal shed (Building 3678), apparently used for storage, is located within a fenced area at the southern end of the site. Mixing of DDT with fuel oil for mosquito control was conducted at Site 24 in the 1950s and early 1960s. In addition to disposal of solid waste by burning and burial between 1951 and 1955, the Building 3561

[Bold items enclosed in brackets denote changes to the last version of document]



SCALE
0 ½ 1 MILE

Figure 1-1 LOCATION MAP — NAS PENSACOLA SITE 24

2400348

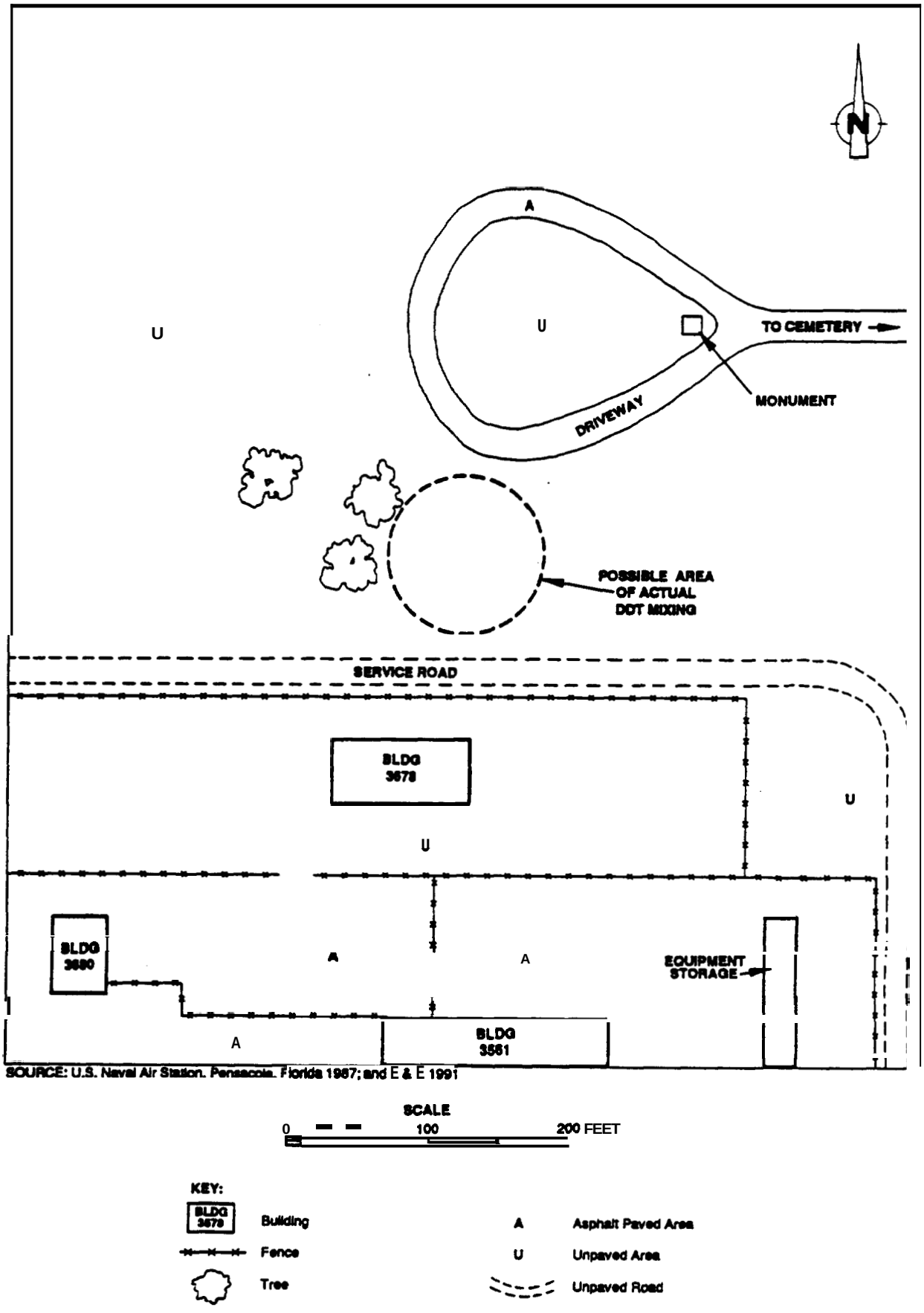


Figure 1-2 SITE MAP — NAS PENSACOLA **SITE** 24

(Site 8) location vas apparently used both for pesticide storage and, after the use of DDT had been discontinued, for pesticide rinsate disposal.

The purpose of the Phase I investigation vas to identify principal areas and primary contaminants of concern at the site and to provide recommendations for subsequent phases of investigation. The Phase I ficldvork included a site reconnaissance, habitat/biota survey, surface emissions survey and particulate air sampling, geophysical survey, utilities survey, and the collection and analysis of soil and groundwater samples. In addition, a hydrologic assessment, which included the determination of groundwater elevations, groundvater flov direction, and hydraulic gradient, vas performed at the site. The recommendations for additional vork at this site *arc* presented vith this submittal under a separate cover.

[Bold items enclosed in brackets demote changes to the last version of document]

2. INVESTIGATION METHODOLOGY

2.1 AERIAL PHOTOGRAPH AND EXISTING DATA ANALYSIS

Prior to the initiation of fieldwork, E & E personnel examined all available aerial photographs of NAS Pensacola for past and present conditions, features, and developments that might have had direct relevance to the fieldwork methodology. The aerial photograph analysis task involved assembling and stereoscopically analyzing historical photographic imagery and topographic maps available for the site area. Photographs were scaled to allow analysis of past and present surface conditions, drainage, and land use. The aerial photographs used in the analysis are listed in Table 2-1. The photographs were analyzed to obtain information regarding the evolution of site features that might have affected hydrologic conditions and to aid in the performance of such tasks as field reconnaissance and monitoring well placement.

2.2 SITE RECONNAISSANCE

A field reconnaissance survey was conducted on and around Site *24.* Available aerial photographs and maps were used as guides in locating surface features. Visual inspections were made of surface conditions, vegetation, and surface drainage patterns. These observations of surface conditions on the site were used to update the site map.

During the reconnaissance survey, the field team identified areas that presented the most suitable conditions for establishment of survey grid baselines. The grid system used during the Phase I field investigation of Site *24* is discussed in Section 2.5.

The reconnaissance survey team utilized radiation and air monitoring equipment during walkovers of site areas, in accordance with Section 6.1.1 of the GQAPP. All findings of the physical reconnaissance were mapped in detail and recorded in the field logbook.

[Bold items enclosed in brackets denote changes to the last version of document]

Table 2-1

PHOTOGRAPHS USED IN THE AERIAL PHOTOGRAPH ANALYSIS
NAS PENSACOLA SITE 24

source	Photograph/Map Number	Date	Scale
Florida Department of Transportation	PD-3886-12-03	10/26/89	1:24,000
	PD-3886-11-04	10/26/89	1:24,000
	PD-3618-12-03	11/21/06	1:24,000
	Po-3618-12-04	11/21/06	1:24,000
	PD-3109-12-03	9/22/83	1:24,000
	PD-3109-12-04	9/22/03	1:24,000
	PD-2684-11-04	3/6/11	1:24,000
	PD-2684-11-05	3/6/01	1:24,000
	PD-1888-11-03	4/28/76	1:24,000
	PD-1888-11-04	4/28/76	1:24,000
	PD-1331-11-03	5/4/73	1:24,000
	PD-1331-11-04	5/4/73	1:24,000
	PD-868-4-09	4/6/70	1:24,000
	PD-868-4-10	4/6/70	1:24,000
	PD-616-8-04	3/25/60	1:24.000
	Po-616-8-05	3/25/60	1:[illegible]00
	PD-285-6-03	10/8/64	1:24,000
	PD-285-6-05	10/8/64	1:12,000
	PHS-7054-2-1	10/12/61	1:24,000
	PUS-7054-2-2	10/12/61	1:24,000
U.S. Department of Agriculture	CPF-17-78	1/3/38	1:24,000
	CPF-4M-17	1/22/51	1:24,000

14[NASP]UR6047:T0234/295/23

Source: Ecology and Environment, Inc., 1991.

2400350

[Bold items enclosed in brackets denote changes to the last version of document]

2.3 HABITAT/BIOTA SURVEY

A habitat/biota survey was conducted for the site, as well as an evaluation of applicable literature pertaining to NAS Pensacola. During the physical reconnaissance, an E & E biologist/ecologist determined the on-site terrestrial and aquatic habitats and the surrounding habitats that could be affected by off-site contaminant migration. During the walkover survey, rare, threatened, and endangered species and their potential habitats were identified, and general site conditions were evaluated regarding the site's ability to support viable populations of plants and animals.

2.4 HNu/OVA SURFACE EMISSIONS SURVEY AND PARTICULATE AIR SAMPLING

Following the establishment of the survey grid network (discussed in Section 2.5), a surface emissions survey was conducted using an organic vapor analyzer (OVA). The survey was conducted in accordance with Section 6.1.1 of the GQAPP. Measurements were made around Building 3678 and at each established grid point; all readings were recorded in the field logbook. In addition, preliminary air screening was conducted using a Mini-Ram particulate monitor to determine if the site represents a source of particulates in the air. The air sampling was conducted in accordance with Section 6.1.[1] of the GQAPP.

2.5 GEOPHYSICAL SURVEY

A metal detector survey and a magnetometer survey were conducted around Building 3678 and across Site 24. The metal detector survey was conducted using a standard, portable metal detector/pipe locator, and the magnetometer survey was conducted using a Geometries G856AX proton precession magnetometer. The geophysical data were used in conjunction with other background data to attempt to identify the location of any buried ferrometallic objects or debris.

The survey effort required the initial establishment of a grid system over the study area. To construct the grid, baseline transects were established using a transit survey instrument and flagged at SO-foot intervals. The grid system was referenced to an arbitrarily selected origin point at the southwest corner of the system using a

Brunton compass and tape measure. Grid points vere flagged and numbered as follovs:

Grid X, N n_1, E n_2,

where:

X = Grid letter;

n_1 = Distance in 50-foot increments north (N) of the origin point; and

n_2 = Distance in SO-foot increments east (E) of the origin point.

Figure 2-1 shovs the location of the origin point and survey grid system established across Site *24* and surrounding areas. The geophysical survey vas performed in accordance vith field methodologies and data interpretation techniques discussed in Section 6.2.1 of the GQAPP.

2.6 UTILITIES SURVEY

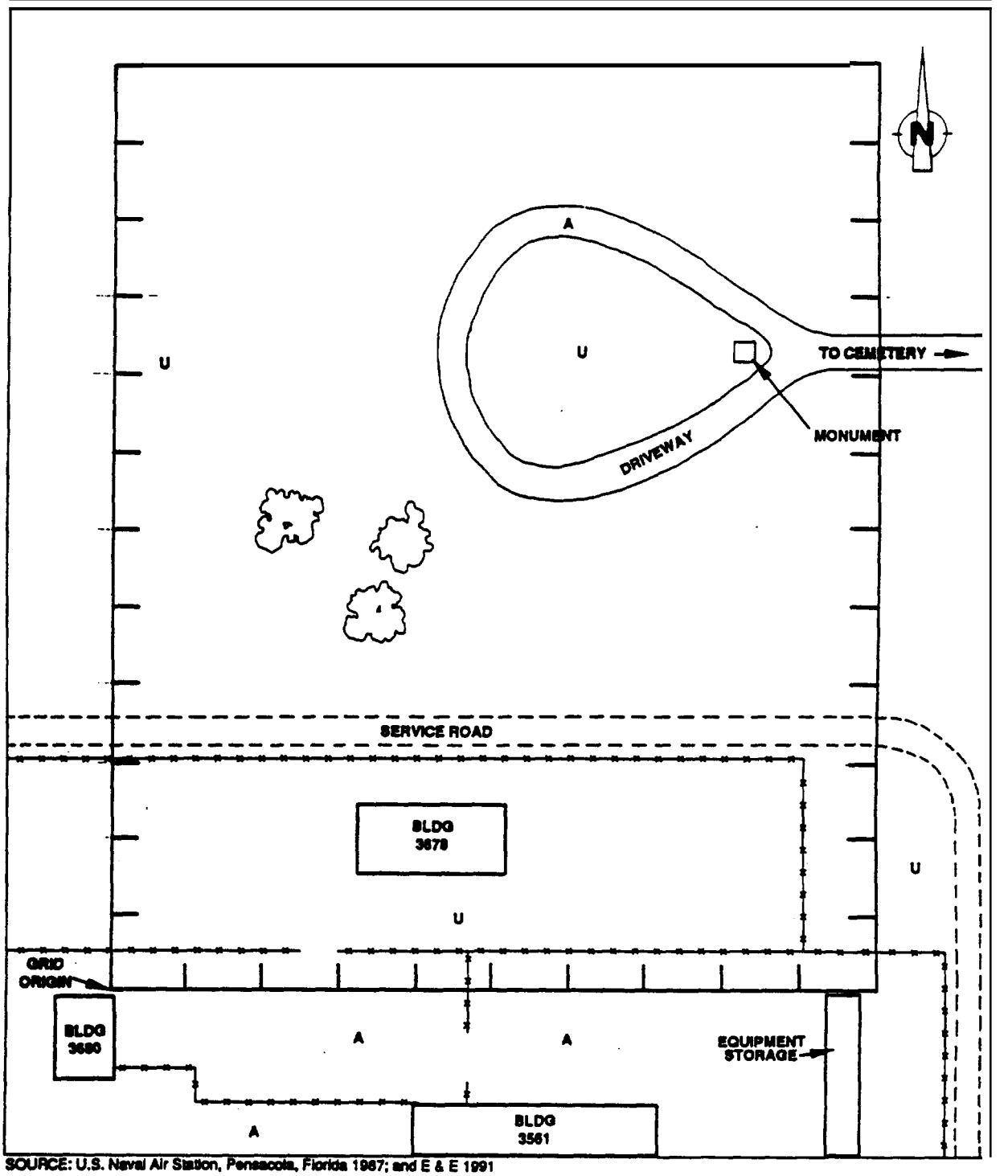
Prior to conducting any augering, boring, or drilling, E & E located all underground cables, pipes, utilities, and other subsurface features that could potentially be damaged, create a safety hazard, or otherwise hinder fieldvork. The appropriate authorities (e.g., NAS Pensacola Public Vorks and Southern Bell) were contacted to identify the location of all underground utilities in the site area. In addition, E & E examined available maps and documents and conducted a metal detector survey (see Section 2.5) to determine the presence of any other potentially hazardous subsurface features on site. The locations of all underground utilities and other obstructing features were marked vith surveyor flags, fluorescent paint, or by other methods, as appropriate.

2.7 DATA ANALYSIS

Information obtained from the results of the above-described physical surveys vas given primary consideration in the development of placement strategies for the Phase I soil borings and temporary monitoring wells. Prior to establishing the Phase I temporary monitoring well locations or other sampling points, the results of the aerial photograph analysis, site reconnaissance, surface emissions

2400351

[Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE
0 100 200 FEET

KEY:

BLDG 3678	Building	A	Asphalt Paved Area
	Fence	U	Unpaved Area
	Tree		Unpaved Road
			Survey Grid Boundary

Figure 2-1 SURVEY GRID MAP — NAS PENSACOLA **SITE** 24

survey and particulate air sampling, geophysical survey, and utilities survey vere evaluated to identify areas of potential surface or subsurface contamination and areas of stressed vegetation at the site. Based on the results of this evaluation, no revisions to the Phase I soil boring or temporary monitoring vell locations, shown on Figure 14-2 of the work plan, vere necessary.

2.8 SOIL BORINGS AND TEMPORARY MONITORING VELL INSTALLATION

A total of 19 soil borings vere completed at Site 24 (see Figure 2-2). At each boring location, samples vere collected by compositing soils over discrete depth intervals. At 16 of the boring locations, samples vere collected from the borings, using solid-stem augers powered by a drill rig, at intervals of 0 to 4 feet belov land surface (BLS) and at every subsequent 5-foot interval to the water table. At three of the boring locations (15, 17, and 19), the sampling protocol vas the same, except that the initial sample vas collected from land surface to a depth of 5 feet BLS. Bach sampling depth interval vas assigned a letter designation as follovs: A interval = surface to 4 or 5 feet BLS; B interval = 4 to 9 feet BLS or 5 to 10 feet BLS; and so on to the vater table. Boring depths ranged from 12 to 18 feet BLS.

Lithologic characteristics of the materials encountered in each borehole vere recorded in the field logbook. All sampling, compositing, and lithologic logging activities vere performed in accordance vith Section 6.6 of the GQAPP. Equipment decontamination vas performed in accordance vith Section 6.10 of the GOAPP.

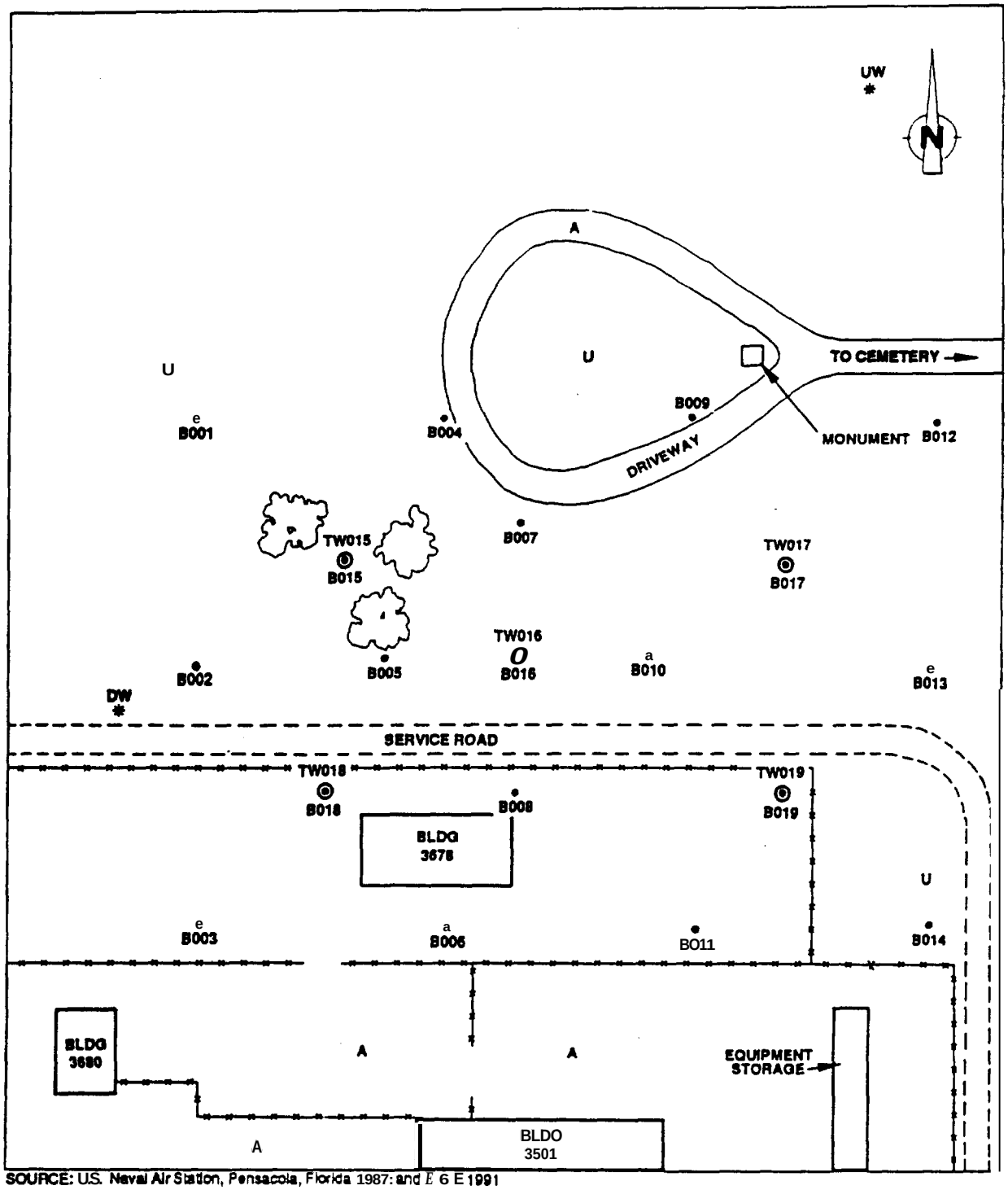
Temporary stainless-steel monitoring wells vere installed in five of the above borings (see Figure 2-2). Each well vas constructed vith 5 feet of 0.01-inch slotted screen and installed to a depth that alloved the vell screen to bracket the water table. All equipment decontamination activities were performed in accordance vith Section 6.10 of the GQAPP.

2.9 SOIL SAMPLING

A total of 59 soil samples, plus duplicate samples, vere collected as described in Section 2.8. 1 soil samples vere shipped to

2400352

[Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E 6 E 1991

SCALE

0 — — 100 200 FEET

KEY:

	Tree	DW/UW	Downwind/Upwind	O	Temporary Monitoring Well
BLDG 3678	Building	A	Asphalt Paved Area	•	Soil Boring
	Fence	U	Unpaved Area	TW015	Monitoring Well Number
*	Particulate Air Sampling Location		Unpaved Road	B015	Soil Boring Number

Figure 2-2 PARTICULATE AIR SAMPLING, SOIL BORING, AND TEMPORARY MONITORING WELL LOCATIONS — NAS PENSACOLA SITE 24

B & E's Analytical Services Center (ASC) in Buffalo, New York, and analyzed for the screening parameters listed in Table 2-2.

2.10 GROUNDWATER SAMPLING

Five groundwater samples, plus one duplicate sample, were collected from the five temporary monitoring wells shovn on Figure 2-2. Weather conditions; water levels; purge volumes; and groundwater pH, specific conductance, and temperature measurements were recorded in the field logbook prior to sampling. In addition, prior to purging, each well was checked for the presence of floating and/or sinking immiscible hydrocarbons using an MMC International oil-water interface probe. Each groundwater sample was collected immediately following well purging. All well purging and sampling activities were performed in accordance vith sections 6.8 and 6.11 of the GQAPP. Equipment decontamination was performed in accordance with Section 6.10 of the GQAPP. All of the groundwater samples collected from the temporary monitoring wells were shipped to E & E's ASC and analyzed for the screening parameters listed in Table 2-2.

2.11 HYDROLOGIC ASSESSMENT

The hydrologic assessment of the site and surrounding areas included determination of water level elevations in the temporary monitoring wells.

Wellhead top-of-casing (TOC) elevations for the temporary monitoring wells were measured, using a spirit level and tape measure, relative to the top of a driven reference stake located adjacent to each well. Static groundwater levels vere measured relative to the wellhead TOC over a two-day period (January 23 and *24*, 1991). Following groundwater sampling and removal of the temporary monitoring wells, the elevations of the driven reference stakes were surveyed using a transit with reference to the previously established elevation at permanent monitoring well GM39 (located on Site 1--Sanitary Landfill).

2400353

[Bold items enclosed in brackets denote changes to the last version of document]

Table 2-2

SAMPLING AND ANALYTICAL SUMMARY
NAS PENSACOLA SITE 24

Medium	No. of Samples	Duplicates	Total	Analytical suite[a,b]
Soil	59	2	61	A
Groundwater	5	1	6	A

[NASP]UH6047:T0234/296/25

Key:

[a]Analytical suite dosignations are as follows:

A = Volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), organophosphorus pesticides, carbamates, pesticides and total polychlorlnatod biphenyls (PCBs), total recoverable petroleum hydrocarbons (TRPHs), and metals (total, unfiltered).

[b]Specific constituents encompassed by tho various chemical groups included within analytical suite A are identified in tables 9-1 through 9-4 of the GQAPP.

Source: Ecology and Environment, Inc., 1991.

[Bold items enclosed in brackets denote changes to the last version of document]

2.12 FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

All field tasks performed during the investigation vere documented in the field logbooks according to the procedures specified in Section 7.2 of the GQAPP.

2.12.1 Field QA/QC Samples

Field QA/QC samples were prepared for all samples collected at Site 24 during the Phase I investigation, according to the procedures described in Section 6.12 of the GQAPP. Chain-of-custody vas maintained for all samples collected, packaged, and shipped to E & E's ASC for analysis. Sample management vas performed as specified in Section 7 of the GQAPP. The field QA/QC samples collected and corresponding analytical parameters are listed in Table 2-2.

2.12.2 Decontamination Procedures

All equipment used during field activities vas decontaminated in accordance with Section 6.10 of the GQAPP.

2.13 INVESTIGATION-DERIVED VASTE MANAGEMENT

Excess soil material generated during soil boring and temporary monitoring well installation activities vas temporarily contained adjacent to the well or boring and then backfilled into the borehole after the auger flights or temporary well casings had been removed following sample collection. Any soil material remaining after completion of borehole backfilling vas placed in 55-gallon drums, scaled, labeled, and moved to a central area on the site. Each drum has a painted-on label listing the site number and the type of material contained in the drum.

All vater generated during development and purging of the temporary monitoring wells vas temporarily contained adjacent to the well and then poured back into the well folloving the collection of samples.

Potentially contaminated clothing and disposable materials, vastes generated during decontamination activities, and other potentially

2400354

[Bold items enclosed in brackets denote changes to the last version of document]

contaminated, investigation-derived materials were placed in 55-gallon drums, labeled, and moved to a central area on the site. The drums were sealed and labeled "trash". All drummed investigation-derived materials were subsequently picked up and disposed of by NAS Pensacola.

3. RESULTS

31 AERIAL PHOTOGRAPH AND EXISTING DATA ANALYSIS

Review of the January 22, 1951, aerial photograph indicated that Site 24 lacked vegetation except for a thickly wooded area to the north. An unpaved road crossed the southern portion of the site in an east-west direction. Building 3678 was not yet present.

Review of the January 3, 1958, aerial photograph indicated that the site was covered with low-lying vegetation, and buildings 3678 and 3561 were still not present. Review of the October 12, 1961, aerial photograph indicated that the central portion of the site appeared to be less vegetated; however, no evidence of activity was noted. Buildings 3678 and 3561 were still not present.

Review of the October 8, 1964, aerial photograph revealed the presence of a possible spill area along the western border of the site, south of the unpaved road. Review of the March 25, 1968, aerial photograph indicated that this possible spill area had become sparsely covered with vegetation. Small objects that could be tanks or drums were located north and south of the unpaved road. No significant changes were noted on the April 6, 1970, or May 4, 1973, aerial photographs (the possible tanks or drums were still visible). During this time, buildings 3678 and 3561 still had not been constructed, and the central area of the site, as well as the former spill area, had become progressively more vegetated.

Review of the April 28, 1976, aerial photograph indicated that Building 3561 had been constructed south of the unpaved road. No significant changes were noted on the March 6, 1981, or September 22, 1983, aerial photographs.

[Bold items enclosed in brackets denote changes to the last version of document]

Reviev of the November 21, 1986, aerial photograph indicated that a large area south of the unpaved road had been cleared and possibly fenced. Small objects, possibly drums, appeared to be stored in the area, but Building 3678 vas still not present. Reviev of the October 26, 1989, aerial photograph indicated that the thickly vooded area north of the site had been cleared, and only a small row of trees remained along Taylor Road. A small building (probably existing Building 3678) had been constructed vithin the cleared, fenced area south of the unpaved road, and the possible drums vere still present.

Several potential sources of contamination in the vicinity of Site 24 were observed on the available aerial photographs. These potential source areas include: 1) the less vegetated central portion of the site (1961 photograph); 2) the possible spill area along the western border of the site, south of the unpaved road (1964 and 1968 photographs); 3) the possible tank or drum storage areas north and south of the unpaved road (1968, 1970, and 1973 photographs); and 4) the possible drum storage area in the cleared, fenced area south of the unpaved road (1986 and 1989 photographs). The possible spill area, located along the western border of the site and south of the unpaved road, vas the only area of staining noted, and no obvious visual evidence of stressed vegetation vas observed.

32 SITE RECONNAISSANCE

During the site reconnaissance, visual inspections were made around Building 3678, which is a corrugated metal shed apparently used for storage. A storm drain is located approximately 75 feet northwest of Building 3678. Metallic objects, such as cast iron pipes, refrigerators, and air conditioners, are stored within the fenced area and east of Building 3678. Approximately 350 feet northeast of Building 3678, a small paved road loops into the site froa the cemetery (see Figure 1-2). Site 24 is very flat, and no distinct surface runoff routes vere observed.

An HNu air monitoring device vas used to monitor ambient air during the site reconnaissance. No readings above background vere recorded.

2400356

[bold items enclosed in brackets denote changes to the last version of document]

3.3 HABITAT/BIOTA SURVEY

The vegetation in the immediate vicinity of Site 24 is dominated by grass species. Three oak trees are present on site. Sand pine scrub communities border Site 24 on the north and west sides. Although few faunal species, primarily small mammals and birds, may utilize the habitat at Site 24 for feeding, a moderate number of species may take advantage of the site as a travel corridor to the adjacent wooded area to the north. Appendix A lists the birds observed during the habitat/biota survey.

No threatened or endangered species or sensitive areas are believed to exist on or near the site. Vegetation does not appear stressed, and no visible impacts from hazardous waste were observed on site. No aquatic habitats are associated with Site 24.

3.4 SURFACE EMISSIONS SURVEY AND PARTICULATE AIR SAMPLING

An OVA was used to monitor surface emissions across Site 24. No readings above background were recorded; background readings were recorded in the field logbook (see Appendix B).

On November 13, 1990, a Mini-Ram particulate air monitoring device was used to determine if Site 24 could represent a source of particulates in the air. During the test, the wind was blowing from the north-northeast at approximately 3 miles per hour (mph). The Mini-Ram was placed upwind at the northeast corner of the site [(see Figure 2-2)]. After 15 minutes, the time weighted average (TWA) of particulates was 0.12 milligrams per cubic meter (mg/m^3). The Mini-Ram was then placed directly downwind of the upwind station at the southwest corner of the site [(see Figure 2-2)]. After a period of 15 minutes, the TWA was recorded as 0.15 mg/m^3. Based on these results, Site 24 does not appear to be a significant source of particulates.

3.5 GEOPHYSICAL SURVEY

Neither the Mag survey nor the metal detector survey identified the presence of any buried ferrometallic objects or debris that might have been associated with past site activities. Appendix B presents the grid coordinates, Mag readings, and metal detector readings for Site 24. Figure 3-1 shows the contoured total magnetic field values (in units of

[Bold items enclosed in brackets denote *changes* to the last version of document]

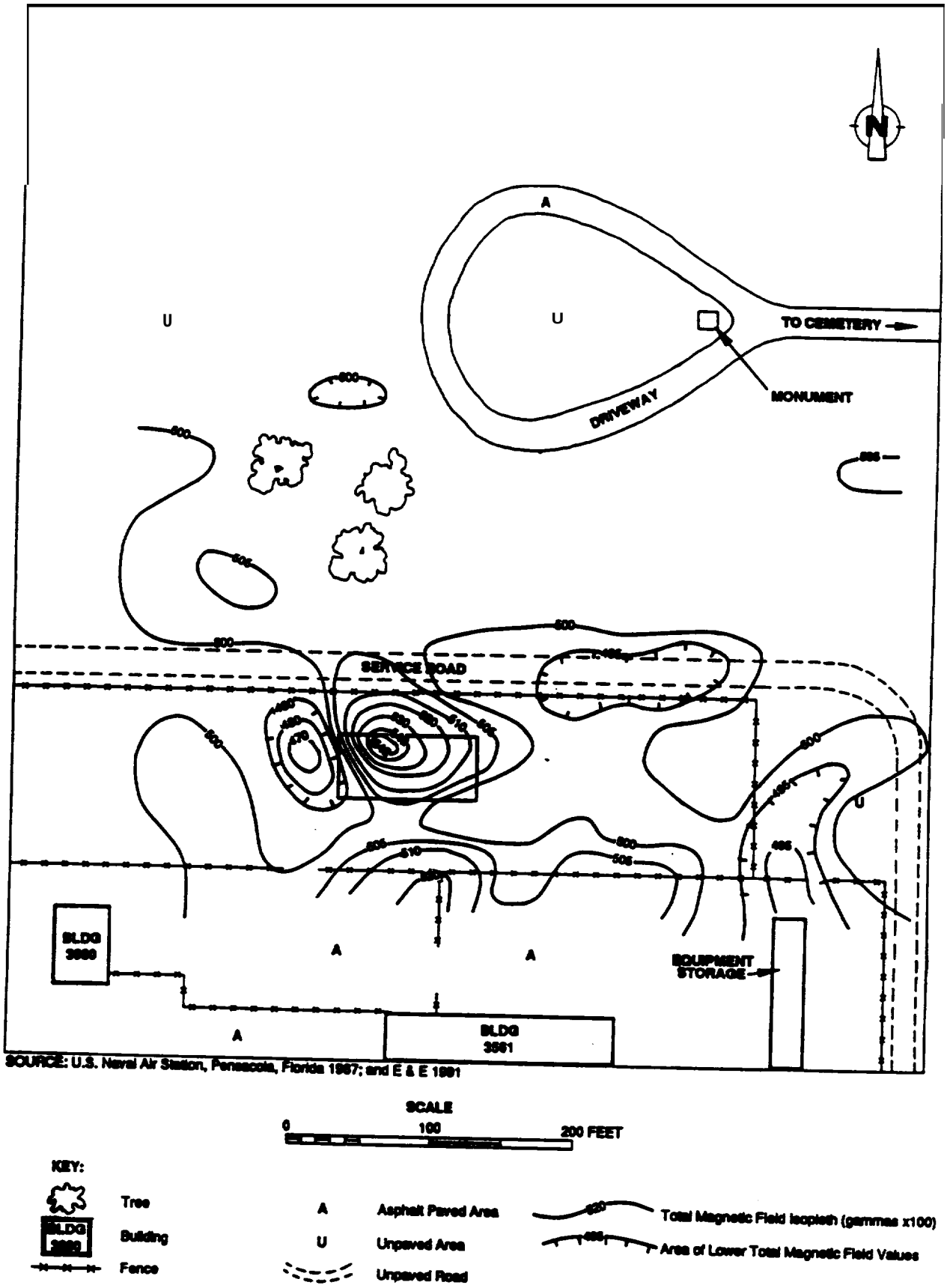


Figure 3-1 MAGNETOMETER SURVEY, TOTAL MAGNETIC FIELD — NAS PENSACOLA SITE 2

2400357

gammas x 100) across the site area. A strong, positive magnetic anomaly is located in the area of Building 3678; weaker negative anomalies are located east and west of the building. These anomalies are apparently associated with the metal structure and siding of Building 3678, the reinforced concrete adjacent to this building, and other metal equipment located on the surface in the southern portion of the site area, rather than with the presence of buried metal objects. The total magnetic field in the northern portion of the site appears to be undisturbed.

3.6 HYDROLOGIC ASSESSMENT

3.6.1 Shallow Subsurface Lithology

Based on information collected during the completion of the borings, the shallow subsurface lithology beneath Site 24 can be generally characterized as a tan to dark brown, medium-grained quartz sand that becomes a white, coarse-grained quartz sand near the water table. Appendix C presents the lithologic logs for the 19 soil borings completed at Site 24.

[OVA readings taken in the open boreholes during drilling ranged from 0 to 175 ppm. OVA open-borehole readings for the site are presented in Appendix C.]

3.6.2 Water Levels and Groundwater Flow

Table 3-1 lists the water level elevations measured in the temporary monitoring wells at Site 24. Based on the measurements taken from the soil borings and temporary wells, the depth to the water table across the site is between 10.6 and 13.2 feet BLS.

Figure 3-2 illustrates the temporary well water level elevations (January 23 and 24, 1991) and the corresponding groundwater flow direction in the upper portion of the surficial zone of the Sand-and-Gravel Aquifer at Site 24. Although the water level elevations plotted on Figure 3-2 were calculated based on water levels measured over a two-day period, it is believed that the flow directions and horizontal hydraulic gradients discussed below are generally representative of the conditions prevailing at that time.

Based on the temporary well groundwater elevations, Figure 3-2 indicates a southeast-northwest trending "ridge" in the water table,

2400358

Table 3-1

TEMPORARY MONITORING WELL CONSTRUCTION INFORMATION
AND WATER LEVEL ELEVATIONS
NAS PENSACOLA SITE 24

Well Number	Total Depth (BLS)	Depth to Water (BLS)	Depth to Water BTOC	TOC Elovation	Water Level Elevation	Date Measured
TU015	16.10	**10.59**	14.49	29.27	14.78	1/24/91
TU016	15.91	12.14	16.23	30.77	14.54	1/23/91
TU017	15.8	11.65	15.85	30.30	14.45	1/23/91
TU018	16.62	13.24	16.62	31.10	14.48	1/2 4/91
TW019	15.97	11.81	11.84	30.70	14.86	1/23/91

14[NASP]UH6047:T0234/258/22

Notes:

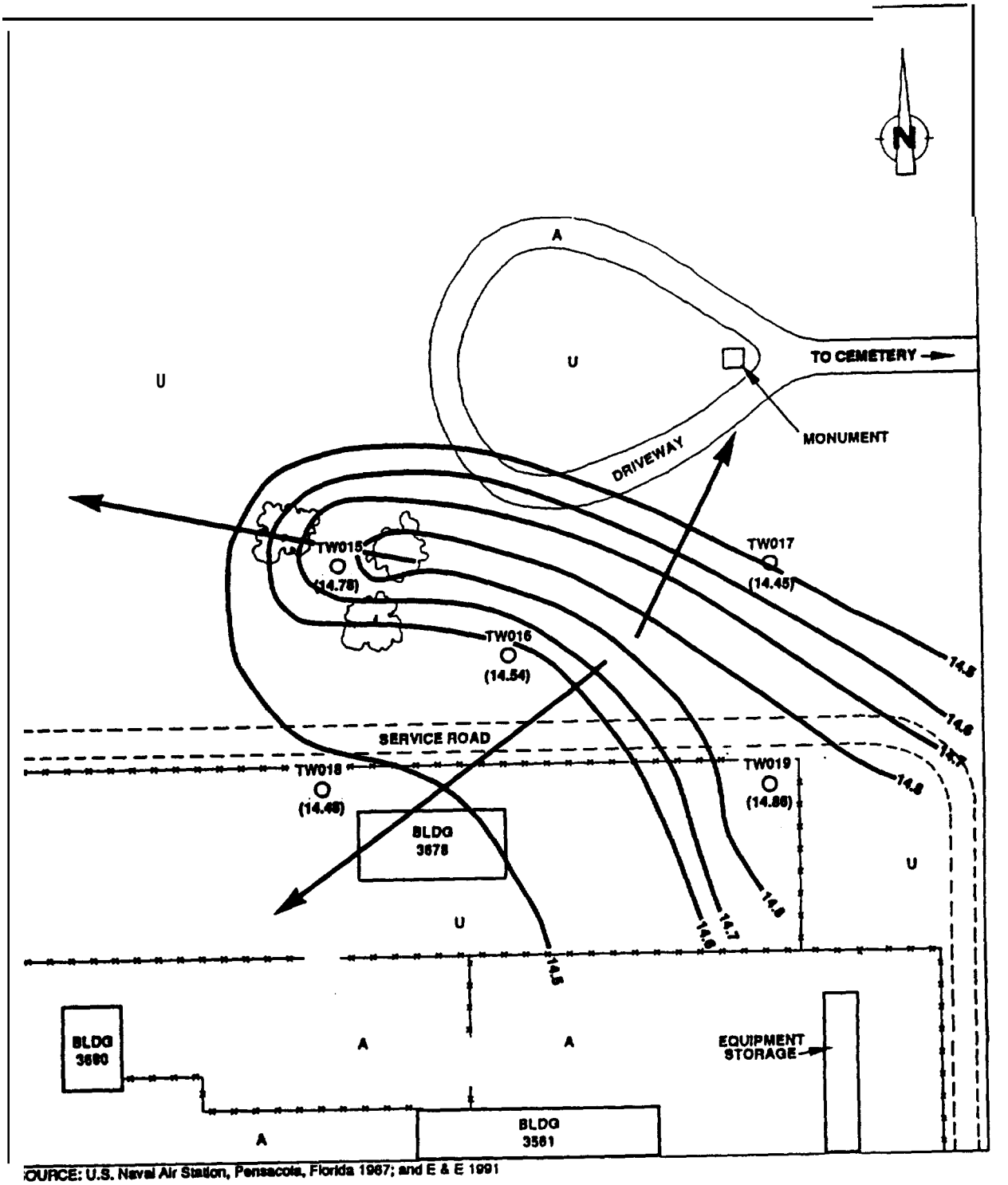
All depths are in foot.
All elevations are in foot referenced to mean sea level (MSL).
All wells were conrtructod of 2-inch diameter stainless steel with 5 foot of 0.01-inch screen.

toy:

BLS = Below land surface.
TOC = top of casing.
BTOC = Below top of casing.

Source: Ecology and Environment, tnc., 1991.

[Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1967; and E & E 1991

SCALE
0 100 200 FEET

KEY:

	Tree	A	Asphalt Paved Area	(14.86)	Water Level Elevation (Feet Above MSL)
BLDG 3678	Building	U	Unpaved Area	14.8	Water Level Elevation Isopleth (Feet Above MSL)
	Fence		Unpaved Road		Groundwater Flow Direction
			Temporary Monitoring Well		

Figure 3-2 SURFICIAL ZONE WATER LEVEL ELEVATIONS
NAS PENSACOLA SITE 24

with groundvater flov direction components off this "ridge" to the southvest, northwest, and northeast. The corresponding horizontal hydraulic gradients are approximately 0.001, 0.002, and *0.003*, respectively. The existence of the vater table "ridge" and associated multidirectional flow system probably reflects a local anomaly in the area-vide flow system corresponding to a local anomaly in shallow subsurface lithologic/hydrogeologic properties. If so, the prevailing area-wide groundvater flov direction (see Figure 3-2) vould be toward the north-northwest, in general agreement with the flov direction indicated by water level elevations from the wells on Site 1 (Sanitary Landfill), located approximately 1,000 feet north of Site 24.

3.7 CHEMICAL ANALYSES

[The following section presents the results of the laboratory analyses of the soil and groundvater samples. The specific analytical parameters and parameter groups are listed or referenced in Table 2-2.]

3.7.1 Soil

Table 3-2 summarizes the analytical screening results for soil samples collected at Site 24. Figure 2-2 shovs the boring locations at Site 24. The complete analytical screening results for soil samples are presented in Appendix D.

In general, one or more of the soil samples collected at Site *24* exhibited elevated levels of metals (particularly lead), total recoverable petroleum hydrocarbons (TRPHs), and the carbamate pesticide fluometuron. Trace to low levels of polynuclear aromatic hydrocarbons (PAHs) were detected in a number of samples. No phenols, polychlorinated biphenyls (PCBs), or pesticides other than fluometuron vere detected in any of the soil samples. The volatile organic compounds (VOCs) toluene and methylene chloride were detected at low levels in a number of samples, but their presence is believed to reflect false analytical positives and/or laboratory-derived contamination rather than actual soil contamination.

2400359

[Bold items enclosed in brackets denote changes to the last version of document]

Table 3-2

SUMMARY ANALYTICAL SCREENING RESULTS FOR SOIL SAMPLES
NAS PENSACOLA SITE 24
(All results in µg/kg, unless noted)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)							
		P24S001A (B001A)	P24S001B (B001B)	P24S001C (B001C)	P24S002A (B002A)	P24S002B (80028)	P24S002C (B002C)	P24S003A (B003A)	P24S003B *(80038)*
Chromium (mg/kg)	1	8.1	2.0	4.8	1.2	1.5	--	5.1	1.6
Zinc (mg/kg)	2	4.6	4.9	--	--	--	--	37	6.6
Lead (mg/kg)	4	39	--	--	--	--	--	45	7.3
Cadmium (mg/kg)	*0.5*	--	--	--	--	--	--	1.1	0.68
Nickel (mg/kg)	4	--	--	--	--	--	--	--	--
Copper (mg/kg)	*2.5*	13	3.4	--	--	--	--	22	2.7
TRPHs (mg/kg)	5	--	--	--	--	7.0	--	--	--
Toluene	1,000	--	--	--	1,300	1,300	1,200	1,400	1,400
Methylene Chloride	1,000	--	--	--	--	--	--	--	--
Total PAHs as Benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--
Fluometuron	1,000]	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0234/223/5

Key at end of table.

(Bold items enclosed in brackets denote changes to tho last version of document]

2400 [redacted] 360

Table 3-1 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval) P24S003C (B003C)	P24S004A (B004A)	P24S004B (B004B)	P24S004C (B004C)	P24S005A (B005A)	P24S005AD[a] (B005A)	P24S005B (B005B)	P24S005C (B005C)
Chromium (mg/kg)	1	1.7	2.2	3.7	1.6	1.5	1.4	1.6	1.8
Zinc (mg/kg)	2	--	5.1	5.8	37	--	--	--	--
Lead (mg/kg)	4	--	14	44	5.3	--	--	--	--
Cadmium (mg/kg)	0.5	--	--	--	0.86	--	--	--	--
Nickel (mg/kg)	4	--	--	--	--	--	--	--	--
Copper (mg/kg)	2.5	--	3.2	11	--	--	--	--	--
TRPHs (mg/kg)	5	--	--	--	--	--	12	--	--
Toluene	1,000	1,300	--	--	--	1,300	1,300	1,300	1,200
Methylene Chloride	1,000	--	--	--	--	--	--	--	--
Total PAHs as Benzo-a-pyrene	1,000	--	--	--	(L)	--	--	--	--
Fluometuron	1,000]	--	--	--	--	--	--	1,200	--

14[NASP]UH6047:T0234/223/5

Key at end of table.

[Bold items enclosed in brackets denote changes to the last ve[illegible] of document]

Table 3-2 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)							
		P24S006A (B006A)	P24S006B (B006B)	P24S006C (B006C)	P24S006D (B006D)	P24S007A (B007A)	P24S007B (B007B)	P24S007C (B007C)	P24S008A (B008A)
Chromium (mg/kg)	1	1.9	33	5.8	3.0	3.4	12	6.5	3.8
Zinc (mg/kg)	2	8.2	55	56	6.1	4.1	43	80	4.3
Lead (mg/kg)	4	7.5	57	26	--	--	76	18	8.6
Cadmium (mg/kg)	0.5	--	1.9	3.2	0.60	0.65	1.2	0.71	--
Nickel (mg/kg)	4	--	14	--	--	--	--	--	--
Copper (mg/kg)	2.5	--	10	5.2	--	--	24	23	4.8
TRPHs (mg/kg)	5	13	36	14	--	--	--	41	--
Toluene	1,000	1,300	1,300	1,200	1,200	--	--	--	1,200
Methylene Chloride	1,000	--	--	--	--	--	--	--	2,500
Total PAHs as Benzo-a-pyrene	I,000	1,300	--	--	--	--	(L)	(L)	(L)
Fluometuron	1,0001	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0234/223/5

Key at end of table.

[Bold items enclosed in brackets denote changes to tho last version of document]

Table 3-2 (Cont.)

Parameter	[Detection Limit	P24S008B (B008B)	P24S008C (B008C)	P24S009A (B009A)	P24S009B (B009B)	P24S009C (B009C)	P24S010A (B010A)	P24S010AD[b] (B010A)	P24S010B (B010B)
		Sample Number (Location and Depth Interval)							
Chromium (mg/kg)	1	1.4	4.8	3.4	2.9	5.3	1.2	1.2	--
Zinc (mg/kg)	a	3.4	6.9	9.3	10	6.4	--	--	--
Lead (mg/kg)	4	--	--	240	770	120	--	--	--
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--
Nickel (mg/kg)	4	--	--	--	--	--	--	--	--
Copper (mg/kg)	**2.5**	--	--	**29**	**140**	21	--	--	--
TRPHs (mg/kg)	**5**	11	--	--	--	--	9.5	--	8.5
Toluene	**1,000**	--	1,200	--	--	--	1,100	1,100	1,200
Methylene Chloride	1,000	2,600	2,100	--	--	--	2,900	2,900	3,000
Total PAHs as Benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--
Fluometuron	**1,000]**	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0234/223/5

Key at end of table.

[Bold items enclosed in brackets denote changes to the last v[illegible] of document]

361
2400[illegible]

Table 3-2 (Cont.)

Param. ter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P24S010C (B010C)	P24S011A (B011A)	P24S011B (B011B)	P24S011C (B011C)	P24S012A (B012A)	P24S012B (B012B)	P24S012C (B012C)	P24S013A (B013A)	P24S013B (B013B)
Chromium (mg/kg)	1	1.1	2.9	--	3.0	4.8	6.1	2.6	1.2	2.8
Zinc (mg/kg)	2	5.2	17	2.6	34	17	3.4	--	--	2.7
Load (mg/kg)	4	--	360	--	7.6	450	13	13	--	5.6
Cadmium (mg/kg)	0.5	--	--	--	0.73	--	1.0	--	--	--
Nickel (mg/kg)	4	--	--	--	--	--	--	--	--	--
Copper (mg/kg)	2.5	--	3.3	--	--	66	--	--	--	--
TRPHs (mg/kg)	5	9.0	--	9.6	15	--	74	100	160	59
Toluene	1,000	1,000	--	1,100	1,200		--	--	--	--
Methylene Chloride	1,000	2,800	2,300	1,600(B)	2,400	--	--	--	--	--
Total PAHs as Benzo-a-pyrene	1,000	--	(L)	--	--	--	--	--	--	--
Fluometuron	1,0001	--	--	--	--	--	--	--	--	*20,000*

14[NASP]UH6047:T0234/223/5

Key at end of table.

[Bold items enclosed in brackets denote changes to the last version of document]

2400362

Table 3-2 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P24S013C (B013C)	P24S014A (B014A)	92410140 (B014B)	P24S014C (B014C)	P24S015A (B015A)	P24S015B (B015B)	P24S016A (B016A)	P24S016B (80168)	P24S016C (B016C)
Chromium (mg/kg)	1	4.6	1.6	2.0	--	1.8	15	1.1	1.4	2.0
Zinc (mg/kg)	2	3.1	9.1	10	3.6	12	360	--	--	--
Lead (mg/kg)	4	--	150	--	--	27	140	--	--	--
Cadmium (mg/kg)	0.5	--	--	0.65	--	--	11	--	--	--
Nickel (mg/kg)	4	--	--	--	--	--	9.4	--	--	--
Copper (mg/kg)	2.5	--	--	--	--	--	60	--	--	--
TRPHs (mg/kg)	5	51	56	56	52	--	92	--	--	--
Toluene	1,000	--	--	1,200	1,400	1,100	--	1,100	--	1,000
Methylene Chloride	1,000	--	--	--	--	2,900 B)	3,200(B)	2,400(B)	2,100(B)	2,900(B)
Total PUIS as Benzo-a-pyrene	1,000	--	(L)	--	--	--	1,600	--	--	--
Fluometuron	1,000]	--	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0234/223/5

Key at end of table.

Table 3-2 (Cont.)

Parameter	[Detection Limit	P24S017A (B017A)	P24S017B (B017B)	P24S018A (B018A)	P24S018B (B018B)	P24S018C (B018C)	P24S018D (B018D)	P24S019A (B019A)	P24S019B (B019B)	P24S019C (B019C)
		Sample Number (Location and Depth Interval)								
Chromium (mg/kg)	1	2.3	7.9	4.6	4.5	2.0	3.6	3.9	1.1	1.5
Zinc (mg/kg)	2	9.3	310	61	87	24	10	16	6.1	8.9
Load (mg/kg)	4	13	2,900	89	41	12		400	--	--
Cadmium (mg/kg)	0.5	--	1.8	1.5	3.6	0.84	0.67	--	--	0.63
Nickel (mg/kg)	4	--	5.6	--	--	--	--	--	--	--
Copper (mg/kg)	2.5	--	180	48	12	4.6	--	3.7	--	--
TRPHs (mg/kg)	5	--	54	42	12	--	--	21	--	--
Toluene	1,000	1,100	1,000	--	--	1,100	1,400	1,200	1,400	1,300
Hethylone Chlorido	1,000	4,100(B)	3,500 B)	1,400 a)	1,200 B)	1,300 B)	--	--	--	--
Total PAHs as Benzo-a-pyrene	1$000	(L)	(L)	(L)	(L)	--	--	(L)	--	--
Fluometuron	1,000]	--	--	--	-	--	--	--	--	--

14[NASP|UH6047:T0234/223/5

Note: These results were reported on a wet-weight basis.

Key:

[a]Duplicate of sample P24S005A.
[b]Duplicate of sample P24S010A.

Dash (--) indicates compound not detected.

Qualifiors:
(B) = Compound also present in method blank.
(L) = Present below stated detection limit.

Source: Ecology and Environment, Inc., 1991.

[Bold items enclosed in brackets denote changes to tbo last version of document]

netils

Chromium, zinc, and lead were detected in most of the soil samples, but only lead and, to a much lesser extent, zinc vere present at elevated concentrations in any samples. Cadmium and copper vere detected in approximately one third of the samples, but only a few samples exhibited comparatively elevated levels of the metals. Nickel vas detected in only tvo samples.

Figure 3-3 shovs the distribution of the highest lead concentration detected at each of the Site 24 soil sampling locations. Elevated levels (as high as 2,900 milligrams/kilogram [mg/kg]) are present across the entire site except in the area immediately north of and parallel to the service road. The highest lead concentrations were detected in the A- or B-interval sample.

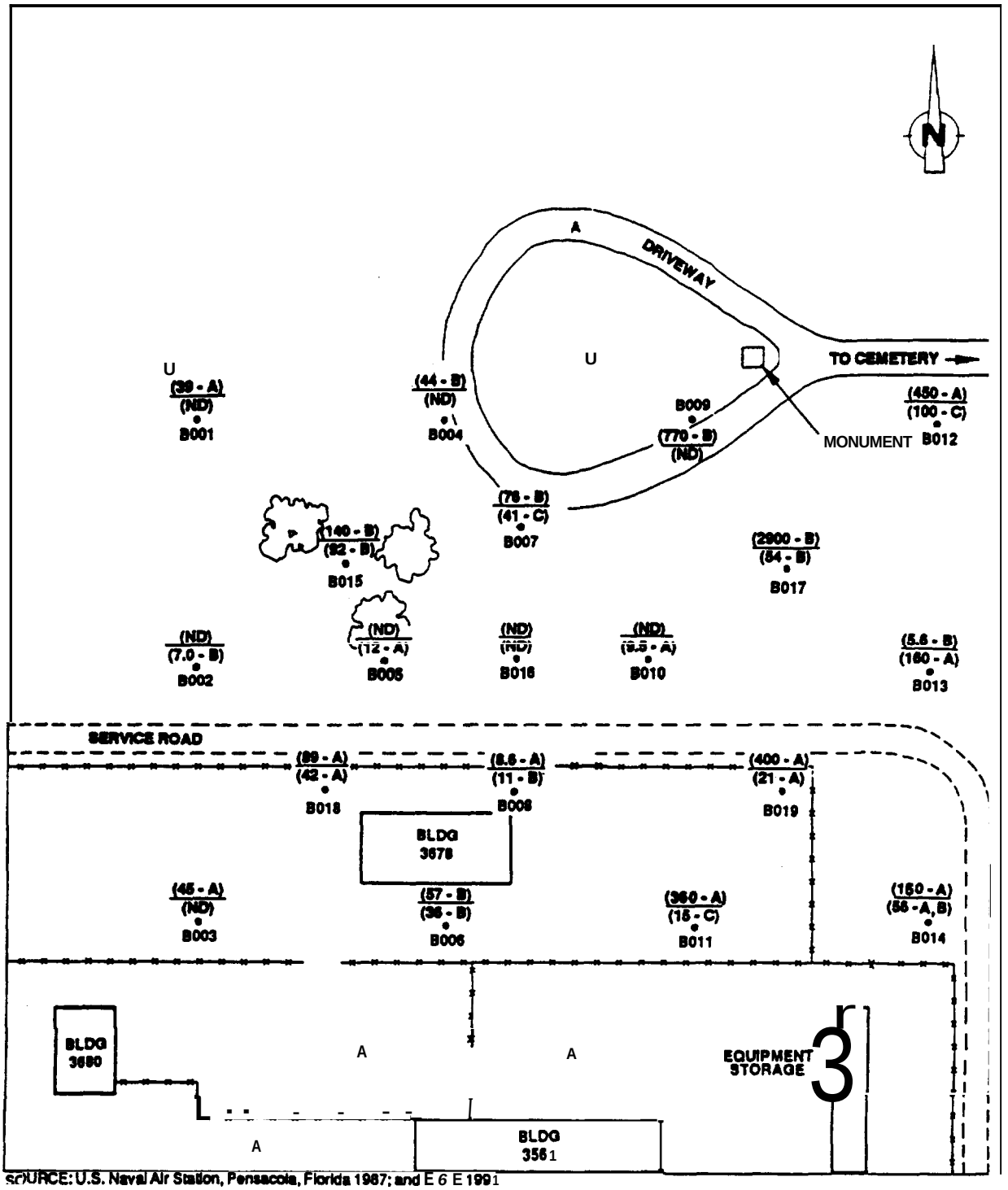
The area of low concentrations parallel to the service road is probably associated with soil reworking or removal activities apparently associated with the recent mulching and planting of a line of pine saplings in this area (i.e., north of and parallel to the service road).

The three highest lead concentrations vere detected in samples collected from the northeast corner of the site (borings 8017, B009, and B012, respectively); these samples also exhibited the highest copper concentrations (see Table 3-2). Elevated lead concentrations were also detected in the southeast corner of the site (borings B019, Boll, and B014) and between the trees on the western part of the site (boring B015). The B-interval sample from boring B015 also exhibited comparatively elevated levels of the five other metals (see Table 3-2). The B-interval sample from boring B006 (south of Building 3678) also exhibited comparatively high concentrations of all six metals (see Figure 3-3).

The widespread occurrence of elevated soil lead concentrations across Site *24* may indicate an ambient source in the site vicinity rather than a rite-specific source(s). However, the specific areas of extremely high soil lead concentrations (e.g., the northeast and southeast corners of the site), are probably attributable to some activity or activities that have actually occurred on site.

2400363

[Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E 6 E 1991

SCALE

0 100 200 FEET

KEY:

T—	Building	A	Asphalt Paved Area	• Soil Boring
	Fence	U	Unpaved Area	(57 - B) Highest Lead Concentration (mg/kg) and Corresponding Sample Interval
			Unpaved Road	(36 - B) Highest TRPH Concentration (mg/kg) and Corresponding Sample Interval
				ND Not Detected

Figure 3-3 HIGHEST LEAD AND HIGHEST TRPH CONCENTRATIONS DETECTED AT SOIL BORING LOCATIONS — NAS PENSACOLA SITE 24

TRPHs

Slightly to moderately elevated TRPH concentrations (as high as 160 mg/kg) vere detected across the full extent of Site 24 (see Figure 3-3). As indicated on Figure 3-3, there is no clear pattern to the lateral distribution of elevated TRPH concentrations, nor is there a distinct correlation between the elevated TRPE concentrations and the occurrence of elevated lead concentrations. In addition, the highest concentration at any given boring location vas equally likely to occur in the A- , B- , or C-interval sample. Eovever, TRPH concentrations are highest in the samples collected at the eastern *edge* of the site (borings BO12, BO13, and BO14). Although none of the boring BO14 samples exhibited TRPH levels greater than 100 mg/kg, all three BO14 sample intervals contained greater than 50 mg/kg TRPHs, making BO14 the third most TRPH-contaminated boring location.

These data suggest that an ambient source of TRPH contamination may be present in the site vicinity. Eovever, the high concentrations in the easternmost sampling locations also suggest that a more specific source of TRPH contamination may be located immediately east of Site 24.

VOCs

Toluene and methylene chloride vere the only VOCs detected in any of the soil samples (see Table 3-2). Toluene was detected in 34 of the samples at concentrations betveen 1,000 and 1,400 micrograms/kilogram (µg/kg). Given the uniformity of detected concentrations and the absence of a clear distribution pattern, it is believed that the detected presence of toluene represents a false analytical positive rather than actual soil contamination. (The screening samples vere not subject to second column confirmation; see Section 3.9.2.)

Methylene chloride vas detected in 20 of the soil samples at concentrations less than or equal to 4,100 µg/kg. This common laboratory solvent was also detected at similar levels in the laboratory method blanks associated with 11 of these soil samples (see Section 3.9.2). Therefore, the presence of methylene chloride in at least 11 of the soil samples is attributed to laboratory-derived contamination. Given that the detected concentrations of methylene chloride in the other nine samples vere not much higher than the detection limits, the

2400364

occurrence of methylene chloride in these nine samples is probably also due to laboratory-derived contamination.

PAHs

Low to trace levels of PAHs (less than or equal to 1,600 µg/kg) were detected at 10 sampling locations, usually in the A- or B-interval samples (see Figure 3-4 and Table 3-2). As is the case for lead, PAHs were not detected in any of the samples collected in the area north of and parallel to the service road. Eowever, there are no other correlations between the occurrence of PAHs and that of lead or TRPHs in the soil samples. As is the case for lead and TRPHs, the widespread detection of PAHs suggests the presence of an ambient source in the vicinity of Site 24.

It should be noted that PAHs were reported as benzo-a-pyrene for laboratory reporting purposes; however, PAHs other than benzo-a-pyrene may be present in the samples.

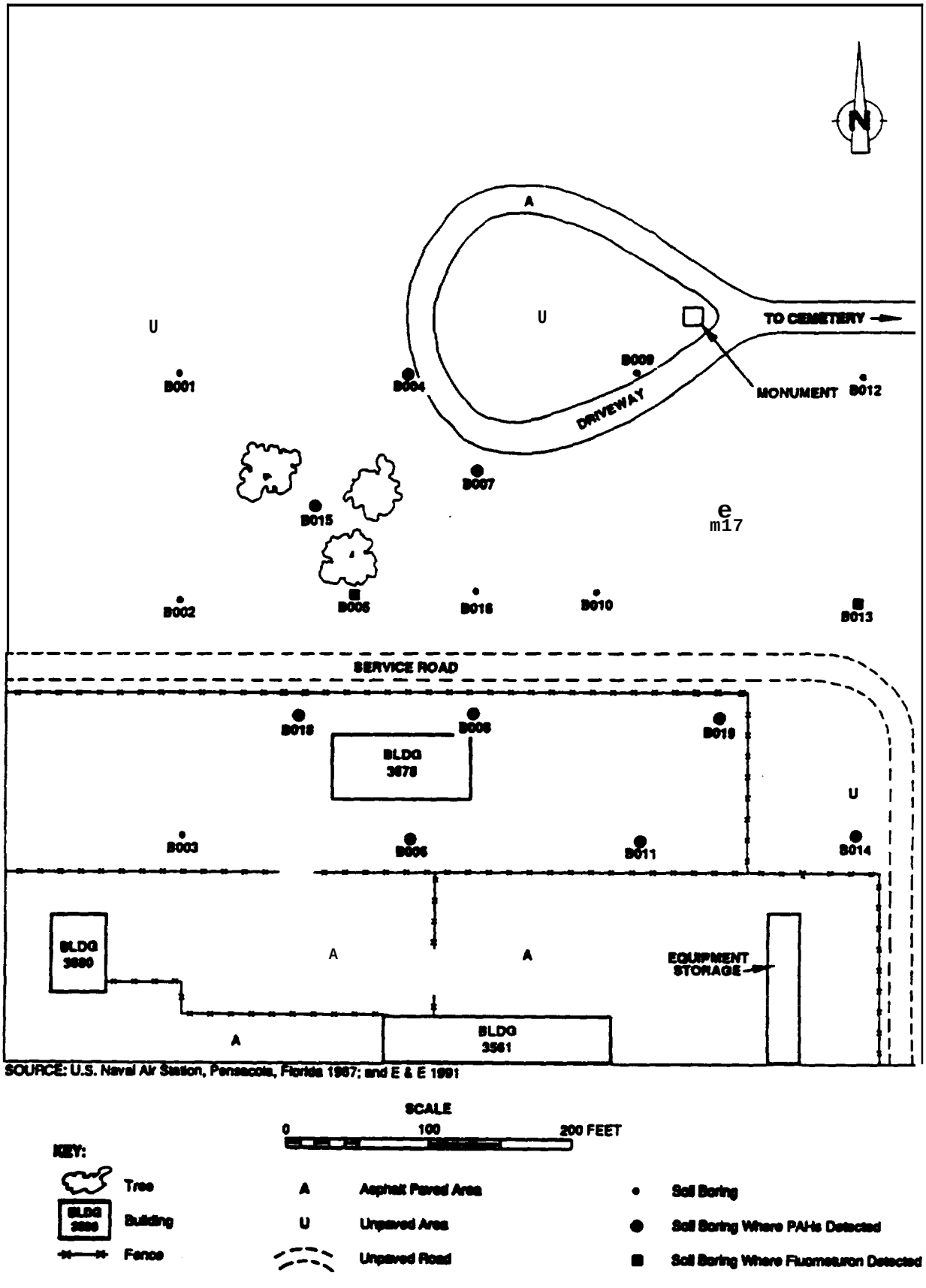
Pesticides

The carbamate pesticide fluometuron was the only pesticide detected, and it was detected in only two samples: S005B at 1,200 µg/kg and S013B at 20,000 µg/kg (see Figure 3-4 and Table 3-2). The occurrence of fluometuron at these locations may be associated with the planting of pine saplings in the same area. Carbamate pesticides reportedly were not commonly used during the period of active operation of the DDT mixing area (Moore 1991).

3.7.2 Groundwater

Field Parameters

Table 3-3 lists the groundwater temperature, pH, and specific conductance values measured in the groundwater samples'collected from the temporary monitoring wells at Site 24. The field parameter measurements for these wells are within the reported range of values for ambient groundwater in Escambia County (Clemens et al. 1989). [pH values range from 5.9 to 6.8.] No floating or (sinking] immiscible hydrocarbons were observed in any of the wells. Appendix C presents the



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

Figure 3-4 SOIL BORING LOCATIONS WHERE PAHs OR FLUOMETURON WERE DETECTED — NAS PENSACOLA SITE 24

2400365

Table 3-3

GROUNDWATER FIELD PARAMETERS
NAS PENSACOLA SITE 24

Well Number	Temperature (°C)	pH (units)	Specific Conductance (μmhos)	Date Measurad
TW015	24	6.4	240	1-24-91
TW016	22	5.9	60	1-23-91
TWO17	24	6.0	340	1-23-91
TW018	24	6.6	480	1-24-91
Two19	21	6.8	720	1-23-91

14[NASP]UH6047:T0234/240/26

Source: Ecology and Environment, Inc., 1991.

temporary monitoring well inforaation, including field parameter and groundwater elevation data.

Analytical Screening Parameters

Table 3-4 summarizes the analytical results for the groundvater samples collected from the [five] temporary vells installed on Site 24. Figure 2-2 shows the temporary well locations at Site 24. The complete analytical screening results for the groundwater saaples are presented in Appendix E.

In general, the groundwater saaples collected from the Site 24 teaporary monitoring wells exhibited elevated concentrations of metals. However, as will be discussed in Section 3.8, the elevated metals concentrations detected may partly reflect acid preservative leaching/ dissolution of aquifer matrix sediments entrained in these unfiltered samples, rather than actual groundwater contamination. One sample only exhibited an elevated concentration of the VOC tctrachloroethene. Low levels of TRPHs were detected in two samples; trace levels of PAHs were detected in one saaple and the corresponding duplicate sample; and trace levels of the carbaaate pesticide methomyl were detected in four samples. Phenols, PCBs, and pesticides other than methomyl were not detected in any of the temporary monitoring well groundwater saaples.

Metals. [Figure 3-5 presents chromium, lead, and cadmium concentrations in groundvater samples collected across Site 24.] Chroaium (all samples), lead (all saaples), and cadmium (all but one sample) were present in the Site 24 temporary monitoring well groundwater samples at concentrations exceeding the corresponding Florida Primary Drinking Water Standards (FPDWSs) of 50 micrograms/liter (µg/L), 50 µg/L, and 10 µg/L, respectively (Chapter 17-550, Florida Administrative Code [FAC]). Zinc and copper were detected in all the groundvater samples, but only zinc was present at concentrations exceeding the Florida Secondary Drinking Water Standard (FSDWS) (in three saaples); the FSDWS for zinc is 5,000 µg/L and for copper is 1,000 µg/L (Chapter 17-550, FAC). Nickel was detected in four samples, three of which exhibited a concentration exceeding the Florida Groundwater Guidance Concentration of 150 µg/L (FDER 1989).

[Bold items enclosed in brackets denote changes to the last version of document]

Table 3-4

SUMMARY ANALYTICAL SCREENING RESULTS FOR GROUNDWATER SAMPLES
(FROM TEMPORARY MONITORING WELLS)
NAS PENSACOLA SITE 24
(All results in µg/L, unless noted)

Pacameter	[Detection Limit	Sample Number (Location) P24GW015 (TW015)	P24GW015D[a] (TW015)	P24GW016 (TW016)	P24GW017 (TW017)	P24GW018 (TW018)	P24GW019 (TW019)	[FPDWS/ FSDWS
Chcomiur	10	790	820	140	360	430	280	**50**
Zinc	20	35,000	52,000	73	50,000	880	8,000	*5,000*
Lead	40	710	2,000	130	2,600	770	190	50
Cadmium	5	120	260	--	110	36	310	10
Nickel	40	780	1,100	--	880	55	180	
Copper	25	320	630	77	860	360	140	1,000
TRPHs (mg/L)	**1**	--	**1.4**	**1.2**	--	--	--	
Tetrachloroethene	10	--	--	--	--	--	17	31
Total PAHs as Benzo-a-pyrene	100	(L)	(L)	--	--	--	--	
Methomyl	**100]**	--	--	(L)	(L)	(L)	(L)	

14[NASP]UH6047:T0234/259/5

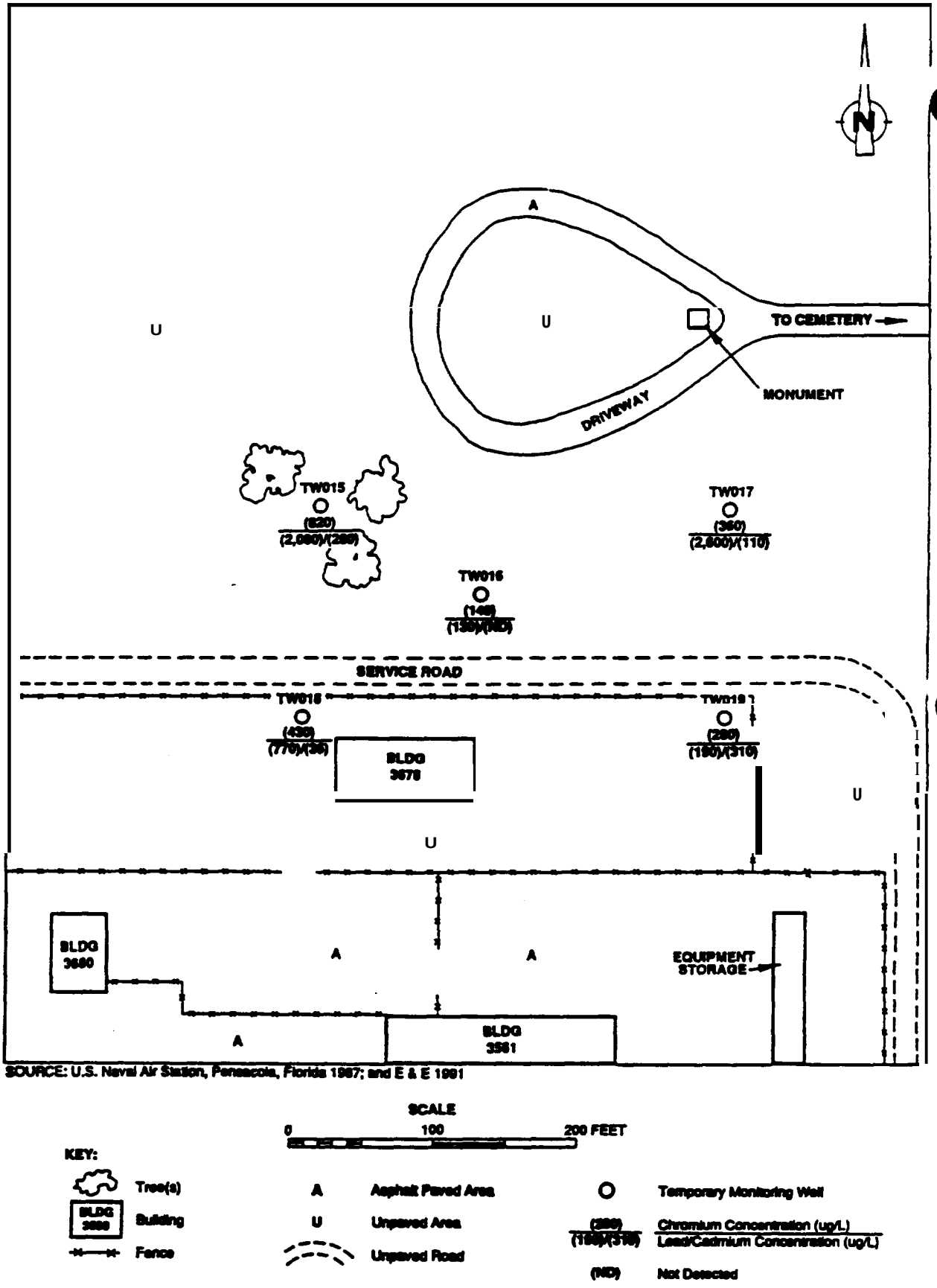
Key :

'Duplicate of sample P24GW015.

[FPDWS = Florida Primary Drinking Water Standard.
FSDWS = Florida Secondary Drinking Water Standard.]
Dash (--) indicates compound not detected.

Qualifier :

[Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

Figure 3-5 CHROMIUM, LEAD, *AND* CADMIUM CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES— NAS PENSACOLA SITE 24

2400367

The sample from temporary well TW016 exhibited both the lowest concentrations of all the metals and also the lowest measured specific conductance (see tables 3-3 and 3-4). As will be discussed in Section 3.8, this possible correlation between low metals concentrations and low specific conductance suggests that the detected occurrence of metals in the Site 24 groundwater samples may not be solely attributable to acid preservative leaching/dissolution of aquifer matrix sediments entrained in these unfiltered samples.

Figure 3-(6) shows the distribution of total metals concentrations in the groundwater samples across Site 24; it is clear that the samples from wells TW015 and TW017 contained the highest total metals concentrations. This relation holds true even if the high zinc concentrations detected in these samples (52,000 µg/L and 50,000 µg/L, respectively) and the lower zinc concentrations detected in the other three samples (73 µg/L to 8,000 µg/L) are subtracted from the groundwater total metals concentrations. Note also that the low metals concentration detected in the well TU016 sample is in agreement with the low soil metals concentrations detected in the same area (see Section 3.7.1).

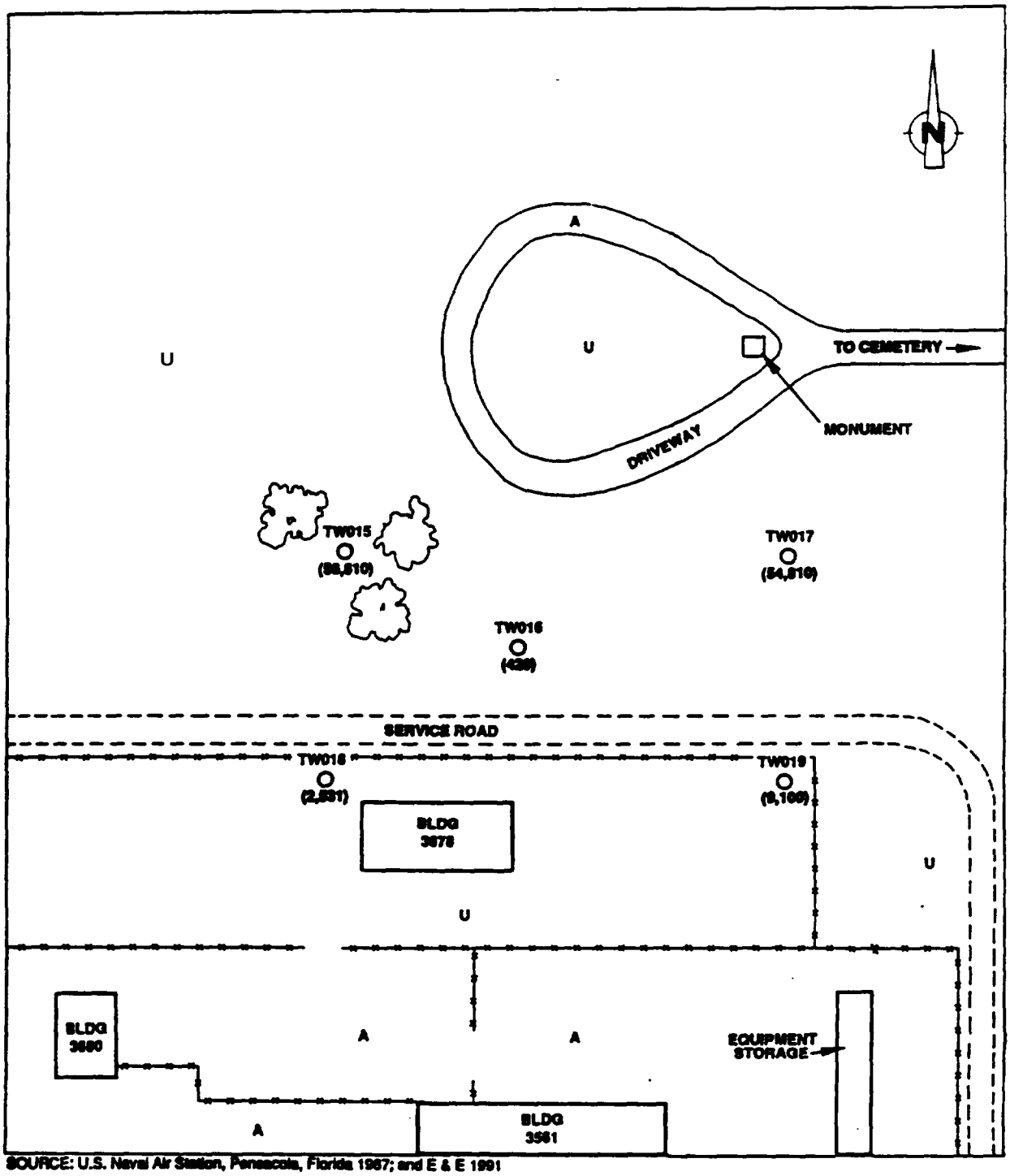
TRPHs. Low levels (1.2 mg/L to 1.4 mg/L) of TRPHs were detected in only two samples: duplicate sample GW015D and sample GW016 (see Table 3-4). Figure 3-**[7]** shows the locations of these groundwater TRPA detections.

VOCs. Tetrachloroethene was the only VOC detected, and it was only detected in one sample (GW019; see Figure 3-**[7]**). However, the detected concentration of 17 µg/L significantly exceeds the FPDWS of 3 µg/L (Chapter 17-550, PAC).

PAHs. Trace levels of PAHs were detected only in duplicate sample set GW015/GW015D (see Figure 3-**[7]**).

Pesticides. Trace levels of the carbamate pesticide methomyl were detected in all of the groundwater samples except duplicate sample set GW015/GW015D (see Figure 3-**[7]**). However, the detection limit of 100 µg

(Bold items enclosed in brackets denote changes to the last version of document]



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

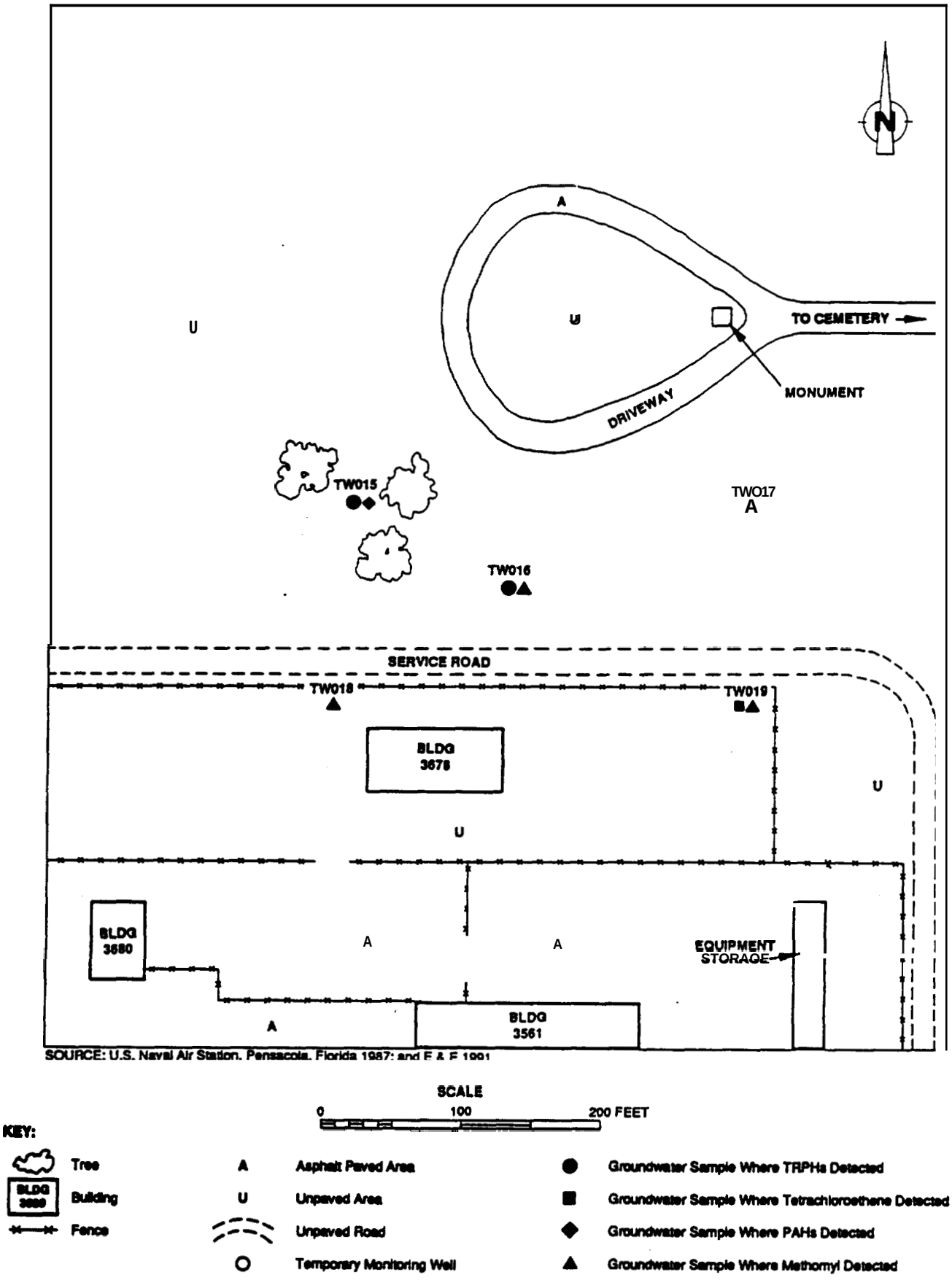
0 100 200 FEET

KEY:

	Tree(s)	A	Asphalt Paved Area		Temporary Monitoring Well
BLDG 3680	Building	U	Unpaved Area	(428)	Total Metals Concentration (ug/L)
	Fence		Unpaved Road		

Figure 3-6 TOTAL METALS CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES — NAS PENSACOLA SITE 24

2400368



SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

Figure 3-7 GROUNDWATER SAMPLES WHERE TRPHs, TETRACHLOROETHENE, PAHs, AND/OR METHOMYL WERE DETECTED — NAS PENSACOLA SITE 24

for this compound was significantly belov the Florida Groundvater Guidance Concentration of 200 µg/L (FDER 1989). No other pesticide compounds were detected in any of the groundvater samples. As noted in Section 3.7.1, carbamate pesticides reportedly were not commonly used during active operation of the DDT mixing area (Moore 1991).

3.8 CONTAMINATION DISTRIBUTION/SOURCE DISCUSSION

The two media, soil and groundvater, sampled on and in the vicinity of Site *24* exhibit at least trace levels of one or more of five of the contaminant groups (metals, TRPHs, VOCs, PAHs, and pesticides) included in the Phase I investigation. However, much of the detected contamination may not be directly related to DDT mixing and associated activities formerly conducted at Site *24.* The possibility that other, perhaps ambient, sources of contamination exist in the vicinity of Site *24* is supported by the following:

- DDT, the most probable site-related contaminant, was not detected in any of the samples;
- Very high levels of pesticide contamination of any form vere only detected in one soil sample;
- Carbamates, the only detected pesticide type, reportedly were not commonly used at the time when DDT mixing operations occurred at Site *24;*
- In the absence of detectable levels of DDT, it is difficult to uniquely attribute the detected contamination to documented site-related activities; and
- In most cases, the detected contamination was widespread across the entire site area.

In the folloving sections, *each* of the sampled media will be discussed separately regarding the nature, distribution, and potential source(s) of contamination..

3.8.1 Soil

Lead and, to a much lesser extent, other metals, TRPHs, PAHs, and the carbamate pesticide fluoaeturon were the primary soil contaminants

[Bold items enclosed in brackets denote changes to the last version of document]

2400369

detected. However, these various contaminant groups do not exhibit similar distribution patterns across the site.

Elevated concentrations of lead and TRPHs, as well as trace levels of PAHs, were widespread across the site area, suggesting the possible presence of an ambient source of contamination in the vicinity of Site 24. However, one or more of these contaminants could also be associated with spills of the fuels with which the DDT was reportedly mixed. (Although diesel fuel, which does not contain high concentrations of lead, was reportedly used most often, lead-containing aviation fuel also may have been used occasionally.) Specific areas where extremely high lead concentrations were detected (particularly the northeast and southeast corners of the site) are probably areas impacted by very local, site-specific sources, not necessarily related to former DDT mixing activities. In contrast, the highest soil TRPH concentrations were detected in the easternmost soil borings, suggesting a source of TRPH contamination immediately east of Site 24 rather than a local, site-specific source.

The carbamate pesticide fluometuron was detected in only two soil samples; in one of these samples (S013B), the detected concentration was an extremely high 20,000 µg/kg. The occurrence of fluometuron may have resulted from more recent pesticide applications associated with the planting of pine saplings north of and parallel to the service road.

3.8.2 Groundwater

Metals, tetrachloroethene (in only one sample), and the carbamate pesticide methomyl (at trace levels) were the primary groundwater contaminants detected.

All of the groundwater samples from the temporary monitoring wells exhibited lead and chromium Concentrations exceeding the FPDWSs, four samples exhibited cadmium concentrations exceeding the FPDWS, three samples exhibited zinc concentrations exceeding the FSDWS, and three samples exhibited nickel concentrations exceeding the Florida Groundwater Guidance Concentration. Some of these elevated metals concentrations probably reflect acid preservative leaching/dissolution of aquifer matrix sediments entrained in the unfiltered samples. Evidence that leaching/dissolution may be occurring has been provided by

the analytical results for metals samples collected from the existing monitoring vells on sites 1, 11, and 15 during the corresponding Phase I investigations. Groundwater samples from existing permanent wells are much less turbid than temporary well samples, exhibit much lower total (unfiltered) metals concentrations than the proximate Phase I temporary monitoring well samples, and exhibit even lower dissolved (millipore-filtered) metals concentrations.

Eovever, regarding Site 24, the presence of actual groundwater metals contamination cannot be discounted based on the following:

- o There is an apparent correlation betveen low total metals concentrations and low specific conductance (see Section 3.7.2) ;
- o Extremely high metals concentrations vere detected in several samples; and
- o At least tvo of the detected metals, zinc and copper, are common in pesticide formulations, and lead is common in aviation fuels, which could have been mixed with pesticides on site.

At the least, the analytical results indicate the presence of metals contamination of the aquifer matrix sediments.

At least three of the metals (zinc, copper, and lead) detected in the groundwater samples conceivably can be attributed to reported on-site activities. In addition, the occurrence of the highest metals concentrations (particularly zinc) in the samples from dovngradient wells TW015 and TW017 suggests a site-related source for these contaminant occurrences. Hovever, the lowest metals concentrations were detected in the sample collected from temporary well TW016, vhich was installed closest to the reported location of the DDT mixing area (see figures 1-2 and 3-5). Therefore, additional sources of metals contamination may be present in the vicinity of Site 24.

Tetrachloroethane was detected only in the groundwater sample from temporary well TW019, located in the northeast corner of the southern fenced area, at a concentration significantly above the PPDVS. The source and extent of this contaminant plume are unknown. However, assuming a north-northwest shallow groundwater flow direction (see

370

2400

[Bold items enclosed in brackets denote changes to the last version of document]

Section 3.6.2), the potential source area(s) would be located south-southeast of Site 24. It is also possible that the detected occurrence of tetrachloroethene may be related to former activities at Building 3561 (Site 8--Rifle Range Disposal Area).

Trace levels of the carbamate pesticide methomyl were detected in four of the temporary monitoring well groundwater samples. In all four samples, more precisely determined concentrations would be below the Florida Groundwater Guidance Concentration as the detection limit was below the guidance concentration. As is the case for the soil fluometuron detections, the groundwater methomyl detections may not be attributable to the former DDT mixing activities at Site 24 (methomyl reportedly was not commonly used at that time) but may be attributable to more recent on-site activities.

3.9 QA/QC

3.9.1 Field QA/QC Samples

Two soil field duplicate samples and one groundwater field duplicate sample were collected for the Site 24 screening samples. The analytical results for the duplicate samples are presented in the summary screening results tables for soil and groundwater (tables 3-2 and 3-4, respectively). The results for the soil duplicate samples (S005A and S010AD) and the groundwater duplicate sample (GW015D) were in general agreement, within acceptable limits, with the results for the original samples.

3.9.2 Laboratory QA/QC Samples

Methylene chloride is a common laboratory-derived contaminant (EPA 1988) and was present in most of the soil method blanks analyzed at the laboratory. However, methylene chloride also was found in several soil samples without being found in the method blanks associated with these samples. In these soil samples, the methylene chloride concentrations were only slightly above the detection limit for this compound; therefore, the presence of methylene chloride in the soil samples can be attributed to laboratory-derived Contamination.

[Bold items enclosed in brackets denote
changes to the last version of document]

Toluene vas detected in a number of soil samples at concentrations between 1,000 µg/kg and 1,400 µg/kg, but vas not detected in any of the associated laboratory method blanks. Given the relatively frequent occurrence, uniform detection level, and seemingly random distribution pattern of toluene in the soil samples, it is not believed that toluene represents an actual on-site contaminant. E & E's ASC analyst, after reviewing the relevant analytical rav data, suggests that these detections may represent false analytical positives associated vith the measurement process/instrumentation. Such false positives are not uncommon, but are usually eliminated by performing second column confirmation analyses on samples that exhibit positive detections on the first column runs. The Phase I analytical screening samples were not subject to second column confirmation analysis.

2400371

[Bold items enclosed in brackets **denote changes** to the **last version** of **document**]

4. CONCLUSIONS

Soil and groundwater contamination are present on and in the vicinity of Site 24. Lead, TRPHs, PAHs, and the carbamate pesticide fluometuron are the primary soil contaminants. Metals, tetrachloroethene, and the carbamate pesticide methomyl are the primary groundwater contaminants. Some of the detected contamination is probably related to former on-site activities. Eowever, additional sources of contamination, some of which may be ambient, are also apparently impacting the site. DDT, the most probable, site-related contaminant, was not detected in any of the soil or groundwater samples.

Elevated lead and TRPH concentrations, as well as low to trace PAH concentrations, were widespread across Site 24; the wide distribution suggests the presence of an ambient source of contamination in the site vicinity, although spills of the fuel with which the DDT was reportedly mixed could also account for some of the detected contamination. (Fuel spills could also account for the presence of lead, if aviation fuel were occasionally used in place of diesel fuel.) Specific areas where extremely high lead concentrations were detected (e.g., the northeast and southeast corners of the site) were probably impacted by very local, site-specific sources, not necessarily related to former DDT mixing activities. In contrast, the presence of higher TRPH concentrations in the easternmost soil boring samples suggests a TRPH contaminant source immediately east of Site 24 rather than a local, site-specific source.

The carbamate pesticide fluometuron was detected in only two soil samples, and in one sample the detected level was extremely high. The occurrence of this contaminant may reflect more recent pesticide applications associated with the planting of pine saplings in the area where the detections occurred. Carbamate pesticides reportedly were not commonly used at the time of DDT mixing activities on Site 24.

[Bold items enclosed in brackets denote changes to the last version of document]

Groundwater aetals concentrations exceeding Florida standards were widespread across Site *24.* To soae extent, the metals contamination detected probably reflects acid preservative leaching/dissolution of aquifer matrix sediments entrained in the unfiltered samples. Although this detected metals contamination cannot be uniquely linked to Site 24 activities, the analytical results indicate the potential presence of site-related groundwater metals contamination, and/or at least the presence of site-related contamination of aquifer matrix sediments.

Tetrachloroethene was detected in one sample, collected in the southeast corner of the site, at a concentration exceeding the Florida standard. The source of this contaminant may be located south-southeast of Site *24* or may be associated with former activities at Building 3561 (Site 8--Rifle Range Disposal Area).

Trace levels of the carbamate pesticide methomyl vere detected in four of the five groundwater samples, but more precisely determined concentrations vould be below the Plorida Groundwater Guidance Concentration as the detection limit vas below the guidance concentration. As is the case for occurrences of fluometuron in soils, the occurrence of methomyl in the groundwater samples may not be attributable to former DDT mixing activities at Site *24* (carbamate pesticides reportedly vere not commonly used at that time) but may be attributable to more recent on-site activities.

Additional assessment activities will be required at and in the vicinity of Site *24.*

2400372

[Bold items enclosed in brackets denote changes to the last version of document]

5. REFERENCES

Barraclough, J. T., and O. T. Harsh, 1962, Aquifers and Quality of Ground Water along the Gulf Coast of Western Florida: Florida Bureau of Geology, Report of Investigations 29.

Barraclough, J. T., 1967, Ground-water Features in Escambia and Santa Rosa Counties, Florida: Florida Geological Survey, Hap Series No. 26.

Brooks, H. K., 1981, Physiographic Divisions of Florida: Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, Gainesville, Florida.

Carlisle, V. W., 1960, Soil Survey of Escambia County, Florida: Series 1955, No. 8, U.S. Department of Agriculture, Washington, D.C.

Clemens, L., J. B. Dalton, and R. D. Fendick, 1989, Ambient Groundwater Quality in Northwest Florida: Northwest Florida Water Management District, Water Resources Special Report 87-1; Revised Edition, October, 1989.

Coe, C. J., 1979, Geology of the Plio-Pleistocene Sediments in Escambia and Santa Rosa Counties, Florida: Florida State University, Master's Thesis.

Coffin, J. E., 1982, Summary of Ground-water and Surface-water Data for City of Pensacola and Escambia County, Florida: U.S. Geological Survey Open-file Report 82-361.

Cooke, C. W., 1939, Scenery of Florida Interpreted by a Geologist: Florida Geological Survey, Bulletin No. 17.

_____, 1945, Geology of Florida: Florida Geological Survey, Bulletin No. 29.

Cooley, N. R., 1978, *An* Inventory of Estuarine Fauna in the Vicinity of Pensacola, Florida: Florida Marine Research Publications No. 31, Florida Department of Natural Resources, Marine Research Laboratory, St. Petersburg, Florida.

Driscoll, F. G., 1986, Groundwater and Wells, Second Edition: Johnson Division, St. Paul, Minnesota.

[Bold items enclosed in brackets denote changes to the last version of document]

Bcology and Environment, Inc. (E & E), 19[90]a, General Health and Safety Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida.

_____, 19[90]b, Generic Project Management Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida.

_____, 19[90]c, Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida.

_____, 19[90]d, Generic Site Management Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida.

_____, 1990, Contamination Assessment/Remedial Activities Investigation Work Plan--Group D, Naval Air Station Pensacola, Pensacola, Florida.

ERM-Southeast, Inc. (ERM), 1988, Draft Site Investigation Report NIRP Site 31 at Building 649, Naval Air Station, Pensacola, Florida.

Flood and Associates, Inc, 1978, South Escambia and Santa Rosa Counties. 201 Facilities Plan, City of Pensacola, Escambia and Santa Rosa Counties, City of Gulf Breeze, Santa Rosa Island Authority, and Santa Rosa County Beach Administration.

Florida Department of Environmental Regulation, 1988, Unpublished marine sediment data from Pensacola Bay sediment study, 1985-1987, Tallahassee, Florida.

_____, 1989, Florida Ground Water Guidance Concentrations, February 1989.

_____, 1991, Drinking Water Standards, Monitoring, and Reporting, Chapter 17-550, Florida Administrative Code.

Florida Natural Areas Inventory, 1988a, Special plants and animals list, Escambia County, Florida, Tallahassee, Florida.

_____, 1988b, Survey of Pensacola Naval Air Station and outlying Bronson Field for rare and endangered plants, Tallahassee, Florida.

Geraghty and Hiller, Inc. (G & M), 1984, Verification Study, Assessment of Potential Ground-water Pollution at Naval Air Station, Pensacola, Florida.

_____, 1986, Characterization Study, Assessment of Potential Ground-vater Pollution at Naval Air Station, Pensacola, Florida.

_____, 1987a, Quarterly Report, Corrective Action Program, Wastevater Treatment Plant, NAS Pensacola, Florida.

_____, 1987b, Lithologic Logs, NAS Pensacola Wastewater Treatment Facility, Pensacola, Florida.

_____, 1988, Semi-Annual Report, Corrective-Action and Compliance-Monitoring Programs, Surge Pond Operation Permit, Wastewater Treatment Facility, Naval Air Station, Pensacola, Florida.

Greene, K. Michael, 1989, personal communication, Navy EIC.

Heil, D. C., 1989, personal communication, Florida Department of Natural Resources, Tallahassee, Florida.

Jacob, C. E., and H. H. Cooper Jr., 1940, Report on the Ground-water Resources of the Pensacola Area in Escambia County, Florida: U.S. Geological Survey Open-File Report 400001.

Kennedy, L. R., 1982, Rainfall Summary for the Northwest Florida Water Management District: Northwest Florida Water Management District, Water Resources Special Report 82-3.

Ketchen, H. G., and R. C. Staley, 1979, A Hydrographic Survey in Pensacola Bay: Florida State University, Department of Oceanography, Tallahassee, Florida.

Lohman, S. W., 1972, Ground-Water Hydraulics: U.S. Geological Survey Professional Paper 708, Washington, D.C.

Luckenbach, M. W., R. J. Diay, and L. C. Schaffner, 1988, Scientific Consultation and Analytical Services: Benthic Assessment Procedures, Project 5, Virginia Water Control Board, Gloucester Point, Virginia.

Marsh, O. T., 1966, Geology of Escambia and Santa Rosa Counties, Western Florida Panhandle: Florida Geological Survey, Bulletin No. 46.

Moore, Bruce, 1991, personal communication, Florida Department of Environmental Regulation, Tallahassee, Florida.

Musgrove, R. H., J. T. Barraclough, and O. T. Marsh, 1961, Interim Report on the Water Resources of Escambia and Santa Rosa Counties, Florida: Florida Geological Survey, Information Circular No. 30.

Musgrove, R. H., J. T. Barraclough, and R. G. Grantham, 1965, Water Resources of Escambia and Santa Rosa Counties, Florida: Florida Geological Survey, Report of Investigations No. 40.

_____, 1966, Water Resources Records of Escambia and Santa Rosa Counties, Florida: Florida Geological Survey, Information Circular No. 50.

Naval Energy and Environmental Support Activity (NEESA), 1983, Initial Assessment Study of Naval Air Station, Pensacola, Florida, NEESA 13-015.

[Bold items enclosed in brackets denote changes to the last version of document]

National Institute for Occupational Safety and Health Association, 1985, Occupational Safety and Eealth Guidance Manual for Hazardous Waste Site Activities.

Northvest Florida Water Management District, 1981, Public Vater Supply Systems in the Coastal Areas of Escambia, Santa Rosa, Bay, Okaloosa and Valton Counties: Northvest Florida Water Management District, Vater Resources Special Report 81-3.

Pike, E., 1989, personal communication, NAS Pensacola Public Works Department.

Prickett, T. A, T. G. Naymik, and C. G. Lonnquist, 1981, A Random Walk Solute Transport Model for Selected Groundwater Quality Evaluations: Illinois State Water Survey, Bulletin No. 64.

Schropp, S. J., and H. L. Windom, 1988, A Guide to the Interpretation of Metals Concentrations in Estuarine Sediments: Florida Department of Environmental Regulation, Coastal Zone Management Section, Tallahassee, Florida.

Southeastern Geological Society (SEGS), 1986, Florida Hydrogeologic Units: Southeastern Geological Society Ad Eoc Committee on Florida Hydrostrategraphic Unit Definition (SEGS), Florida Geologic Survey, Special Publication No. 28.

Trapp, H., Jr., 1972, Availability of Ground Water for Public-Water Supply in the Pensacola Area, Florida - Interim Report, June 1971: U.S. Geological Survey, Open-File Report FL72002.

_____, 1973, Availability of Ground Water for Public-Water Supply in Central and Southern Escambia County, Florida - Interim Report, July 1973: U.S. Geological Survey, Open-Pile Report FL72029.

_____, 1975, Hydrology of the Sand-and-Gravel Aquifer in Central and Southern Escambia County, Florida - Preliminary Report - November 1973: U.S. Geological Survey, Open-File Report FL74027.

_____, 1978, Preliminary Eydrologic Budget of the Sand-and-Gravel Aquifer under Unstressed Conditions, with a Section on Water Quality Monitoring, Pensacola, Florida: U.S. Geological Survey, Vater-Resources Investigations 77-96.

U.S. Environmental Protection Agency, 1984, Standard Operating Safety Guidelines.

_____, 1985, Guidance on Remedial Investigations under CERCLA: EPA, OSWER, HWERL; EPA Report #540/6-85/002; NTIS Ref. tPB-85-268616; OSWER Directive 9355.0-068, U.S. BPA, Cincinnati, Ohio.

_____, 1985, Guidance on Feasibility Studies under CERCLA: EPA, OSWER, OWPE, EPA Report #540/G-85/003; NTIS Ref. #PB-85-238-590; OSWER Directive 9355.0-05c, U.S. EPA, Washington, D.C.

[Bald items enclosed in brackets denote changes to the last version of document)

_____, 1987, Data Quality Objectives for Remedial Response Activities: OSWER Directive 9335.0-7B, U.S. EPA, Washington D.C.

_____, 1987, Compendium of Superfund Field Operations Methods: OSWER Directive 9355.0-14, EPA/540/P-87/00/a, U.S. EPA, Washington, D.C.

_____, 1988. CERCLA Compliance with Other Laws Manual; Draft: OSWER Directive 9234.1-01, U.S. EPA, Washington, D.C.

_____, 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA; Draft: OSWER Directive 9355.3-01, OERR # 68-01-7090 and 68-W8-0098, U.S. EPA, Washington, D.C.

U.S. Fish and Wildlife Service (USFWS), 1987, Long Range Fish and Wildlife Section, Naval Air Station Pensacola and Outlying Bronson Field, Pensacola, Florida. USFWS Field Office, Panama City, Florida.

U.S. Geological Survey, 1970a, 7-1/2 Minute Topographic Map, Fort Barrancas, Florida, Quadrangle.

_____, 1970b, 7-1/2 Minute Topographic Map, West Pensacola, Florida, Quadrangle, Photorevised 1987.

U.S. Navy, 1986, U.S. Navy Gulf Coast Strategic Homeporting Environmental Impact Statement, Appendix IV, Pensacola, Florida: Southern Division, Naval Facilities Engineering Command, Charleston, South Carolina.

_____, 1987, General Development Map Nos. 1276829 to 1276839. U.S. Naval Air Station, Pensacola, Florida: Southern Division Naval Facilities Engineering Command, Charleston, South Carolina.

Wagner, J. R., 1982, Hydrogeology of the Northwest Florida Water Management District: in Ground Water in Florida - Proceedings of the First Annual Symposium on Florida Eydrogeology: Northwest Florida Water Management District, Public Information Bulletin No. 82-2.

_____, 1989, Hydrogeologic Framework of the Northwest Florida Water Management District.

Wagner, J. R., T. W. Allen, L. A. Clemens, and J. B. Dalton, 1984, Ambient Ground Water Monitoring Program - Phase 1: Northwest Florida Water Management District, DER Contract No. WM65.

Walton, W. C., 1970, Ground Water Resource Evaluation: McGraw-Hill Book Co., New York.

Water and Air Research, Inc. (WAR), 1986, Report of Collection and Analyses of Sediment, Water, and Elutriate Samples for Navy Gulf Coast Strategic Homeporting Project, Pensacola, Florida.

[Bold items enclosed in brackets denote changes to the last version of document]

Uilkins, K. T., J. R. Wagner, and T. W. Allen, 1985, Hydrogeologic Data for the Sand-and-Gravel Aquifer in Southern Escambia County, Florida: Northvest Florida Water Management District, Technical File Report No. 85-2.

Wolfe, S. H., J. A. Reidenauer, and D. B. Means, 1988, An Ecological Characterization of the Florida Panhandle: U.S. Fish and Wildlife Service Biological Report No. 88(12), Minerals Management Service, OCS Study\MMS 88-0063.

[Bold items enclosed in brackets denote changes to the last version of document]

6. FLORIDA PROFESSIONAL GEOLOGIST SEAL

I hereby affix my seal to the Interim Data Report for the DDT Mixing Area (Site 24) located at the Naval Air Station in Pensacola, Escambia County, Florida, in accordance with Chapter 492 of the Florida Statutes and applicable rules and regulations developed pursuant thereto:

Name:	Barry R. Levine
License Number:	P.G. No. 259
State:	Florida
Expiration Date:	July 31, 1992

Barry R. Levine

Barry R. Levine

10-10-91

Date

[Bold items enclosed in brackets denote *changes* to the last version of document]

DISTRIBUTION

SOUTH NAVFACENGCOM--SUZANNE SANBORN (2)

NAS PBNSACOLA--RON JOYNER (6)

FDER--ERIC NUZIE (2)

EPA--ALLISON DREW (4)

TRC MEMBERS (7)

APPENDIX A

BIRDS OBSERVED DURING HABITAT/BIOTA SURVEY

Table A-1

BIRDS OBSERVED DURING HABITAT/BIOTA SURVEY
OCTOBER 1990

Mature pine forest, including grassy margins along dirt roads and thickets bordering forests.

Gray Catbird	Dumetella carolinensis
Rufous-sided Towhee	Pipilo erythrophthalmus
Yellow-throated Vireo	Vireo flavifrons
House Wren	Troglodytes aedon
Bluejay	Cyanocitta cristata
Eastern Phoebe	Sayornis phoebe
Mourning Dove	Zenaida macroura
Common Grackle	Quiscalus quiscula
White-eyed Vireo	Vireo griseus
Northern Mockingbird	Mimus polyglottos
Cardinal	Cardinalis cardinalis
Carolina Wren	Thryothorus ludovi
Boat-tailed Grackle	us maj
Brown Thrasher	Toxostoma rufum

Upland mature hardwood forest vith some mix of pines.

Prairie Warbler	Dendroica discolor
Northern Mockingbird	Mimus polyglottos
Mississippi Kite	Ictinia s
Red-tailed Hawk	Buteo jamaicensis
Mourning Dove	Zenaida macroura
Ovenbird	Seiurus aurocapillus
Tufted Titmouse	Parus bicolor
Carolina Chickadee	Parus carolinensis
Golden Crowned Kinglet	Regulus satrapa
Ruby Crowned Kinglet	Regulus calendula
Nashville Warbler	Vermivora ruficapilla
Bluejay	Cyanocitta cristata

Beachfront, including shoreline along waterfront apron; Pensacola Bay open water; Bayou Grande open water; shoreline along dredge spoil fill area; interior mudflats of dredge spoil fill area; and primary dune/scrubby areas of beach.

Forester's Tern	Sterna porstcri
Herring Gull	Larus argentatus
Semi-palmated Plover	Charadrius semipalmatus
Creat Blue Heron	Ardea herodias
Semi-palmated Sandpiper	Calidris pusilla
Villet	Catoptrophorus semipalmatus
Ruddy Turnstone	Arenaria interpres
Royal Tern	Sterna maxima
Sandwich Tern	Sterna sandircensis
Roseate Tern	Sterna dougallii
Common Tern	Sterna hirundo
Brown Pelican	Pelecanus occidcntalis
Killdeer	Charadrius vociferus
Chipping Sparrow	Spizella passerina
Eastern Wood Pewee	Contopus borealis
Bluejay	Cyanocitta cristata
Osprey	Pandion haliaetus
Belted Kingfisher	Ceryle alcyon
Fish Crow	Corvus ossifragus
Mourning Dove	Zenaida macroura
Double Crested Cormorant	Phalacrocorax auritus
Northern Mockingbird	Mimus polyglottos
Sanderling	Calidris alba
Least Sandpiper	Calidris minutilla
Little Blue Heron	Egretta caerulea
Short-billed Dowitcher	Limnodromus griseus
Laughing Gull	Larus atricilla
Black-bellied Plover	Pluvialis squatarola
Tree Svallow	Tachycineta bicolor
Acadian Flycatcher	Empidonax virescens
House Vren	Troglodytes aedon

Marshland, including emergent vegetation found along Bayou Grande, Pensacola Bay, and brackish-water ponds.

Pied-billed Grebe	Podilymbus podiceps
Great Blue Eeron	Ardea herodias
Great Egret	us albus
Snowy Egret	Egretta thula
Little Blue Eeron	Egretta caerulea
Tricolored Eeron	Egretta tricolor
Green-vinged Teal	Anas crecea
Hottled Duck	Anas fulvigula
Blue-winged Teal	Anas discors
Northern Shoveler	Anas clypeata
Lesser Scaup	Aythya affinis
American Coot	Fulica americana
Hourning Dove	Zenaida macroura
Northern Flicker	Colaptes auratus
Bluejay	Cyanocitta cristata
Red-winged Blackbird	Agelaius phoeniceus
Belted Kingfisher	Ceryle alcyon
Rufous-sided Towhee	Pipilo erythrophthalmus
Cardinal	Cardinalis cardinalis
Yellowthroat	Geothlypis trichas
Forester's Tern	Sterna forsteri
Osprey	Pandion haliaetus
House Wren	Troglodytes aedon
Yellow-rumped Warbler	Dendroica coronata
Northern Mockingbird	Mimus polyglottos

Forested wetland area, including mature hardwoods and thick undergrowth mixed with emergent vegetation *such* as cattails.

Yellow-bellied Sapsucker	Sphyrapicus varius
Brown Thrasher	Toxostoma rufum
Marsh Wren	Cistothorus palustris
American Goldfinch	Carduelis tristis
Prairie Warbler	Dendroica discolor
Northern Flicker	Colaptes auratus
Cardinal	Cardinalis cardinalis
Bluejay	Cyanocitta cristata
Northern Mockingbird	Mimus polyglottos
Wood Thrush	Hylocichla austelina

14[NASP]UH6047:T0234/tab-A1/307

2400381

APPENDIX B

SURFACE EMISSIONS, MAGNETOMETER, AND METAL DETECTOR DATA

SITE 24

GRID COORDINATES	OVA (ppm)	METAL DETECTOR (yes/no)	MAGNOTOMETER (gammas)
NO. 5E0	0	N	50220.2
NO. 5E0.5	0	N	50199.2
NO. 5E1	0	N	49823
N0.5E1.5	0	N	50063
N0.5E2	0	N	49834
NO. 5E2.5	0	N	49906.7
NO. 5E3	0	N	50063.5
N0.5E3.5	0	N	49816
NO. 5E4	0	N	50000.0
NO. 5E4.5	0	N	49167
NO. 5E5	0	N	50032.8
NOE.5	0	Y	50180
NOE0	0	N	49809.1
NOEl	0	Y	50077.1
NOE1.5	0	N	51013
NOE2	0	N	52087
NOE2.5	0	N	50386
NOE3	0	N	50681
NOE3.5	0	N	50453
NOE4	0	N	49985.8
NOE4.3	0	N	18815
NOE5	0	N	50080.2
N1.5E0	0	N	49417
N1.5E0.5	0	N	49555
N1.5E1	0	N	49969
N1.5E1.5	0	N	50840
N1.5E2	0	N	49858
N1.5E2.5	0	N	49644
N1.5E3	0	E	49266
N1.5E3.5	0	N	49575
N1.5E4	0	N	49478
N1.5E4.5	0	N	50146
N1.5E5	0	N	50227
N1E0	0	N	50167.4
N1E0.5	0	N	49977.7
N1E1	0	N	46471
XlE1.5	0	N	51200
N1E2	0	N	52076
N1E2.5	0	N	50244.5
N1E3	0	N	19678
N1E3.5	0	N	50080
N1E4	0	N	50448.9
N1E4.5	0	N	50041.2
N1E5	0	N	49659
N2.5E0	0	N	50402.4
N2.5E0.5	0	N	50364.5
N2.5E1	0	N	50354.4
N2.5E1.5	0	N	50392.5
N2.5E2	0	N	50375

SITE 24

GRID COORDINATES	OVA (ppm)	METAL DETECTOR (yes/no)	MAGNOTOMETER (gammas)
N2.5E2.5	0	N	50371.4
N2.5E3	0	N	50241
N2.SE3.5	0	N	50163.2
N2.5E4	0	N	50238.6
N2.5E4.5	0	N	50293.?
N2.SE5	0	N	50326.6
N2E0	0	N	50383
N2E1	0	N	50365.5
N2E1.5	0	N	50378.1
N2E2	0	N	50323.5
N2E2.5	0	N	50221.6
N2E3	0	N	50213.2
N2E3.5	0	N	50249.2
N2E4	0	N	50333
N2E4 .5	0	N	50221.2
N2E5	0	N	50304.2
N2W0.5	0	N	50590
N3.5E0	0	N	50209.8
N3. 5E0.5	0	N	50154.7
N3.5E1	0	N	50056.3
N3.5E1.5	0	N	50096.7
N3.5E2	0	N	50187.4
N3.5E2.5	0	N	50271.7
N3.5E3	0	N	90228.2
N3.5E3.5	0	N	50213.1
N3 .5E4	0	N	50194.5
N3.5E4.5	0	N	50214.9
N3.5E5	0	N	50213.8
N3E0	0	N	49840
N3E0.5	0	N	50182.7
N3E1	0	N	50420
N3E1.5	0	N	50368.3
N3E2	0	N	50396.7
N3E2.5	0	N	50188
N3E3	0	N	50171.5
N3E3.5	0	N	50180.2
N3E4	0	N	50383.1
N3E4.5	0	N	50461.1
N3E5	0	N	50510.7
N4 .5E0	0	N	50283.8
N4.5E0.5	0	N	50272.1
N4.5E1	0	N	50285
N4.5E1.5	0	N	50272.9
N4.5E2	0	N	50287.1
N4.5E2.5	0	N	50281.3
N4.5E3	0	N	50278.7
N4.5E3.5	0	N	50295.2
N4.35E4	0	N	50277.9
N4.5E4.5	0	N	50294

2400384

recycled paper
ecology and environment

SITE 24

GRID COORDINATES	OVA (ppm)	METAL DETECTOR (yes/no)	MAGNOTOMETER (gammas)
N4.5E5	0	N	50268.9
N4E0	0	N	50272.9
N4E0.5	0	N	50264.7
N4E1	0	N	50260.8
N4E1.5	0	N	50252.2
N4E2	0	N	50238.6
N4E2.5	0	N	50238.3
N4E3	0	N	50252.3
N4E3.5	0	N	50309
N4E4	0	N	50294.1
N4E4.5	0	N	50169.2
N4E5	0	N	50480
N5.5E0	0	N	50308.1
N5.5E0.5	0	N	50303.2
N5.5E1	0	N	50301.4
N5.5E1.5	0	N	50298.1
N5.5E2	0	N	50289.8
N5.5E2.5	0	N	50315
N5.5E3	0	N	50304.2
N5.5E3.5	0	N	50296
N5.5E4	0	N	50297.5
N5.5E4.5	0	N	50293.7
N5.5E5	0	N	50299.4
N5E0	0	N	50298
N5E0.5	0	N	30294.3
N5E1	0	N	50293.3
N5E1.5	0	N	50290.8
N5E2	0	N	50291.9
N5E2.5	0	N	50290.4
N5E3	0	N	50292.4
N5E3.5	0	N	30291.6
N5E4	0	N	50318.7
N5E4.5	0	N	50293
N5E5	0	N	50298.1
N6E0	0	N	50325
N6E0.5	0	N	50313.7
N6E1	0	N	30300.3
N6E1.5	0	N	30299.2
N6E2	0	N	50306.8
N6E2.5	0	N	50296.8
N6E3	0	N	50303.5
N6E3.5	0	N	50301.5
N6E4	0	N	50301.7
N6E4.5	0	N	50302.6
N6E5	0	N	50293

APPENDIX C

TEMPORARY MONITORING WELL, SOIL BORING, AND LITHOLOGIC INFORMATION

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 24
2) Boring no./Well no.: P24B001
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to vater in borehole (BLS): 11.0
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox, height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium to coarse grained, iron oxide sand at 3.5 ft
4-9	Sand, tan to dark brown, fine to medium grained, tightly compacted.
9-14	Sand, tan intermixed with white, medium to coarse grained, moderate amount of rose quartz <10%.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B002
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grrcu
7) Depth of boring (BLS): 12.0
8) Depth to vater in borehole (BLS): 11.9
9) Highest open-borehole OVA/HnU reading (ppm): 4
10) Depth of vell (BLS): NA
11) Length of vell screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in vell (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundvater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium grained.
4-9	Sand, light tan to gray, medium grained,
9-12	Sand, white coarse grained, zircon intermixed throughout interval.

Notes: All depths, lengths, heights, and clcvations are measured in feet. All boreholes are 4 inches in diameter. All vell casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in vell installation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

2400388

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B003
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): *14.0*
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to dark brown, medium grained, minor amount of quartz, <10%.
4-9	Sand, light tan, medium grained, minor amount of charcoal chips intermixed, <10%.
9-12	Sand, light tan to dark brown, medium grained.
12-14	Sand, white, coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B004
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Crecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): 13.9
9) Highest open-borehole OVA/HnU reading (ppm): 80
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to light brown, medium grained.
4-9	Sand, light tan, medium grained.
9-14	Sand, light tan to white, medium to coarse grained, minor amount of rose quartz, <10%.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

2400389

SOIL BORING/TEMPORARY MONITORING WELL INPOWTION

1) Site no.: 24
2) Boring no./Well no.: P24B005
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 13.0
8) Depth to water in borehole (BLS): 12.8
9) Highest open-borehole OVA/HnU reading (ppm): 2
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium grained.
4-9	Sand, light tan intermixed with dark brown, medium grained.
9-10.5	Sand, light tan , medium grained.
10.5-12.8	Sand, white, coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B006
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 16.0
8) Depth to water in borehole (BLS): 16.0
9) Highest open-borehole OVA/HnU reading (ppm): 2
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to vater in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to yellov, fine to medium grained.
4-9	Sand, light tan to light brown, medium grained, minor amount of shell lag, <10%.
9-11	Sand, light tan, medium grained.
11-13	Sand, dark brown, fine to medium grained.
13-14	Silty sand, dark brown.
14-16	Sand, dark brovn to black, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inche . No annular material (i.e. filter pack, seal or grout) was use8 in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

2400350

SOIL BORING/TEMPORARY MONITORING YELL INPOWTION

1) Site no.: 24
2) Boring no./Well no.: P24B007
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 13.0
8) Depth to water in borehole (BLS): 13.0
9) Highest open-borehole OVA/HnU reading (ppm): 175
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, orange, medium to coarse grained, tightly compacted.
4-9	Sand, light tan to dark brown, medium to coarse grained, minor amount of wood chips.
9-13	Sand, dark brown to light gray, medium grained, large amount of oxidized metals at 13 ft.. At 13 ft. sand, orange.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B008
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to vater in borehole (BLS): 14.0
9) Highest open-borehole OVA/HnU reading (ppm): 2
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundvater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, yellow to light tan, medium grained.
4-9	Sand, light yellow to white, medium grained
9-14	Sand, dark brown, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

2400391

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B009
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): 13.5
9) Highest open-borehole OVA/HnU reading (ppm): 2
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREEOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, brown to light tan, medium grained. At 3.7 ft., sand becomes coarse grained (fill material).
4-9	Sand, light tan to light brown, medium to coarse grained.
9-14	Sand, light tan to grayish white, medium to coarse grained, speckled throughout interval is zircon or tourmaline.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B010
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): 12.8
9) Highest open-borehole OVA/HnU reading (ppm): 7
10) Depth of well (BLS): NA
11) Length of vell screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundvater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium grained.
4-9	Sand, light tan to white, medium grained. At 7 ft., sand becomes red intermixed with light tan, medium grained.
9-14	Sand, light tan to darl brown, medium grained. Large amount of quartz, >50%.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was vved in well installation. Unless otherwise noted, all rand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA =hand auger

BLS = klov land surface
TOC = top of casing
BTOC = below top of casing

2400392

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B011
3) Drilling firm: Thonason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 13.5
8) Depth to water in borehole (BLS): 13.0
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, dark brown, medium grained. At 4 ft. sand becomes yellow, medium grained.
4-9	Sand, white, fine grained, speckled throughout interval with tourmaline.
9-13.5	Sand, dark brown to black, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B012
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): 11.9
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium to coarse grained.
4-9	Sand, light tan, medium to coarse grained,
9-14	Sand, light tan to grayish white, medium to coarse grained, speckled throughout vith zircon, tourmaline, or biotite.

Notes: All depths, lengtbs, bcights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was wed in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

2400393

SOIL BORING/TEMPORARY HONITORING WELL INFORHATION

1) Site no.: 24
2) Boring no./Well no.: P24B013
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: H. Grecu
7) Depth of boring (BLS): 14.0
8) Depth to water in borehole (BLS): 13.0
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Vater level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium grained.
4-9	Sand, light tan, medium grained, minor amount of rose quartz, <5%.
9-14	Sand, dark brown, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B014
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/21/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 15.0
8) Depth to water in borehole (BLS): 15.0
9) Highest open-borehole OVA/HnU reading (ppm): 4
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Aprox. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method:
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan, medium grained.
4-9	Sand, light tan to white, medium to coarse grained.
9-12	Sand, gray to white, medium to coarse grained, very silty at 14 ft. (not clay).

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) v u used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

2400394

SOIL BORING/TEMPORARY MONITORING VELL INFORXATION

1) Site no.: 24
2) Boring no./Well no.: P24B015/P24TW015
3) Drilling firm: Thamoson Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/23/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 18.0
8) Depth to water in borehole (BLS): 11.8
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): 16.1
11) Length of well screen: 5
12) Length of casing (BLS): 11.10
13) Aprox. height of casing above land surface: 3.90
14) Depth to water in well (BTOC): 14.49
15) Elevation of TOC: 29.27
16) Water level elevation: 14.78
17) Date groundwater sampled: 01/24/91
18) pH (units): 6.40
19) Temperature (degrees C): 24.0
20) Specific conductance (umhos/cm): 240
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 86 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-2	Sand, tan, medium grained.
2-3.5	Sand, tan to red, medium grained.
3.5-5	Sand, tan to red, medium grained
5-10	Sand, brown to tan, medium grained.
10-11.8	Sand, brown to tan, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-dim ter; well screen slot sizes are .010 inches. No annular materia! (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B016/P24TW016
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/23/91
6) Geologist: M. Grccu
7) Depth of boring (BLS): 12.8
8) Depth to water in borehole (BLS): 12.4
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): 15.9
11) Length of vell screen: 5
12) Length of casing (BLS): 10.91
13) Aprox. height of casing above land surface: 4.09
14) Depth to vatcr in vell (BTOC): 16.23
15) Elevation of TOC: 30.77
16) Water level elevation: 14.54
17) Date groundwater sampled: 01/23/91
18) pH (units): 5.90
19) Temperature (degrees C): 22.0
20) Specific conductance (umhos/cm): 80
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspace at top of casing 7.0 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to yellov, medium grained
4-6	Sand, light tan to yellov, medium grained.
6-9	Sand, dark brown, medium grained.
9-12.8	Sand, light tan to dark brown, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; vell screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas vved in vell installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

2400395

SOIL BORING/TEMPORARY MONITORING VELL INFORHATION

1) Site no.: 24
2) Boring no./Well no.: P24B017/P24TW017
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/23/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 17.0
8) Depth to water in borehole (BLS): 10.5
9) Highest open-borehole OVA/HnU reading (ppm): 60
10) Depth of well (BLS): 15.8
11) Length of well screen: 5
12) Length of casing (BLS): 10.80
13) Aprox. height of casing above land surface: 4.20
14) Depth to water in well (BTOC): 15.85
15) Elevation of TOC: 30.30
16) Water level elevation: 14.45
17) Date groundwater sampled: 01/23/91
18) pH (units): 6.00
19) Temperature (degrees C): 24.0
20) Specific conductance (umhos/cm): 340
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 25 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-2	Sand, red, medium grained.
2-5	Sand, tan, medium grained.
5-10	Sand, gray to black, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-Inch-diameter; well screen slot sixes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B018/P24TW018
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/23/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 16.5
8) Depth to water in borehole (BLS): 16.5
9) Highest open-borehole OVA/HnU reading (ppm): 8
10) Depth of well (BLS): 16.6
11) Length of well screen: 5
12) Length of casing (BLS): 11.62
13) Aprox. height of casing above land surface: 3.38
14) Depth to water in well (BTOC): 16.62
15) Elevation of TOC: 31.10
16) Water level elevation: 14.48
17) Date groundvater sampled: 01/24/91.
18) pH (units): 6.60
19) Temperature (degrees C): 24.0
20) Specific conductance (umhos/cm): 480
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspsce at top of casing 4 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, dark brown, medium grained, large pebbles (1 inch diameter) at 2.5 ft. interval.
4-8	Sand, dark brown, medium grained.
8-9	Sand, yellow, medium grained.
9-14	Sand, dark brown intermixed with grayish to white, medium to coarse grained.
14-16.5	Sand, dark gray, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

2400396

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 24
2) Boring no./Well no.: P24B019/P24TW019
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/23/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 17.0
8) Depth to water in borehole (BLS): 12.0
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): 16.0
11) Length of well screen: 5
12) Length of casing (BLS): 10.97
13) Aprox. height of casing above land surface: 4.03
14) Depth to water in well (BTOC): 15.84
15) Elevation of TOC: 30.70
16) Water level elevation: 14.86
17) Date groundwater sampled: 01/23/91
18) pH (units): 6.80
19) Temperature (degrees C): 21.0
20) Specific conductance (umhos/cm): 720
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 3 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, yellow, medium grained.
5-10	Sand, white, medium grained.
10-12	Sand, gray, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

APPENDIX D

SOIL SAMPLING
ANALYTICAL SCREENING RBSULTS

ecology and environment, **inc.**

QUALITY ASSURANCE PROTOCOL REVIEW

Job No.: _____ Date: _____

Report Title: _____

Client: _____

Laboratory Data Review	Supervisor	Date
Metals		
Gen. Chem.		
GC		
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written by:		
1st Draft Reviewed by:		
2nd Draft Reviewed by: (If		
Final Review by Author:		
ASC Manager:		
QA Officer:		
Corp. Project Manager: (Internal Job)		
All QA Protocol Review Forms Signed and in file (to be signed by report writer)		
___ Copies of Report Sent to:		
___ Invoices Sent to Accounting		

Comments/Notes: _____

Copy Distribution: White - Report to Project file; Canary - Project Manager; Pink - Project File.

407064

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL **REVIEW**

Job No.: [illegible] Date: [illegible]

Report Title: [illegible]

Client: [illegible]

Laboratory Data Review	Supervisor	Date
Metals	[illegible]	[illegible]
Gen. Chem.	[illegible]	[illegible]
GC		
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written by:	[illegible]	[illegible]
1st Draft Reviewed by: [illegible]	[illegible]	[illegible]
2nd Draft Reviewed by: (If needed)		
Final Review by Author:	[illegible]	[illegible]
ASC Manager:	[illegible]	[illegible]
QA Officer:		
Corp. Project Manager: (Internal Job) [illegible]		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
____ Copies of Report Sent to: [illegible]	[illegible]	[illegible]
____ Invoices Sent to Accounting	[illegible]	[illegible]

Comments/Notes: ALL COMMENTS [illegible] LIST PLEASE

Copy Distribution: White - Report to Project File; Canary - Project Manager; Pink - Project File.

407064

2400400

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

Job No.: _____ Date: _____

Report Title: _____

Client: _____

Laboratory Data Review	Supervisor	Date
Metals		
Gen. Chem.		
GC		
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written by:		
1st haft Reviewed by:		
2nd Draft Reviewed by: (If needed)		
Final Review by Author:		
ASC Manager:		
QA Officer:		
Corp. Project Manager: (Internal Job)		
All QA Protocol Review Forms Signed and in File (to bo signed by report writer)		
____ Copies of Report Sent to:		
____ Invoices Sent to Accounting		

Comments/Notes: _____

Copy Distribution: Mite - Report to Project fila; Canary - Project Manager; Pink - Project File.

407064

H E H O R A N D U H

TO: John Barksdale

FROM: Gary Hahn

DATE: February 18, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.164

CC: Lab File

Attached is the laboratory report of the analysis conducted on twenty-one samples received at the Analytical Services Center on January 22, 1991. Analysis was performed according to the screening procedures set forth in "Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida," July 1990.

All samples on which this report is based will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

GH: tms
enclosure

2400401

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Eahn

DATE: February 19, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.172

CC: Lab File

Attached is the laboratory report of the analysis conducted on twenty-four samples received at the Analytical Services Center on January 23, 1991. Analysis was performed according to the screening procedures set forth in "Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida," July 1990.

All samples on which this report is based will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

GH:tms
enclosure

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Hahn

DATE: February 27, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.183

CC: Lab File

Attached is the laboratory report of the analysis conducted on fourteen samples received at the Analytical Services Center on January 24, 1991. Analysis was performed according to the screening procedures ret forth in "Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida," July 1990.

All samples on which this report is based will be retained by E & B for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for *each* sample, vith such charges accruing until destruction of the samples is authorized by the client.

GH:tms
enclosure

2400402

Job # 9100.164
Sample Range 1514 → 1534

ANALYZE ALL PARAMETERS AS REQUIRED by SITE SPECIFIC QAPP (SEE BARB KRAJEWSKI)

ecology and environment, inc.
300 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: UH6044
Project Name: NASP PHASE I A-E
Project Manager: JOHN BARKSDALE
Samplers: (Signatures) Mike Shaw, Greg Halford
Field Team Leader: MIKE CRECU

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING VOC	SCREENING CARBAMATES	SCREENING ORGANO-PHOSPHORUS PEST.	SCREENING TOTAL PCB'S	SCREENING PESTICIDES	SCREENING TRPH (418.1)	SCREENING METALS	SCREENING PAH	REMARKS
P24	S001A	1/21	1052	X			Low Level	BORING 001A	3	X	X	X	X	X	X	X	X	
P24	S001B	1/21	1052	X			" "	BORING 001B	3	X	X	X	X	X	X	X	X	VOA: LOT# B0207033
P24	S001C	1/21	1052	X			" "	BORING 001C	3	X	X	X	X	X	X	X	X	QC# B1219C
P24	S004A	1/21	1130	X			" "	BORING 004A	3	X	X	X	X	X	X	X	X	
P24	S004B	1/21	1130	X			" "	BORING 004B	3	X	X	X	X	X	X	X	X	Sg: LOT# X0331013
P24	S004C	1/21	1130	X			" "	BORING 004C	3	X	X	X	X	X	X	X	X	QC# X0942C
P24	S009A	1/21	1200	X			" "	BORING 009A	3	X	X	X	X	X	X	X	X	
P24	S009B	1/21	1200	X			" "	BORING 009B	3	X	X	X	X	X	X	X	X	
P24	S009C	1/21	1200	X			" "	BORING 009C	3	X	X	X	X	X	X	X	X	
P24	S007A	1/21	1235	X			" "	BORING 007A	3	X	X	X	X	X	X	X	X	
P24	S007B	1/21	1235	X			" "	BORING 007B	3	X	X	X	X	X	X	X	X	
P24	S007C	1/21	1235	X			" "	BORING 007C	3	X	X	X	X	X	X	X	X	
~~P24~~																		

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Ship Via
Mike Crecu	1/21/91 1600	Fed Ex				Federal EXPRESS
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	BL/Airbill Number: 9257993765
Relinquished By: (Signature) Fed Ex	Date/Time 0930 1-22-91	Received For Laboratory By (Signature)	Relinquished By: (Signature)	Date/Time	Received For Laboratory By (Signature)	Date 1/21/91

...tion: Original Accompanies Shipment; Copy to Coordinator Field Files
...NTRATION RANGE on back of form.

234055

2400403

Job # 7100.164
Sample Range P24 → 1534

ANALYZE ALL PARAMETERS AS REQUIRED BY SITE SPECIFIC QA (See BARB KRAJEWSKI)

ecology and environment, inc.

338 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: UH6044
Project Name: WASP PHASE I A-E
Project Manager: JOHN BARKSDALE
Samplers: (Signatures) Mike Grecu, Doug Halfpenny
Field Team Leader: MIKE GRECU

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING VOC	SCREENING CARBONATES	SCREENING ORGANO PHOSPHORUS	SCREENING TOTAL PCB'S	SCREENING PESTICIDES	SCREENING PCB'S (HIB.)	SCREENING METALS	SCREENING PAH'S	REMARKS
P24	S012A	1/21	1513	X			Low Level	BORING 12A	3	X	X	X	X	X	X	X	X	
P24	S012B	1/21	1513	X			" "	BORING 12B	3	X	X	X	X	X	X	X	X	VOA: Lot# B0207033
P24	S012C	1/21	1513	X			" "	BORING 12C	3	X	X	X	X	X	X	X	X	QC# B1219C
P24	S013A	1/21	1541	X			" "	BORING 13A	3	X	X	X	X	X	X	X	X	
P24	S013B	1/21	1541	X			" "	BORING 13B	3	X	X	X	X	X	X	X	X	Lot# X0331013
P24	S013C	1/21	1541	X			" "	BORING 13C	3	X	X	X	X	X	X	X	X	QC# X0942C
P24	S014A	1/21	1607	X			" "	BORING 14A	3	X	X	X	X	X	X	X	X	
P24	S014B	1/21	1607	X			" "	BORING 14B	3	X	X	X	X	X	X	X	X	
P24	S014C	1/21	1607	X			" "	BORING 14C	3	X	X	X	X	X	X	X	X	

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Ship Via
Mike Grecu	1/21/91 1605	Fed Ex				FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	BL/Airbill Number: 9257993765 — Date: 1/21/91
Received By: (Signature) Fed Ex	Date/Time: 0930 1-22-91	Received For Laboratory By (Signature)	Relinquished By: (Signature)	Date/Time	Received For Laboratory By (Signature)	

Original Accompanies Shipment; Copy to Coordinator Field Files
STATION RANGE on back of form

214055

Job # 9100.172
SAMPLE RANGE 1571 - 1594

ANALYZE ALL PARAMETERS AS Required by SITE SPECIFIC QAPP (SEE BARB KRASEWSKI)

ecology and environment, inc.
388 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: 11H6044
Project Name: NASP PHASE I A-E
Project Manager: JOHN BARKSDALE
Samplers: (Signatures) Mike Grecu, Greg Halford
Field Team Leader: MIKE GRECU

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING PAH'S	SCREENING CARBAMATES	SCREENING ORGANO PHOS PHORUS PEST.	SCREENING PCB'S PESTICIDES	SCREENING TOTAL PCB'S	SCREENING TRPH S (418.1)	SCREENING VOC'S	SCREENING METALS	REMARKS
P24	S010A	1/22	941	X			Low Level	BORING 010A	3	X	X	X	X	X	X	X	X	
P24	S010A DUP	1/22	941	X			" "	BORING 010A DUP.	3	X	X	X	X	X	X	X	X	
P24	S010B	1/22	945	X			" "	BORING 010B	3	X	X	X	X	X	X	X	X	
P24	S010C	1/22	952	X			" "	BORING 010C	3	X	X	X	X	X	X	X	X	
P24	S005A	1/22	1008	X			" "	BORING 005A	3	X	X	X	X	X	X	X	X	
P24	S005A DUP	1/22	1008	X			" "	BORING 005A DUP.	3	X	X	X	X	X	X	X	X	
P24	S005B	1/22	1012	X			" "	BORING 005B	3	X	X	X	X	X	X	X	X	
P24	S005C	1/22	1019	X			" "	BORING 005C	3	X	X	X	X	X	X	X	X	
P24	S002A	1/22	1047	X			" "	BORING 002A	3	X	X	X	X	X	X	X	X	
P24	S002B	1/22	1051	X			" "	BORING 002B	3	X	X	X	X	X	X	X	X	
P24	S002C	1/22	1059	X			" "	BORING 002C	3	X	X	X	X	X	X	X	X	
P24	S003A	1/22	1125	X			" "	BORING 003A	3	X	X	X	X	X	X	X	X	
P24	S003B	1/22	1130	X			" "	BORING 003B	3	X	X	X	X	X	X	X	X	
P24	S003C	1/22	1134	X			" "	BORING 003C	3	X	X	X	X	X	X	X	X	

Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
Mike Grecu	1/24/91 1700	Fed Ex				FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 9747910336
Relinquished By: (Signature) Fed Ex	Date/Time 0900 1-25-91	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date: 1/22/91

Distribution: Original Accompanies Shipment, Copy to Coordinator Field Files
*See CONCENTRATION RANGE on back of form

234055

2400404

Job# 9100.172
Sample Range = 1571 → 1594

ANALYZE ALL PARAMETERS AS REQUIRED BY SITE SPECIFIC QAPP (SEE BARB KRAJEWSKI)

ecology and environment, inc.

269 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684 8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: UH6044
Project Name: NASP PHASE I A-E
Project Manager: JOHN BARKSDALE
Samplers: (Signatures) Mike Grech, Guy Halford
Field Team Leader: MIKE GRECH.

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING PAH'S	SCREENING CARBAMATES	SCREENING ORGANOPHOSPHORUS PEST	SCREENING PESTICIDES	SCREENING TOTAL PCBS	SCREENING TRPH'S (HIGH)	SCREENING VOC'S	SCREENING METALS	REMARKS
P24	S006A	1/22	1153	X			LOW level	BORING 006 A	3	X	X	X	X	X	X	X	X	
P24	S006B	1/22	1201	X			" "	BORING 006 B	3	X	X	X	X	X	X	X	X	
P24	S006C	1/22	1208	X			" "	BORING 006 C	3	X	X	X	X	X	X	X	X	
P24	S006D	1/22	1220	X			" "	BORING 006 D	3	X	X	X	X	X	X	X	X	
P24	S011A	1/22	1443	X			" "	BORING 011 A	3	X	X	X	X	X	X	X	X	
P24	S011B	1/22	1447	X			" "	BORING 011 B	3	X	X	X	X	X	X	X	X	
P24	S011C	1/22	1457	X			" "	BORING 011C	3	X	X	X	X	X	X	X	X	
P24	S008A	1/22	1508	X			" "	BORING 008 A	3	X	X	X	X	X	X	X	X	
P24	S008B	1/22	1514	X			" "	BORING 008 B	3	X	X	X	X	X	X	X	X	
P24	S008C	1/22	1523	X			" "	BORING 008C	3	X	X	X	X	X	X	X	X	

Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
Mike Grech	1/22/91 1700	Fed Ex				FEDERAL EXPRESS
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number
						9 7479 10336
Relinquished By (Signature)	Date/Time 0900 1-23-91	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date 1/22/91

Distribution: Original Accompanies Shipment, Copy to Coordinator Field Files
* CONCENTRATION RANGE on back of form

214055

Job # 9100.183
Sample Range 1686 - 1699

ANALYZE All PARAMETERS AS REQUIRED by SITE SPECIFIC QAPP (see BARB KRASEWSKI)

ecology and environment, inc.
398 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL 716/684
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project No.: UH6044
Project Name: NASP PARSEL A-E
Project Manager: JOHN BARKSDALE
Samplers (Signatures): Mike Grecu, Hug Hallford
Field Team Leader: MIKE GRECU

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING VOC	SCREENING PAH	SCREENING ORGANO PHOSPHOROUS PEST	SCREENING PCB	SCREENING PESTICIDES	TRPH'S (418.1)	SCREENING METALS	SCREENING CARBAMATES	REMARKS
P24	S015A	1/23	1010	X			Low Level	BORING 015A	3	X	X	X	X	X	X	X	X	
P24	S015B	1/23	1015	X			" "	BORING 015B	3	X	X	X	X	X	X	X	X	8oz lot# X0331013
P24	S016A	1/23	1032	X			" "	BORING 016A	3	X	X	X	X	X	X	X	X	QC# X0942C
P24	S016B	1/23	1037	X			" "	BORING 016B	3	X	X	X	X	X	X	X	X	
P24	S016C	1/23	1044	X			" "	BORING 016C	3	X	X	X	X	X	X	X	X	VOA Lot# B7234023
P24	S017A	1/23	0955	X			" "	BORING 017A	3	X	X	X	X	X	X	X	X	QC# B861C
P24	S017B	1/23	1100	X			" "	BORING 017B	3	X	X	X	X	X	X	X	X	
P24	S018A	1/23	1134	X			" "	BORING 018A	3	X	X	X	X	X	X	X	X	
P24	S018B	1/23	1142	X			" "	BORING 018B	3	X	X	X	X	X	X	X	X	
P24	S018C	1/23	1151	X			" "	BORING 018C	3	X	X	X	X	X	X	X	X	
P24	S018D	1/23	1208	X			" "	BORING 018D	3	X	X	X	X	X	X	X	X	
P24	S019A	1/23	1137	X			" "	BORING 019A	3	X	X	X	X	X	X	X	X	
P24	S019B	1/23	1141	X			" "	BORING 019B	3	X	X	X	X	X	X	X	X	
P24	S019C	1/23	1150	X			" "	BORING 019C	3	X	X	X	X	X	X	X	X	

Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
Mike Grecu	1/23/91 1800	Fed Ex				Federal Express
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 9747910325
Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date: 1/23/91
Fed Ex	0800 1-24-91					

Distribution: Original Accompanies Shipment. Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form

2140

JOB NUMBER : 9100.164

Ecology and Environment, Inc.
SAHPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAUPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1514.01	P24-S001A	SPNPRGl	01/21/91		01/23/91
1514.02	P24-S001A	SPNTPH1	01/21/91		01/23/91
1514.03	P24-S001A	SPNCRB1	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1515.01	P24-S001B	SPNPRGl	01/21/91		01/23/91
1515.02	P24-S001B	SPNTPHl	01/21/91		01/23/91
1515.03	P24-S001B	SPNCRBl	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1516.01	P24-S001C	SPNPRGl	01/21/91		01/23/91
1516.02	P24-S001C	SPNTPEl	01/21/91		01/23/91
1516.03	P24-S001C	SPNCRB1	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPP1.	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPMl	01/21/91		02/01/91
1517.01	P24-S004A	SPNPRG1	01/21/91		01/23/91
1517.02	P24-S004A	SPNTPH1	01/21/91		01/23/91
1517.03	P24-S004A	SPNCRB1	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPP1	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1518.01	P24-S004B	SPNPRGl	01/21/91		01/23/91
1518.02	P24-S004B	SPNTPH1	01/21/91		01/23/91
1518.03	P24-S004B	SPNCRB1	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPMl	01/21/91		02/01/91
1519.01	P24-S004C	SPNPRGl	01/21/91		01/23/91
1519.02	P24-S004C	SPNTPEl	01/21/91		01/23/91
1519.03	P24-S004C	SPNCRB1	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1520.01	P24-S007A	SPNPRGl	01/21/91		01/23/91
1520.02	P24-S007A	SPNTPEl	01/21/91		01/23/91
1520.03	P24-S007A	SPNCRBl	01/21/91		02/12/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91

2400405

JOB NUMBER : 9100.164

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1520.03	P24-S007A	SPNP&P1	01/21/91		01/23/91
		SPNPAHl	01/21/91		02/01/91
1521.01	P24-S007B	SPNPRG1	01/21/91		01/23/91
1521.02	P24-S007B	SPNTPHl	01/21/91		01/23/91
1521.03	P24-S007B	SPNCRB1	01/21/91		02/13/91
		SPNMETl	01/21/91		01/23/91
		SPNOPP1	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAHl	01/21/91		02/01/91
1522.01	P24-S007C	SPNPRGl	01/21/91		01/23/91
1522.02	P24-S007C	SPNTPHl	01/21/91		01/23/91
1522.03	P24-S007C	SPNCRBl	01/21/91		02/13/91
		SPNMETl	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1523.01	P24-S009A	SPNPRGl	01/21/91		01/23/91
1523.02	P24-S009A	SPNTPHl	01/21/91		01/23/91
1523.03	P24-S009A	SPNCRBl	01/21/91		02/13/91
		SPNMETl	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAHl	01/21/91		02/01/91
1524.01	P24-S009B	SPNPRGl	01/21/91		01/23/91
1524.02	P24-S009B	SPNTPHl	01/21/91		01/23/91
1524.03	P24-S009B	SPNCRB1	01/21/91		02/13/91
		SPNMETl	01/21/91		01/23/91
		SPNOPP1	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAHl	01/21/91		02/01/91
1525.01	P24-S009C	SPNPRG1	01/21/91		01/23/91
1525.02	P24-S009C	SPNTPH1	01/21/91		01/23/91
1525.03	P24-S009C	SPNCRBl	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1526.01	P24-S012A	SPNPRGl	01/21/91		01/23/91
1526.02	P24-S012A	SPNTPHl	01/21/91		01/23/91
1526.03	P24-S012A	SPNCRBl	01/21/91		02/13/91
		SPNMETl	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1527.01	P24-S012B	SPNPRGl	01/21/91		01/23/91
1527.02	P24-S012B	SPNTPHl	01/21/91		01/24/91
1527.03	P24-S012B	SPNCRBl	01/21/91		02/13/91

JOB NUMBER : 9100.164

Ecology and Environment, Inc.
SAHPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1527.03	P24-S012B	SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1528.01	P24-S012C	SPNPRGl	01/21/91		01/23/91
1528.02	P24-S012C	SPNTPH1	01/21/91		01/24/91
1528.03	P24-S012C	SPNCRBl	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1529.01	P24-S013A	SPNPRGl	01/21/91		01/23/91
1529.02	P24-S013A	SPNTPH1	01/21/91		01/24/91
1529.03	P24-S013A	SPNCRBl	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1530.01	P24-S013B	SPNPRGl	01/21/91		01/23/91
1530.02	P24-S013B	SPNTPH1	01/21/91		01/24/91
1530.03	P24-S013B	SPNCRB1	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1531.01	P24-S013C	SPNPRGl	01/21/91		01/23/91
1531.02	P24-S013C	SPNTPH1	01/21/91		01/24/91
1531.03	P24-S013C	SPNCRB1	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1532.01	P24-S014A	SPNPRGl	01/21/91		01/23/91
1532.02	P24-S014A	SPNTPH1	01/21/91		01/24/91
1532.03	P24-S014A	SPNCRBl	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1533.01	P24-S014B	SPNPRGl	01/21/91		01/23/91
1533.02	P24-S014B	SPNTPH1	01/21/91		01/24/91
1533.03	P24-S014B	SPNCRBl	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPPl	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91
1534.01	P24-S014C	SPNPRGl	01/21/91		01/23/91

2400406

JOB NUMBER : 9100.164

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1534.02	P24-S014C	SPNTPH1	01/21/91		01/24/91
1534.03	P24-S014C	SPNCRB1	01/21/91		02/13/91
		SPNMET1	01/21/91		01/23/91
		SPNOPP1	01/21/91		01/25/91
		SPNP&P1	01/21/91		01/23/91
		SPNPAH1	01/21/91		02/01/91

JOB NUMBER : 9100.172

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1571.01	P24-S002A	SPNPRGl	01/22/91		01/24/91
1571.02	P24-S002A	SPNTPH1	01/22/91		01/28/91
1571.03	P24-S002A	SPNCRB1	01/22/91		02/13/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1572.01	P24-S002B	SPNPRGl	01/22/91		01/24/91
1572.02	P24-S002B	SPNTPH1	01/22/91		01/28/91
1572.03	P24-S002B	SPNCRB1	01/22/91		02/13/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1573.01	P24-S002C	SPNPRGl	01/22/91		01/24/91
1573.02	P24-S002C	SPNTPH1	01/22/91		01/28/91
1573.03	P24-S002C	SPNCRB1	01/22/91		02/13/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1574.01	P24-S003A	SPNPRGl	01/22/91		01/24/91
1574.02	P24-S003A	SPNTPH1	01/22/91		01/28/91
1574.03	P24-S003A	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1575.01	P24-S003B	SPNPRGl	01/22/91		01/24/91
1575.02	P24-S003B	SPNTPH1	01/22/91		01/28/91
1575.03	P24-S003B	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1576.01	P24-S003C	SPNPRGl	01/22/91		01/24/91
1576.02	P24-S003C	SPNTPH1	01/22/91		01/28/91
1576.03	P24-S003C	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1577.01	P24-S005A	SPNPRGl	01/22/91		01/24/91
1577.02	P24-S005A	SPNTPH1	01/22/91		01/28/91
1577.03	P24-S005A	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91

2400407

JOB NUMBER : 9100.172

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1577.03	P24-S005A	SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1578.01	P24-S005A DUP	SPNPRG1	01/22/91		01/24/91
1578.02	P24-S005A DUP	SPNTPH1	01/22/91		01/29/91
1578.03	P24-S005A DUP	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNPCPl	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1579.01	P24-S005B	SPNPRGl	01/22/91		01/24/91
1579.02	P24-S005B	SPNTPH1	01/22/91		01/29/91
1579.03	P24-S005B	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAHl	01/22/91		02/05/91
1580.01	P24-S005C	SPNPRGl	01/22/91		01/24/91
1580.02	P24-S005C	SPNTPHl	01/22/91		01/29/91
1580.03	P24-S005C	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/OS/91
1581.01	P24-S006A	SPNPRGl	01/22/91		01/24/91
1581.02	P24-S006A	SPNTPHl	01/22/91		01/29/91
1581.03	P24-S006A	SPNCRBl	01/22/91		02/14/91
		SPNMETl	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAHl	01/22/91		02/05/91
1582.01	P24-S006B	SPNPRGl	01/22/91		01/24/91
1582.02	P24-S006B	SPNTPH1	01/22/91		01/29/91
1582.03	P24-S006B	SPNCRBl	01/22/91		02/14/91
		SPNMETl	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNPCPl	01/22/91		01/29/91
		SPNPAHl	01/22/91		02/05/91
1583.01	P24-S006C	SPNPRGl	01/22/91		01/24/91
1583.02	P24-S006C	SPNTPHl	01/22/91		01/29/91
1583.03	P24-S006C	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNPCPl	01/22/91		01/29/91
		SPNPAHl	01/22/91		02/05/91
1584.01	P24-S006D	SPNPRGl	01/22/91		01/24/91
1584.02	P24-S006D	SPNTPHl	01/22/91		01/29/91
1584.03	P24-S006D	SPNCRBl	01/22/91		02/14/91

JOB NUMBER : 9100.172

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1584.03	P24-S006D	SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1585.01	P24-S008A	SPNPRG1	01/22/91		01/24/91
1585.02	P24-S008A	SPNTPH1	01/22/91		01/29/91
1585.03	P24-S008A	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1586.01	P24-S008B	SPNPRG1	01/22/91		01/24/91
1586.02	P24-S008B	SPNTPH1	01/22/91		01/29/91
1586.03	P24-S008B	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1587.01	P24-S008C	SPNPRGl	01/22/91		01/24/91
1587.02	P24-S008C	SPNTPH1	01/22/91		01/29/91
1587.03	P24-S008C	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1588.01	P24-S010A	SPNPRG1	01/22/91		01/24/91
1588.02	P24-S010A	SPNTPH1	01/22/91		01/29/91
1588.03	P24-S010A	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1589.01	P24-S010A DUP	SPNPRGl	01/22/91		01/24/91
1589.02	P24-S010A DUP	SPNTPH1	01/22/91		01/29/91
1589.03	P24-S010A DUP	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1590.01	P24-S010B	SPNPRGl	01/22/91		01/24/91
1590.02	P24-S010B	SPNTPH1	01/22/91		01/29/91
1590.03	P24-S010B	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPP1	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1591.01	P24-S010C	SPNPRGl	01/22/91		01/24/91

2400408

JOB NUMBER : 9100.172

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1591.02	P24-S010C	SPNTPH1	01/22/91		01/29/91
1591.03	P24-S010C	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1592.01	P24-S011A	SPNPRGl	01/22/91		01/24/91
1592.02	P24-S011A	SPNTPH1	01/22/91		01/29/91
1992.03	P24-S011A	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1593.01	P24-S011B	SPNPRGl	01/22/91		01/24/91
1593.02	P24-S011B	SPNTPH1	01/22/91		01/29/91
1593.03	P24-S011B	SPNCRB1	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91
1594.01	P24-S011C	SPNPRGl	01/22/91		01/24/91
1594.02	P24-S011C	SPNTPH1	01/22/91		01/29/91
1594.03	P24-S011C	SPNCRBl	01/22/91		02/14/91
		SPNMET1	01/22/91		01/25/91
		SPNOPPl	01/22/91		01/29/91
		SPNP&P1	01/22/91		01/29/91
		SPNPAH1	01/22/91		02/05/91

a .

JOB NUMBER : 9100.183

Ecology and Environuent, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1686.01	P24-S015A	SPNPRG1	01/23/91		01/26/91
1686.02	P24-S015A	SPNTPH1	01/23/91		01/30/91
1686.03	P24-S015A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1687.01	P24-S015B	SPNPRG1	01/23/91		01/26/91
1687.02	P24-S015B	SPNTPH1	01/23/91		01/30/91
1687.03	P24-S015B	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1688.01	P24-S016A	SPNPRG1	01/23/91		01/26/91
1688.02	P24-S016A	SPNTPH1	01/23/91		01/30/91
1688.03	P24-S016A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1689.01	P24-S016B	SPNPRG1	01/23/91		01/26/91
1689.02	P24-S016B	SPNTPH1	01/23/91		01/30/91
1689.03	P24-S016B	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1690.01	P24-S016C	SPNPRGl	01/23/91		01/26/91
1690.02	P24-S016C	SPNTPH1	01/23/91		01/30/91
1690.03	P24-S016C	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1691.01	P24-S017A	SPNPRG1	01/23/91		01/26/91
1691.02	P24-S017A	SPNTPH1	01/23/91		01/30/91
1691.03	P24-S017A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1692.01	P24-S017B	SPNPRG1	01/23/91		01/26/91
1692.02	P24-S017B	SPNTPH1	01/23/91		01/30/91
1692.03	P24-S017B	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91

2400409

JOB NUMBER : 9100.183

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1686.01	P24-S015A	SPNPRGl	01/23/91		01/26/91
1686.02	P24-S015A	SPNTPH1	01/23/91		01/30/91
1686.03	P24-S015A	SPNCRBl	01/23/91		02/16/91
		SPNHET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAB1	01/23/91		02/07/91
1687.01	P24-S015B	SPNPRGl	01/23/91		01/26/91
1687.02	P24-S015B	SPNTPH1	01/23/91		01/30/91
1687.03	P24-S015B	SPNCRB1	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1688.01	P24-S016A	SPNPRGl	01/23/91		01/26/91
1688.02	P24-S016A	SPNTPHl	01/23/91		01/30/91
1688.03	P24-S016A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1689.01	P24-S016B	SPNPRGl	01/23/91		01/26/91
1689.02	P24-S016B	SPNTPHl	01/23/91		01/30/91
1689.03	P24-S016B	SPNCRBl	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1690.01	P24-S016C	SPNPRGl	01/23/91		01/26/91
1690.02	P24-S016C	SPNTPHl	01/23/91		01/30/91
1690.03	P24-S016C	SPNCRBl	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAR1	01/23/91		02/07/91
1691.01	P24-S017A	SPNPRGl	01/23/91		01/26/91
1691.02	P24-S017A	SPNTPHl	01/23/91		01/30/91
1691.03	P24-S017A	SPNCRB1	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1692.01	P24-S017B	SPNPRGl	01/23/91		01/26/91
1692.02	P24-S017B	SPNTPHl	01/23/91		01/30/91
1692.03	P24-S017B	SPNCRBl	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91

JOB NUMBER : 9100.183

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1692.03	P24-S017B	SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1693.01	P24-S018A	SPNPRG1	01/23/91		01/26/91
1693.02	P24-S018A	SPNTPH1	01/23/91		01/30/91
1693.03	P24-S018A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1694.01	P24-S018B	SPNPRGl	01/23/91		01/26/91
1694.02	P24-S018B	SPNTPH1	01/23/91		01/30/91
1694.03	P24-S018B	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1695.01	P24-S018C	SPNPRG1	01/23/91		01/26/91
1695.02	P24-S018C	SPNTPH1	01/23/91		01/30/91
1695.03	P24-S018C	SPNCRB1	01/23/91		02/17/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1696.01	P24-S018D	SPNPRG1	01/23/91		01/26/91
1696.02	P24-S018D	SPNTPH1	01/23/91		01/30/91
1696.03	P24-S018D	SPNCRB1	01/23/91		02/17/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1697.01	P24-S019A	SPNPRG1	01/23/91		01/26/91
1697.02	P24-S019A	SPNTPH1	01/23/91		01/30/91
1697.03	P24-S019A	SPNCRB1	01/23/91		02/17/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1698.01	P24-S019B	SPNPRG1	01/23/91		01/26/91
1698.02	P24-S019B	SPNTPH1	01/23/91		01/30/91
1698.03	P24-S019B	SPNCRB1	01/23/91		02/17/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91
1699.01	P24-S019C	SPNPRG1	01/23/91		01/26/91
1699.02	P24-S019C	SPNTPH1	01/23/91		01/30/91
1699.03	P24-S019C	SPNCRB1	01/23/91		02/17/91

[redacted] 24 C0410

JOB NUMBER : 9100.183

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1699.03	P24-S019C	SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/30/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/07/91

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01514 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S001A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	8.1		1.0	MG/KG
Zinc	4.6		2.0	MG/KG
Lead	39		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	13		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400411

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01515 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S001B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	4.9		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	3.4		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01516 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.8		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

2400412

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01571 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01572 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S002B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.5		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATRD DETECTION LIMIT

2400413

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01573 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S002C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01574 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S003A

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	5.1		1.0	MG/KG
Zinc	37		2.0	MG/KG
Lead	45		4.0	MG/KG
Cadmium	1.1		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	22		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400414

NETALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01575 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S0038

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	6.6		2.0	MG/KG
Lead	7.3		4.0	MG/KG
Cadmium	0.68		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	2.7		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01576 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.7		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400415

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01517 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.2		1.0	MG/KG
Zinc	5.1		2.0	MG/KG
Lead	14		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	3.2		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAHPLE ID LAB : EE-91-01518 MATRIX: SOLID
SAHPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.7		1.0	MG/KG
Zinc	5.8		2.0	MG/KG
Lead	44		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	11		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400416

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS 'IN WET WEIGHT
SAMPLE ID LAB : EE-91-01519 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	37		2.0	MG/KG
Lead	5.3		4.0	MG/KG
Cadmium	0.86		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01577 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DEI. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	15		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400417

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01577 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.5		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : €E-91-01578 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S005A DUP

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.4		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400418

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01579 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01580 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.8		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400419

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : €E-91-01581 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.9		1.0	MG/KG
Zinc	8.2		2.0	MG/KG
Lead	7.5		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01582 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S006B

PARAMETER	RBSULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	33		1.0	MG/KG
Zinc	55		2.0	MG/KG
Lead	57		4.0	MG/KG
Cadmium	1.9		0.50	MG/KG
Nickel	14		4.0	MG/KG
Copper	10		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

2400420

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01583 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S006C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	5.8		1.0	MG/KG
Zinc	56		2.0	MG/KG
Lead	26		4.0	MG/KG
Cadmium	3.2		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	5.2		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01584 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.0		1.0	MG/KG
Zinc	6.1		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.60		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION WHIT

2400421

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01520 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.4		1.0	MG/KG
Zinc	4.1		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.65		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01521 HATRIX: SOLID
SAHPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	12		1.0	MG/KG
Zinc	43		2.0	MG/KG
Lead	76		4.0	MG/KG
Cadmium	1.2		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	24		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400422

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01522 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	6.5		1.0	MG/KG
Zinc	80		2.0	MG/KG
Lead	18		4.0	MG/KG
Cadmium	0.71		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	23		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01585 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.8		1.0	MG/KG
Zinc	4.3		2.0	MG/KG
Lead	8.6		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	4.8		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400423

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01586 HATRIX: SOLID
SAHPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.4		1.0	MG/KG
Zinc	3.4		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 UASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01587 MATRIX: SOLID
SMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.8		1.0	MG/KG
Zinc	6.9		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = CO —— ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

2400424

HETALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01523 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.4		1.0	MG/KG
Zinc	9.3		2.0	MG/KG
Lead	240		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	29		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLTENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01524 HATRIX: SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	NO		6.9	MG/KG
Chromium	2.9		1.0	MG/KG
Zinc	10		2.0	MG/KG
Lead	770		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	140		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400425

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01525 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	5.3		1.0	MG/KG
Zinc	6.4		2.0	MG/KG
Lead	120		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	21		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01588 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400426

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01589 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION **JOB NUMBER :9100.172**

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01590 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.s	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIIUT

2400427

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01591 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S010C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.1		1.0	MG/KG
Zinc	5.2		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01592 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S011A

PARAMETER	RBSULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.9		1.0	MG/KG
Zinc	17		2.0	MG/KG
Lead	360		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	3.3		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

2400428

METALS SECTION JOB NUHBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01593 MATRIX: SOLID
SAHPLE ID CLIENT: P24-S011B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	2.6		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01594 MATRIX: SOLID
SAHPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.0		1.0	MG/KG
Zinc	34		2.0	MG/KG
Lead	7.6		4.0	MG/KG
Cadmium	0.73		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400429

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PIIASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01526 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S012A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.8		1.0	MG/KG
Zinc	17		2.0	MG/KG
Lead	450		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	66		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01527 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S012B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	6.1		1.0	MG/KG
Zinc	3.4		2.0	MG/KG
Lead	13		4.0	MG/KG
Cadmium	1.0		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400430

HETALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01528 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S012C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.6		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	13		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

HETALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUFS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01529 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S013A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

2400431

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01530 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S013B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.8		1.0	MG/KG
Zinc	2.7		2.0	MG/KG
Lead	5.6		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

HETALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01531 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S013C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.6		1.0	MG/KG
Zinc	3.1		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400432

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01532 MATRIX: SOLID
SAMPLE ID CLIENT: P24-SO14A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	9.1		2.0	MG/KG
Lead	150		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01533 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	10		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.65		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400433

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	3.6		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN **BLANK**
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER r9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01686 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.8		1.0	MG/KG
Zinc	12		2.0	MG/KG
Lead	27		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400434

HETALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01687 MATRIX: SOLID
SAHPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	15		1.0	MG/KG
Zinc	360		2.0	MG/KG
Lead	140		4.0	MG/KG
Cadmium	11		0.50	MG/KG
Nickel	9.4		4.0	MG/KG
Copper	60		2.5	MG/KG
Silvcr	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB **NUMBER :9100.183**

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN **WET WEIGHT**
SAMPLE ID LAB : **E€-91-01688** MATRIX: SOLID
SAMPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.1		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400435

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01689 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.4		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COHUENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : 'EE-91-01690 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400436

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : €E-91-01691 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	HG/KG
Chromium	2.3		1.0	MG/KG
Zinc	9.3		2.0	MG/KG
Lead	13		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01692 MATRIX: SOWD
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	7.9		1.0	MG/KG
Zinc	310		2.0	MG/KG
had	2900		4.0	MG/KG
Cadmium	1.8		0.50	MG/KG
Nickel	5.6		4.0	MG/KG
Copper	180		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400457

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01693 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.6		1.0	MG/KG
Zinc	61		2.0	MG/KG
Lead	89		4.0	MG/KG
Cadmium	1.5		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	48		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01694 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S018B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	4.5		1.0	MG/KG
Zinc	87		2.0	MG/KG
Lead	41		4.0	MG/KG
Cadmium	3.6		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	12		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400438

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01695 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S018C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	24		2.0	MG/KG
Lead	12		4.0	MG/KG
Cadmium	0.84		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	4.6		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01696 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.6		1.0	MG/KG
Zinc	10		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.67		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400439

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01697 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S019A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.9		1.0	MG/KG
Zinc	16		2.0	MG/KG
Lead	400		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	3.7		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01698 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.1		1.0	MG/KG
Zinc	6.1		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400440

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01699 MATRIX: SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.5		1.0	MG/KG
Zinc	8.9		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.63		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOLID SAMPLES

9100.164

(mg/kg)

Parameter	E & E Laboratory No. 91-01516	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		4.8	1.0	131
Zinc		ND	ND	--
Lead		ND	4.4	--
Cadmium		ND	ND	--
Nickel		ND	ND	--
Copper		ND	ND	--
Silver		ND	ND	--

2400441

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOLID SAMPLES

9100.164

(mg/kg)

Parameter	E & E Laboratory No. 91-01516	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	200	100
Chromium		4.8	20	23	91
Zinc		ND	50	49	98
Lead		ND	50	40	80
Cadmium		ND	5.0	4.7	94
Nickel		ND	50	47	94
Copper		ND	25	27	108
Silver		ND	5.0	5.0	100

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOLID SAMPLES

9100.164

(mg/kg)

Parameter	E C E Laboratory No. 91-01528	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		2.6	1.6	48
Zinc		ND	2.6	--
Lead		13	25	63
Cadmium		ND	ND	--
Nickel		ND	ND	--
Copper		ND	3.3	--
Silver		ND	ND	--

2400442

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOLID SAMPLES

9100.164

(mg/kg)

Parameter	E & E Laboratory No. 91-01528	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	200	100
Chromium		2.6	20	22	97
Zinc		ND	50	49	98
Lead		13	50	64	102
Cadmium		ND	5.0	4.8	96
Nickel		ND	50	47	94
Copper		ND	25	28	112
Silver		ND	5.0	5.1	102

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOLID SAMPLES

9100.172

(mg/kg)

Parameter	E & E Laboratory No. 91-01580	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		1.8	1.4	25
Zinc		ND	ND	--
Lead		ND	ND	--
Cadmium		ND	ND	--
Nickel		ND	ND	--
Copper		ND	ND	--
Silver		ND	ND	--

2400443

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOLID SAMPLES

9100.172

(mg/kg)

Parameter	E & E Laboratory No. 91-01580	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	180	90
Chromium		1.8	20	20	91
Zinc		ND	50	49	98
Lead		ND	50	45	90
Cadmium		ND	5.0	4.6	92
Nickel		ND	50	51	102
Copper		ND	25	23	92
Silver		ND	5.0	4.6	92

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOLID SAMPLES

9100.172

(mg/kg)

Parameter	E & E Laboratory No. 91-01590	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		ND	1.2	--
Zinc		ND	ND	--
Lead		ND	ND	--
Cadmium		ND	ND	--
Nickel		ND	ND	--
Copper		ND	ND	--
Silver		ND	ND	--

2400444

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.172

(mg/kg)

Parameter	E & E Laboratory No. 91-01590	Original Value	Amount Added	Amount Determincd	Percent Recovery
Arsenic		ND	200	170	85
Chromium		ND	20	19	95
Zinc		ND	50	46	92
Lead		ND	50	42	84
Cadmium		ND	5.0	5.1	102
Nickel		ND	50	46	92
Copper		ND	25	24	96
Silver		ND	5.0	4.7	94

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOLID SAMPLES

9100.183

(mg/kg)

Parametar	E & E Laboratory No. 91-01691	Original Analysis	Replicate Analysis	Relativa Percent Difference (RPD)
Arsenic		ND	ND	NC
Chromium		2.3	2.4	4.2
Zinc		9.3	8.3	11
Lead		13	9.4	32
Cadmium		ND	ND	NC
Nickel		ND	ND	NC
Copper		ND	ND	NC
Silver		ND	ND	NC

2400445

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOLID SAMPLES

9100.183

(mg/kg)

Parameter	E & E Laboratory No. 91-01691	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	170	85
Chromium		2.3	20	20	88
Zinc		9.3	50	53	87
Lead		13	50	50	74
Cadmium		ND	5.0	4.6	92
Nickel		ND	50	46	92
Copper		ND	25	24	96
Silver		ND	5.0	4.7	94

METALS SECTION JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET VEIGHT
SAMPLE ID LAB : METHOD BLANK MATRIX: SOLID

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400446

METALS SECTION JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : METHOD BLANK MATRIX: SOLID

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : METHOD BLANK MATRIX: SOLID

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNTPH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/KG
PARAMETER : TRPH

SAHPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01514			
P24-S001A	ND		5.0
EE-91-01515			
P24-S001B	ND		5.0
EE-91-01516			
P24-S001C	ND		5.0
EE-91-01517			
P24-S004A	ND		5.0
EE-91-01518			
P24-S004B	ND		5.0
EE-91-01519			
P24-S004C	ND		5.0
EE-91-01520			
P24-S007A	ND		5.0
EE-91-01521			
P24-S007B	ND		5.0
EE-91-01522			
P24-S007C	41		5.0
EE-91-01523			
P24-S009A	ND		5.0
EE-91-01524			
P24-S009B	ND		5.0
EE-91-01525			
P24-S009C	ND		5.0
EE-91-01526			
P24-S012A	ND		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

TEST CODE :SPNTPH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/KG
PARAMETER : TRPH

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01527 P24-S012B	74		5.0
EE-91-01528 P24-S012C	100		5.0
EE-91-01529 P24-S013A	160		5.0
EE-91-01530 P24-S013B	59		5.0
EE-91-01531 P24-S013C	51		5.0
EE-91-01532 P24-S014A	56		5.0
EE-91-01533 P24-S014B	56		5.0
EE-91-01534 P24-S014C	52		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

2400448

TEST CODE :SPNTPH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/KG
PARAMETER : TRPH

SAHPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01571 P24-S002A	ND		5.0
EE-91-01572 P24-S002B	7.0		5.0
EE-91-01573 P24-S002C	ND		5.0
EE-91-01574 P24-S003A	ND		5.0
EE-91-01575 P24-S003B	ND		5.0
EE-91-01576 P24-S003C	ND		5.0
EE-91-01577 P24-S005A	ND		5.0
EE-91-01578 P24-S005A DUP	12		5.0
EE-91-01579 P24-S005B	ND		5.0
EE-91-01580 P24-S005C	ND		5.0
EE-91-01581 P24-S006A	13		5.0
EE-91-01582 P24-S006B	36		5.0
EE-91-01583 P24-S006C	14		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

TEST CODE :SPNTPH1 JOB NUMBER :9100.172

Bcology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/KG
PARAMETER : TRPE

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01584 P24-S006D	ND		5.0
EE-91-01585 P24-S008A	ND		5.0
EE-91-01586 P24-S008B	11		5.0
EE-91-01587 P24-S008C	ND		5.0
EE-91-01588 P24-S010A	9.5		5.0
EE-91-01589 P24-S010A DUP	ND		5.0
EE-91-01590 P24-S010B	8.5		5.0
EE-91-01591 P24-S010C	9.0		5.0
EE-91-01592 P24-S011A	ND		5.0
EE-91-01593 P24-S011B	9.6		5.0
EE-91-01594 P24-S011C	15		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

2400449

TEST CODE :SPNTPH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPB UNITS : MG/KG
PARAHETER : TRPH

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01686			
P24-S015A	ND		5.0
EE-91-01687			
P24-S015B	92		5.0
EE-91-01688			
P24-S016A	ND		5.0
EE-91-01689			
P24-S016B	ND		5.0
EE-91-01690			
P24-S016C	ND		5.0
EE-91-01691			
P24-S017A	ND		5.0
EE-91-01692			
P24-S017B	54		5.0
EE-91-01693			
P24-S018A	42		5.0
EE-91-01694			
P24-S018B	12		5.0
EE-91-01695			
P24-S018C	ND		5.0
EE-91-01696			
P24-S018D	ND		5.0
EE-91-01697			
P24-S019A	21		5.0
EE-91-01698			
P24-S019B	ND		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

TEST CODE :SPNTPH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAHE : PNC TRPE UNITS : MG/KG
PARAMETER : TRPE

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01699			
P24-S019C	ND		5.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

2400450

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.164

(mg/kg)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
T.Petroleum Hydrocarbons	01522	41	240	210	70
	01527	74	460	380	66

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF SOIL SAMPLES

9100.172

(mg/kg)

Parameter	E & E Laboratory No. 91-	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
T. Petroleum Bydrocarbons	01577	ND	ND	--
	01580	ND	ND	--

2400451

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.172

(mg/kg)

Parametcr	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
T.Petroleum fiydrocarbons	01590	8.5	240	200	80

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : €E-91-01514 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Hethylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400452

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01515 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01516 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400453

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01571 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthenc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethana	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethana	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
3 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01572 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethmc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400454

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGXT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01573 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01574 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003A

PARAMETER	RBSULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1400		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400455

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01575 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1400		1000
Ethylbcnzcne	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PBASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01576 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400456

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01517 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01518 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400457

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01519 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COHMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01577 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400458

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGBT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01578 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbcnzcne	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichlorocthene	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE ID LAB : BE-91-01579 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400459

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01580 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethane	ND		1000

QUALIFIERS: C = COHRENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environaent, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01581 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIHIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tctrachloroethme	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400460

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01582 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006B

PARAHETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethcnc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachlorocthens	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE ID LAB : BE-91-01583 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S006C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethane	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400461

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01584 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01520 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

2400462

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01521 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01522 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COHMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400453

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01585 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2500		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethcne	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID JAB : EE-91-01586 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2600		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400461

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01587 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2100		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroathene	ND		1000
Tetrachloroethane	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01523 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400465

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01524 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : €E-91-01525 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400466

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01588 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2900		1000
Trans-1.2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethcne	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01589 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1.1 - dichloroethene	ND		1000
Methylene Chloride	2900		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400467

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01590 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethcne	ND		1000
Methylene Chloride	3000		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichloroethene	ND		1000
Tctrachlorocthenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
3 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Ine.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01591 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1000		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2800		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichlorwthane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400468

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01592 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbcnzenc	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2300		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroathene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01593 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	1600	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400469

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01594 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethenc	ND		1000
Methylene Chloride	2400		1000
Trans-1,2, - Dichloroethcnc	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichlorocthanc	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichlorocthcne	ND		1000
Tetrachloroethenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01526 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NO" DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400470

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01527 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO12B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01528 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400471

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01529 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Ttichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01530 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethcne	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400472

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01531 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01532 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO14A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Hethylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

2400473

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01533 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1400		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400474

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01686 HATRIX : SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2900	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE ID LAB : E€-91-01687 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthenc	ND		1000
Methylene Chloride	3200	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400475

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01688 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethcnc	ND		1000
Methylene Chloride	2400	B	1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichlorocthanc	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethcne	ND		1000
Tetrachlorocthcne	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01689 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	a	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	2100	B	1000
Trans-1.2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroathane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400476

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01690 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1000		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthcne	ND		1000
Methylene Chloride	2900	B	1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichlorocthene	ND		1000
Tetrachloroethene	ND		1000

OUALIFIERS: C = COMHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01691 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzcna	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	4100	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethrnc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400477

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01692 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1000		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	3500	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01693 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethane	ND		1000
Methylene Chloride	1400	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethane	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400478

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01694 HATRIX : SOLID
SAMPLE ID CLIENT: P24-S018B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethenc	ND		1000
Hethylene Chloride	1200	B	1000
Trans-1,2, - Dichloroethenc	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01695 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1100		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthenc	ND		1000
Methylene Chloride	1300	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tctrachlorocthene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400479

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01696 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1400		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01697 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethcnc	ND		1000
Tctrachlorocthenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400480

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01698 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1400		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethenc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01699 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1300		1000
Ethylbcnacnc	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthenc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichloroethene	ND		1000
Tetrachlorocthcne	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400461

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
(Sample # 1699)

9100.183

(ug/kg)

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
1,2-Dichlorobenzene	ND	25000	19000	76
1,3-Dichlorobenzene	ND	25000	18000	72
1,4-Dichlorobenzene	ND	25000	19000	76
Benzene	ND	25000	17000	68
Toluene	1300	25000	19000	71
ethyl benzene	ND	25000	18000	72

These recoveries and RPDs are within E 6 E, Inc. limits.

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
(Sample # 1699)

9100.183

(ug/kg)

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
1,2-Dichloroethane	ND	25000	24000	96
1,1,1-Trichloroethane	ND	25000	19000	76
1,1-Dichloroethane	ND	25000	18000	72
1,1-Dichloroethane	ND	25000	14000	56
trans-1,2-Dichloroethane	ND	25000	17000	68
Tetrachloroethenr	ND	25000	23000	92
Trichloroethene	ND	25000	21000	84

These recoveries and RPDs are within E & E, Inc. limits.

2400482

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
(Sample # 1576)

9100.172

Compound	Original Rcsult	Amount Added	Amount Determined	Percent Recovery
1,2 Dichlorobenzene	ND	25000	23000	92
1,3 Dichlorobenzene	ND	25000	23000	92
1,4 Dichlorobenzene	ND	25000	23000	92
Benzene	1300	25000	21000	79
Toluene	ND	25000	24000	96
Ethylbcnzcne	ND	25000	23000	92
1,2 Dichlorocthanc	ND	25000	23000	92
1,1,1-Trichloroethane	ND	25000	26000	104
1,1-Dichloroethane	ND	25000	25000	100
1,1-Dichloroethene	ND	25000	26000	104
Trans-1,2-dichloroethene	ND	25000	20000	80
Hathylcne Chloride	ND	25000	20000	80
Tetrachlorocthcnc	ND	25000	20000	80
Trichlorocthenc	ND	25000	24000	96

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 1 MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	1500		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400483

TEST CODE :SPNPRG1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 2 MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT.
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 1 MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIHIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethenc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichlorocthene	ND		1000
Tctrachlorocthene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400484

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 2 HATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichlorocthene	ND		1000
Methylene Chloride	1800		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPRG1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzene	ND		1000
Total Xylenes	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	IUD		1000
Methylene Chloride	1900		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthcnc	ND		1000
Tetrachloroethene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400485

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01514 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01515 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2403486

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01516 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		**1000**

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01571 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400487

TEST CODE : SPNPAH1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAE - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01572 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01573 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRBSENT BELOW STATED DETECTION LIHIT

2400488

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01574 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01575 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400483

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01576 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01517 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

2400490

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01518 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE : SPNPAH1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNTTS : UG/KG
SAMPLE ID LAB : EE-91-01519 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400491

TEST CODE : SPNPAH1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01577 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAA - LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01578 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2403492

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01579 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01580 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400493

TEST CODE : SPNPAH1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01581 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	1300		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PBASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : BE-91-01582 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT NO = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNPAH1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01583 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S006C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01584 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : IJH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01520 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUHBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01521 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOU STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01522 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODB :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environrcnt, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01585 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNPAH1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01586 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Bcnzo-a-pyrenc	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01587 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNPAHI JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01523 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COHMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01524 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01525 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01588 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01589 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01590 HATRIX : SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400501

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC **UNITS** : UG/KG
SAMPLE ID LAB : EE-91-01591 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S010C

PARAMETER	**RESULTS**	**Q**	**DET. LIMIT**
Total as Benzo-a-pyrene	**ND**		**1000**

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN **BLANK**
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01592 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S011A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = *ALSO* PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : **EE-91-01593** MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01594 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01526 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET UEIGRT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01527 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400504

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLTENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01528 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO12C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01529 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400505

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01530 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOE NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH 6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01531 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO13C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400506

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01532 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01533 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400507

TEST CODE : SPNPAH1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAE - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01686 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01687 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	1600		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01688 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400509

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01689 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01690 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400510

~~2400510~~

TEST CODE : SPNPAH1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01691 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01692 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400511

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01693 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
3 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environaent, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01694 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400512

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01695 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNPAH1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAHE : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01696 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400513

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01697 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01698 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

2400514

TEST CODE :SPNPAH1 **JOB NUMBER :9100.183**

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01699 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.169

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1520.03	ND	50	41	02
	1534.03	ND	50	31	62

2400515

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.172

(ug)

Parameter	E & E Laboratory No, 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1573	ND	17	50	34
	1583	ND	37	50	75
	1594	ND	24	50	48

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.183

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1697.03	ND	50	57	114

240516

TEST CODE :SPNPAH1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01514 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001A

PARAHETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4p4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240517

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01515 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4- DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01516 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240513

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01571 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNP&P1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01572 MATRIX : SOLID
SAMPLE ID CLIENT: **P24-S002B**

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4.4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240513

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01573 MATRIX : SOLID
SAMPLE ID CLIENT: **P24-S002C**

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total **PCBS**	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : E€-91-01574 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003A

PARAMETER	RESULTS	Q	DET. LIMIT
Hepta& lor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240520

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01575 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S003B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01576 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240521

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01517 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01518 HATRIX : SOLID
SAMPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240522

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01519 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01577 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240523

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01578 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S005A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

OUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : €E-91-01579 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIJIIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240524

TEST CODE : SPNP&P1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN **WET** WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01580 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
494 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		***5000***

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01581 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240525

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01582 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : BE-91-01583 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S006C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240526

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET VEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01584 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
494 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNP&P1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01520 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240527

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01521 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01522 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

240528

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01585 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01586 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240529

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01587 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNP&P1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01523 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240530

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01524 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01525 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240531

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01588 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4p4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01589 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Ecptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DM'	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240532

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01590 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01591 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010C

PARAMETER	RESULTS	Q	DET. LIMIT
Reptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
494 - DDT	ND		1000
Dieldrin / 494 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240533

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01592 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01593 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Reptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240531

TEST CODE :SPNP&P1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01594 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUHBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01526 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240535

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01527 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01528 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240536

TEST CODE : SPNP&P1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN- WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01529 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET VEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01530 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013B

PARAHETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240537

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01531 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLTENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01532 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240538

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01533 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240539

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01686 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01687 MATRIX : SOLID
SAWPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMT

240540

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01688 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4p4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01689 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240541

TEST CODE : SPNP&P1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01690 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER 39100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01691 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240542

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01692 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4p4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01693 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240543

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01694 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018B

PARAHETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01695 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4p4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240541

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01696 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01697 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019A

PARAMETER	RESULTS	Q	DET. LIHIT
Eeptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240545

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01698 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01699 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Eeptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240546

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY AND RELATIVE PERCENT DIFFERENCE (RPD)
OF SOIL MATRIX SPIKE (MS) FOR PENSACOLA SCREENING
(Sample # 1514)

9100.164

(ug/kg)

Compound	Original Result	Amount Added MS	Amount Determined MS	Percent Recovery MS
Aroclor 1254	ND	5000	4400	aa

ND=None detected.

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY AND RELATIVE PERCENT DIFFERENCE (RPD)
OF SOIL MATRIX SPIKE (HS) FOR PENSACOLA SCREENING
(Sample # 1524)

9100.164

(ug/kg)

Compound	Original Result	Amount Added HS	Amount Determined HS	Percent Recovery MS
Lindane	ND	400	491	122
Heptachlor	ND	400	496	124
Aldrin	ND	400	472	118
Dieldrin	ND	1000	1342	134
Endrin	ND	1000	1309	131
4,4'-DDT	ND	1000	1131	113

ND=None detected.

240547

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY AND RELATIVE PERCENT DIFFERENCE (RPD)
OF SOIL MATRIX SPIKE (MS) FOR PENSACOLA SCREENING
(Sample # 1534)

9100.164

(ug/kg)

Compound	Original Result	Amount Added MS	Amount Determined MS	Percent Recovery MS
Aroclor 1254	ND	5000	*3900*	78

ND=None detected.

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
(Sample # 1591)

9100.172

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	400	541	135
Eeptachlor	ND	400	535	134
Aldrin	ND	400	513	128
Dieldrin/DDE	ND	1000	1703	170
Endrin	ND	1000	1474	147
4,4'-DDT	ND	1000	1291	129
AR1254	ND	5000	6430	129

240548

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
FOR PENSACOLA SCREENING
(Sample # 1691)

9100.183

(ug/kg)

Compound	Original Rcsult	Amount Added MS	Amount Determined ns	Percent Recovery MS
Lindane	ND	400	440	110
Heptachlor	ND	400	460	115
Aldrin	ND	400	440	110
Dieldrin	ND	1000	1600	160
Endrin	ND	1000	1400	140
4,4'-DDT	ND	1000	1200	120
Aroclor 1254	ND	5000	2900	58

ND=None detected.

TEST CODE :SPNP&P1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

.....

QUALIFIERS: C = COMMENT NO = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240543

TEST CODE : SPNP&P1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN-WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
flaptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240550

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLTENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN-WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01514 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : E€-91-01515 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240551

TEST CODE : SPNOPP1 JOB NUMBER : 9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01516 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET UEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01571 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240552

TEST CODE : SPNOPP1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01572 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002B

PARAMETER	RESULTS	Q	DET. LIMIT
Dimeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID JAB : EE-91-01573 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240553

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01574 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01575 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240551

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN-WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01576 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIMIT
Dameton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID JAB : EE-91-01517 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIHIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240555

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : **UH-6000** NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01518 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN **BLANK**
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01519 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240556

TEST CODE : SPNOPP1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01577 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01578 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SOOSA DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240557

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01579 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01580 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Dameton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240558

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAUPLE ID LAB : EE-91-01581 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
Demcton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01582 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240559

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01583 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01584 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240560

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01520 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01521 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240561

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01522 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01585 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240563

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01586 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Dameton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01587 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240563

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01523 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01524 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240561

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01525 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C : COHHENT ND : NOT DETECTED
J = ESTIMATED VALUE B : ALSO PRESENT IN BLANK
L : PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01588 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240565

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01589 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01590 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240560

TEST CODE :SPNOPP1 **JOB NUMBER :9100.172**

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : **UH-6000** NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01591 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = **COMMENT** **ND** = NOT DETECTED
J = ESTIMATED VALUE **B** = ALSO PRESENT IN **BLANK**
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01592 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011A

PARAMETER	RESULTS	Q	DET. LIMIT
hacton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240567

TEST CODE :SPNOPP1 JOB NUHBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : E€-91-01593 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO11B

PARAMETER	RESULTS	Q	DET. LIHIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01594 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240563

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01526 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO12A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01527 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240569

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01528 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01529 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013A

PARAHETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240570

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01530 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO13B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	NO		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

.....

QUALIFIERS: C = COHMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01531 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S013C

PARAHETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240571

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01532 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO14A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01533 HATRIX : SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

240572

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01686 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240573

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01687 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01688 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
Dameton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240574

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01689 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	Q	DET. LIMIT
Dameton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01690 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240575

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01691 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Canter

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EB-91-01692 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240576

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01693 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNOPP1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : E€-91-01694 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240577

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : E€-91-01695 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018C

PARAMETER	RESULTS	Q	DET. LIMIT
&met on	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01696 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240573

TEST CODE : SPNOPP1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01697 MATRIX : SOLID
SAHPLE ID CLIENT: **P24-S019A**

PARAHETER	RESULTS	Q	DET. LIHIT
Dimeton	ND		1000
Halathion	**ND**		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN **BLANK**
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE : SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID LAB : EE-91-01698 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240573

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01699 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Dcecton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.172

(ug/kg)

Parameter	E & E Laboratory No. 91-1590	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	1000	900	90
Parathion		ND	1000	1100	110

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.183

(ug/kg)

Parameter	E & E Laboratory No. 91-1690	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	1000	1100	110
Parathion		ND	1000	760	76

TEST CODE :SPNOPP1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Derneton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240581

TEST CODE :SPNOPP1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240582

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01514 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamy1	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01515 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S0018

PARAMETER	RESULTS	Q	DET. LIMIT
Oxanyl	ND		1000
Hethyoayl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240583

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01516 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S001C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01571 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240584

TEST CODE : SPNCRB1 JOB NUHBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01572 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002B

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01573 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S002C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240585

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : Uti-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01574 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S003A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT - : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01575 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240586

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01576 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S003C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Mcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
3 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01517 HATRIX : SOLID
SAHPLE ID CLIENT: P24-S004A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

240587

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01518 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01519 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S004C

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methyomy1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

240583

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01577 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomy1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environncnt, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01578 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005A DUP

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		lo00
Pluonturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240583

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01579 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	1200		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNCRB1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01580 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240590

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01581 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAXATES-LC UNITS : UG/KG
SAXPLE ID LAB : BE-91-01582 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Xcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240591

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01583 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006C

PARAHETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01584 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S006D

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240593

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01520 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

.....

QUALIFIERS: C = COHMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01521 HATRIX : SOLID
SAHPLE ID CLIENT: P24-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethyomy1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240593

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01522 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S007C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01585 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240594

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01586 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01587 MATRIX : SOLJD
SAMPLE ID CLIENT: P24-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240595

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01523 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01524 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxarnyl	ND		1000
Methyomy 1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240596

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01525 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01588 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethoayl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240597

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01589 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010A DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoacturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT - : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01590 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240598

TEST CODE : SPNCRB1 JOB NUMBER : 9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01591 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S010C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
flathomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoacturon	ND		1000
flcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01592 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011A

PARAMETER	RESULTS	Q	DET. LIXIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

240599

TEST CODE :SPNCRB1 JOB NUMBER :9100.172

Ecology and Environment, Inc.
Analytical Services Center

CLIENT UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01593 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoacturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.172 .

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01594 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluowturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240600

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01526 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT - : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01527 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamy1	ND		1000
Methyonyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240601

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01528 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO12C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01529 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluorturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240602

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01530 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	20000		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01531 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S013C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

.....

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240603

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01532 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO14A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomy1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUHBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01533 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyoayl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoaturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240604

TEST CODE :SPNCRB1 JOB NUMBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01534 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methyomy1	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNCRB1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01686 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = CON — ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240605

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01687 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : E€-91-01688 MATRIX : SOLID
SAWPLE ID CLIENT: P24-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxalyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Ilcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240606

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01689 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S016B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01690 MATRIX : SOLID
SAHPLE ID CLIENT: P24-S016C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240607

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01691 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoncturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and E: ronacnt, Inc.
Analytical Se: :es Center

CLIENT 'JH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01692 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S017B

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240608

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET VEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01693 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	ND		1000
Mcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01694 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hathiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240603

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01695 MATRIX : SOLID
SAMPLE ID CLIENT: P24-SO18C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNCRB1 JOB NUMBER : 9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01696 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S018D

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hcthiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240610

TEST CODE :SPNCRB1 JOB NUHBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01697 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01698 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240611

TEST CODE :SPNCRB1 JOB NUMBER :9100.183

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01699 MATRIX : SOLID
SAMPLE ID CLIENT: P24-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Methiocarb	ND		1000

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.164

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank 1	ND	50	47	94
	Blank 2	ND	50	50	100
	Blank 3	ND	50	56	110
	Blank 4	ND	50	42	84

240612

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.183

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank	ND	*50*	*46*	92

TEST CODE :SPNCRB1 JOB NUHBER :9100.164

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : METHOD BLANK MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethyomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluornturon	ND		1000
Hethiocarb	ND		1000

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240613

APPENDIX E

TEMPORARY MONITORING WELL GROUNDWATER SAMPLING ANALYTICAL SCREENING RBSULTS

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

Job No.: [illegible] Date: [illegible]

Report Title: [illegible]

Client: [illegible]

Laboratory Data Review	Supervisor	Date
Metals	[illegible]	[illegible]
Gen. Chem.	[illegible]	3-6-91
GC	[illegible]	3-6-91
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written byr	[illegible]	[illegible]
1st Draft ~~Reviewed by:~~	[illegible]	[illegible]
2nd Draft Reviewed by: (If needed)		
Final Review by Author:	[illegible]	[illegible]
ASC Manager:	[illegible]	[illegible]
QA Officer:		
Corp. Project Manager: (Internal Job)		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
____ Copies of Report Sent to:	[illegible]	[illegible]
____ Invoices Sent to Accounting	[illegible]	[illegible]

Comments/Notes: [illegible]

Copy Distribution: White - Report to Project file; Canary - Project Manager; Pink - Project File.

407064

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Hahn

DATE: February 25, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.187

CC: Lab File

Attached is the laboratory report of the analysis conducted on six samples received at the Analytical Services Center on January 25, 1991. Analysis was performed according to the screening procedures set forth in "Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida," July 1990.

All samples on which this report is based will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

GH/kr
Enclosure

240616

J-V ~ 7100.187
Sample Range 1730 → 1735

ecology and environment, inc.
388 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: UH6040
Project Name: NASP PHASE I A-E
Project Manager: J. Barksdale
Samplers: (Signatures) J. Fugitt, Mike Clark
Field Team Leader: J. Fugitt

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening PAHs	Carbohydrates	Organophosphorus pesticides	Herbicides & total PCBs	Screening metals	Oil screening	Screening VOCs	REMARKS
24 GW#18	1/24	1315		X		LOW	SITE 24, WELL 18	5	X	X	X	X	X	X	X	1/2 gallon amber:
24 GW#15	1/24	1350		X		↓	Site 24, WELL 15	5	↓	↓	↓	↓	↓	↓	↓	lot# X0218013
24 GW#15D	1/24	1350		X		↓ duplicate	Site 24, WELL 15 dup	5	↓	↓	↓	↓	↓	↓	↓	QC# X0711C
																liter amber:
																lot# 9223013
																QC# 3282C
																Polys:
																lot# 0304013
																QC# 0889C
																VOAs:
																lot# B0207033
																QC# B1219C

Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Ship Via
J. Fugitt	1/24/91 1700	FedEx				FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By (Signature)	Relinquished By: (Signature)	Date/Time:	Received By (Signature)	BL/Airbill Number: 8177520400
Relinquished By: (Signature) FedEx	Date/Time 0730 1-25-91	Received For Laboratory By (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By (Signature)	Date 1/24/91

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files
*See CONCENTRATION RANGE on back of form.

234055

Job # 9100.181
Sample RANGE 1730 - 1735

ecology and environment, inc.
388 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.	Project Name	Project Manager
UH6040	NASP PHASE I A-E	J. Barksdale

Samplers: (Signatures) J. Fugitt / Mike Clonts

Field Team Leader: J. Fugitt

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening PAHs	Carbonyls	Engine phosphorus	Pesticides & total PCBs	Screening metals	HCL screening VOCs	REMARKS
24	GW#A	1/23	1440		X		LOW	SITE 24, WELL 19	5	X	X	X	X	X	X	X	1/2 gallon amber: lot # A021813 QC# A0711C
24	GW#16	↓	1520		↓		↓	WELL 16	↓	↓	↓	↓	↓	↓	↓	↓	liter amber: lot # 9223013 QC# 3282C
24	GW#17	↓	1610		↓		↓	WELL 17	↓	↓	↓	↓	↓	↓	↓	↓	polys: lot # 0304013 QC# 0889C
																	VOAs: lot # B0207033 QC # B1219C

Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
J. Fugitt	1/24/91 1700	Fed Ex				FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 8177520396
Relinquished By: (Signature) Fed Ex	Date/Time 0830 1-25-91	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date: 1-24-91

Distribution: Original Accompanies Shipment, Copy to Coordinator Field Files
*See CONCENTRATION RANGE on back of form

2-14056

24061

JOB NUMBER : 9100.187

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1730.01	P24-GW015	WPNPRG1	01/24/91		01/29/91
1730.03	P24-GW015	WPNCRBl	01/24/91		02/16/91
		WPNOPPl	01/24/91		02/01/91
		WPNP&P1	01/24/91		02/01/91
		WPNPAH1	01/24/91		02/04/91
1730.04	P24-GW015	WPNTPHl	01/24/91		01/28/91
1730.05	P24-GW015	WPNMETl	01/24/91		01/29/91
1731.01	P24-GW015 DUP	WPNPRGl	01/24/91		01/29/91
1731.03	P24-GW015 DUP	WPNCRBl	01/24/91		02/16/91
		WPNOPPl	01/24/91		02/01/91
		WPNP&P1	01/24/91		02/01/91
		WPNPAH1	01/24/91		02/04/91
1731.04	P24-GW015 DUP	WPNTPHl	01/24/91		01/28/91
1731.05	P24-GW015 DUP	WPNMETl	01/24/91		01/29/91
1732.01	P24-GW016	WPNPRG1	01/23/91		01/29/91
1732.03	P24-GW016	WPNCRBl	01/23/91		02/16/91
		WPNOPP1	01/23/91		02/01/91
		WPNP&P1	01/23/91		02/01/91
		WPNPAHl	01/23/91		02/04/91
1732.04	P24-GW016	WPNTPHl	01/23/91		01/28/91
1732.05	P24-GW016	WPNMETl	01/23/91		01/29/91
1733.01	P24-GW017	WPNPRGl	01/23/91		01/29/91
1733.03	P24-GW017	WPNCRBl	01/23/91		02/16/91
		WPNOPPl	01/23/91		02/01/91
		WPNP&P1	01/23/91		02/01/91
		WPNPAH1	01/23/91		02/04/91
1733.04	P24-GW017	WPNTPHl	01/23/91		01/28/91
1733.05	P24-GW017	WPNMETl	01/23/91		01/29/91
1734.01	P24-GW018	WPNPRG1	01/24/91		01/29/91
1734.03	P24-GW018	WPNCRB1	01/24/91		02/16/91
		WPNOPPl	01/24/91		02/01/91
		WPNP&P1	01/24/91		02/01/91
		WPNPAHl	01/24/91		02/04/91
1734.04	P24-GW018	WPNTPHl	01/24/91		01/28/91
1734.05	P24-GW018	WPNMET1	01/24/91		01/29/91
1735.01	P24-GW019	WPNPRGl	01/23/91		01/29/91
1735.03	P24-GW019	WPNCRB1	01/23/91		02/16/91
		WPNOPP1	01/23/91		02/01/91
		WPNP&P1	01/23/91		02/01/91
		WPNPAHl	01/23/91		02/04/91
1735.04	P24-GW019	WPNTPHl	01/23/91		01/28/91
1735.05	P24-GW019	WPNMETl	01/23/91		01/29/91

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01730 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	790		10	UG/L
Zinc	35000		20	UG/L
Lead	710		40	UG/L
Cadmium	120		5.0	UG/L
Nickel	780		40	UG/L
Copper	320		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

240618

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01731 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	820		10	UG/L
Zinc	52000		20	UG/L
Lead	2000		40	UG/L
Cadmium	260		5.0	UG/L
Nickel	1100		40	UG/L
Copper	630		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	140		10	UG/L
Zinc	73		20	UG/L
Lead	130		40	UG/L
Cadmium	ND		5.0	UG/L
Nickel	ND		40	UG/L
Copper	77		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

240613

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01733 MATRIX : WATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		70	UG/L
Chromium	360		10	UG/L
Zinc	50000		20	UG/L
Lead	2600		40	UG/L
Cadmium	110		5.0	UG/L
Nickel	880		40	UG/L
Copper	860		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAHPLE ID LAB :EE-91-01734 MATRIX: WATER
SAHPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	430		10	UG/L
Zinc	880		20	UG/L
Lead	770		40	UG/L
Cadmium	36		5.0	UG/L
Nickel	5s		40	UG/L
Copper	360		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

240620

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01735 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW019

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	280		10	UG/L
Zinc	8000		20	UG/L
Lead	190		40	UG/L
Cadmium	310		5.0	UG/L
Nickel	180		40	UG/L
Copper	140		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF REPLICATE
ANALYSES OF WATER SAMPLES

9100.187

(ug/L)

Parameter	E & E Laboratory No. 91-1735	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Cadmium		310	300	3.3
Chromium		280	260	7.4
Copper		140	140	0.0
Lead		190	270	35
Nickel		180	170	5.7
Silver		ND	ND	NC
Zinc		8000	7800	2.5

ND = NOT DETECTED

NC = NOT CALCULABLE

240621

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.187

(ug/L)

Parameter	E & E Laboratory No. 91-1735	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	2000	1900	95 *
Cadmium		310	50	340	**
Chromium		280	100	350	71
Copper		140	250	360	88
Lead		1901	2000	2300	106 *
Nickel		180	400	540	90
Silver		ND	100	90	90
Zinc		8000	500	7800	**

ND = NOT DETECTED

* Value reflects post-spike analysis.

** Sample amount is four or more times greater than spike amount.

JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB METHOD BLANK MATRIX: VATER

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	ND		10	UG/L
Zinc	ND		20	UG/L
Lead	ND		40	UG/L
Cadmium	ND		5.0	UG/L
Nickel	ND		40	UG/L
Copper	ND		25	UG/L
Silver	ND		10	UG/L

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240622

TEST CODE :WPNTPH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/L
PARAMETER : TRPH

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01730			
P24-GW015	ND		1.0
EE-91-01731			
P24-GW015 DUP	1.4		1.0
EE-91-01732			
P24-GW016	1.2		1.0
EE-91-01733			
P24-GW017	ND		1.0
EE-91-01734			
P24-GW018	ND		1.0
EE-91-01735			
P24-GW019	ND		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

TEST CODB :WPNTPH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC TRPH UNITS : MG/L
PARAMETER : TRPE

SAMPLE ID	RESULTS	Q	DET. LIMIT
METHOD BLANK	ND		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT
NA = NOT APPLICABLE

240623

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01730 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane.	ND		10
1,1,1 - Trichloroethanc	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tctrachloroethene	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01731 MATRIX: VATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethene	ND		10
Hethylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethcne	ND		10
Tetrachloroethene	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240624

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tetrachloroethene	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01733 MATRIX: VATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Bthylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethcne	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichlorocthanc	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tetrachloroethene	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240625

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01734 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tetrachloroethene	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01735 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW019

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Bthylbenzenc	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichlorocthane	ND		10
Trichlorocthene	ND		10
Tetrachloroethene	17		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240626

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY AND RELATIVE PERCENT DIFFERENCE (RPD)
OF WATER MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)
(Sample # 1735)

9100.187

(ug/L)

Compound	Original Result	Amount Added	Amount Determined MS	Amount Determined HSD	Percent Recovery MS	Percent Recovery MSD	RPD
Benzene	<10	20.0	18.0		90		
Toluene	<10	20.0	18.5		93		
Ethyl Benzene	<10	20.0	19.0		95		
1,2-Dichlorobenzene	<10	20.0	18.7		94		
1,3-Dichlorobenzene	<10	20.0	19.2		96		
1,4-Dichlorobenzene	<10	20.0	19.5		98		
1,1-Dichloroethene	<10	20.0	21.2		106		
Methylene Chloride	<10	20.0	26.8		134		
Trans-1,2-Dichloroethene	<10	20.0	19.3		97		
1,1-Dichloroethane	<10	20.0	18.7		94		
1,1,1-Trichloroethane	<10	20.0	17.0		85		
1,2-Dichloroethane	<10	20.0	18.6		93		
Trichloroethene	<10	20.0	18.6		93		
Tetrachloroethene	17.0	20.0	38.9		195		

These recoveries and RPDs are within E & E, Inc. limits.

TEST CODE :WPNPRG1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIHIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,2 - Dichlorobenzene	ND		10
1,3 - Dichlorobenzene	ND		10
1,4 - Dichlorobenzene	ND		10
1,1 - Dichlorocthene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trichlorocthane	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tetrachloroethenc	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240627

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAHE : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01730 HATRIX : WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Scrvices Ccnter

CLIENT - : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PAE - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01731 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	PRESENT	L	100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240623

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIMIT

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAHE : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01733 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240629

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01734 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01735 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW019

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240630

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED WATER SAMPLES

9100.187

(ug)

Parameter	€ & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1733.03	ND	50	29	58

TEST CODE :WPNPAH1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIGNT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240631

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01730 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
494 - DDT	ND		5.0
Dieldrin / 494 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01731 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DUT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240632

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME- : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT
Ecptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
494 - DDT	ND		5.0
Dieldrin / 494 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAHE : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01733 MATRIX: VATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIHIT
Eeptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DDT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

OUALIPIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240633

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01734 MATRIX : WATER
SAMPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DDT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAHPLE ID LAB : EE-91-01735 MATRIX: VATER
SAMPLE ID CLIENT: P24-GW019

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DDT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

240634

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF WATER MATRIX SPIKE (MS)
(Sample # 1731)

9100.187

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	2	2.3	115
Heptachlor	ND	2	2.3	115
Aldrin	ND	2	2.2	110
Dieldrin	ND	5	6.9	138
Endrin	ND	5	6.6	132
4,4'-DDT	ND	5	5.2	104
AR1254	ND	5	4.82	96

TEST CODE :WPNP&P1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX: VATER

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DDT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240635

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01730 MATRIX : WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Halathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAHE : PNC 0-PROS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01731 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240636

TEST CODE :WPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX : WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Pluomcturon	ND		100
Methiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :VPNP&P1 JOB NUMBER :9100.089

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
4,4 - DDT	ND		5.0
Dieldrin / 4,4 - DDE	ND		5.0
Bndrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240637

TEST CODE : WPNCRB1 JOB NUMBER : 9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAHPLE ID LAB : EE-91-01735 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW019

PARAHETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	PRESENT	L	100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
Methiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED WATER SAMPLES

9100.187

		(ug)			
Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank	ND	50	41.9	84

240633

TEST CODE :WPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01733 HATRIX: WATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Hethomyl	PRESENT	L	100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Pluoaeturon	ND		100
Mcthiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :VPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01734 MATRIX: VATER
SAMPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	PRESENT	L	100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
Methiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240633

TEST CODE :WPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME· : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01731 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015 DUP

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
Methiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	PRESENT	L	100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
Hcthiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240640

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX : WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNCRB1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01730 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW015

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
Hethiocarb	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

240641

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01732 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW016

PARAMETER	RESULTS	Q	DET. LIMIT
Dimeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01733 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW017

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

240642

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01734 MATRIX: WATER
SAMPLE ID CLIENT: P24-GW018

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :WPNOPP1 JOB NUMBER :9100.187

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. WITS : UG/L
SAMPLE ID LAB : EE-91-01735 MATRIX : WATER
SAMPLE ID CLIENT: P24-GW019

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

24064.3