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CONTAMINATION ASSESSMENT/ REMEDIAL ACTIVITIES INVESTIGATION PESTICIDE RINSATE DISPOSAL AREA (SITE 15) NAVAL AIR STATION PENSACOLA PENSACOLA, FLORIDA

INTERIM DATA REPORT

October 1991

Contract N62467-88-C-0200

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19. ABSTRACT (CONT.)

soil and possibly groundwater contamination of limited extent and magnitude are present on and in the vicinity of the rite. Metals (particularly arsenic), total recoverable petroleum hydrocarbons, volatile organic compounds. polynuclear aromatic hydrocarbons, and pesticides are the primary contaminants. Limited additional assessment activities are required on and in the vicinity of Site 15.

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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.

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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 Pesticide Rinsate Disposal Area (Site 15), 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 15 includes three buildings (2692, 2640, and 747) as well as a 36-square-foot asphalt pad located within an unpaved portion of the golf course maintenance area. Pesticide storage, equipment cleaning, and rinsate disposal activities were formerly conducted at various locations on site. The objective of the Phase I investigation at Site 15 was to identify principal areas and primary contaminants of concern at the site and to provide recommendations for subsequent phases of investigation. 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 possibly groundwater contamination are present on and in the vicinity of Site 15. Eovever, the combined results of E & E's Phase I investigation and Geraghty and Miller, Inc.'s, (G & M's) 1984 and 1986 investigations indicate that Site 15 contamination is fairly limited with respect to lateral and vertical extent and concentration magnitude. Metals (particularly arsenic), total recoverable petroleum hydrocarbons (TRPHs), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and pesticides are the primary contaminants. 'Some of the detected contamination is clearly associated with past pesticide

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storage, equipment cleaning, and rinsate disposal activities at Site 15. However, additional sources of contamination are apparently iapacting the site.

Elevated concentrations of arsenic, TRPHs, and three VOCs (trans-1,2-dichlorethene; 1,1,1-trichloroethane; and possibly methylene chloride), as well as lov to trace levels of PAHs and trace levels of pesticides were detected in on-site soil samples. Chlordane, which had been detected at relatively high concentrations in the 1984 G 6 M soil suplcs, was not detected in any of the E 6 E Phase I screening samples. For the most part, arsenic, PAHs, and pesticides were detected in soil samples collected near the probable, historical, on-site source areas: the former outside pesticide storage area and the asphalt pad equipment cleaning and rinsate disposal area. The actual source(s) of the detected Site 15 VOC soil contamination is not known. The wide distribution of elevated soil TRPH concentrations suggests that an ambient source of this contaminant may be present in the site vicinity.

Metals concentrations, exceeding Florida groundwater standards, were widespread in groundwater samples, but this widespread occurrence probably reflects that the turbid groundwater samples were not filtered prior to acid preservation. However, the distribution of elevated total arsenic concentrations in the Site 15 groundwater samples strongly suggests that the former outside pesticide storage area represents a source of arsenic contamination of the aquifer matrix sediments if not a source of actual groundwater contamination. Dieldrin/4,4-DDE detected at trace levels in three of the temporary monitoring well samples was the only other groundwater contaminant of any significance at Site 15.

Limited additional assessment activities will be required at and in the vicinity of Site 15.

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1. INTRODUCTION

This Interim Data Report presents the findings of the Phase I investigation activities performed for the Pesticide Rinsate Disposal Area (Site 15), located at the Naval Air Station (NAS) in Pensacola, Escambia County, Florida (see figures 1-1 and 1-2). 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, vhich include the [June 1990] Project Management Plan, [June 1990) Site Management Plan, [July 1990] Generic Quality Assurance Project Plan (GQAPP), [July 1990] General Eealth and Safety Plan, and [June 1990] Contamination Assessment/Remedial Activities Investigation Work Plan--Group D with appended Site-Specific Eealth and Safety Plan and Site-Specific Quality Assurance Plan. [All references to these documents in this report apply only to the 1990 versions.]

The Pesticide Rinsate Disposal Area is located within the golf course maintenance area of NAS Pensacola, approximately 600 feet south of Bayou Grande (Figure 2-1). The site area is unpaved except for an asphalt wash pad that covers approximately 36 square feet. There are three buildings in the immediate site vicinity (buildings 2692, 2640, and 747) with access via an unpaved gravel road (see Figure 2-2). Potential contaminant source areas include: Building 2692 (former unpaved, indoor pesticide storage area); the former outside pesticide

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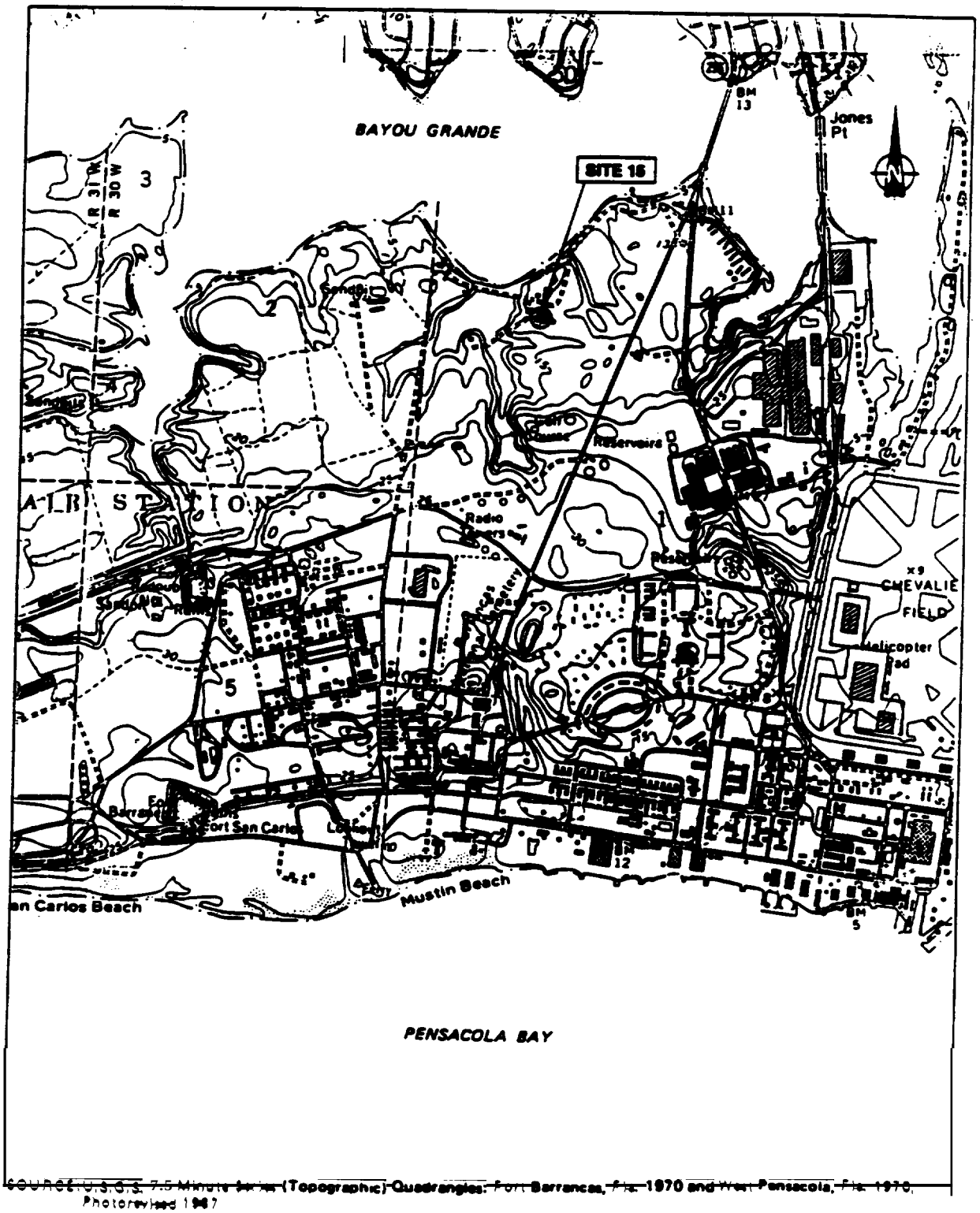

SOURCE: U.S.G.S. 7.5 Minute Series (Topographic) Quadrangles: Fort Barrancas, Fla. 1970 and West Pensacola, Fla. 1970, Photorevised 1987

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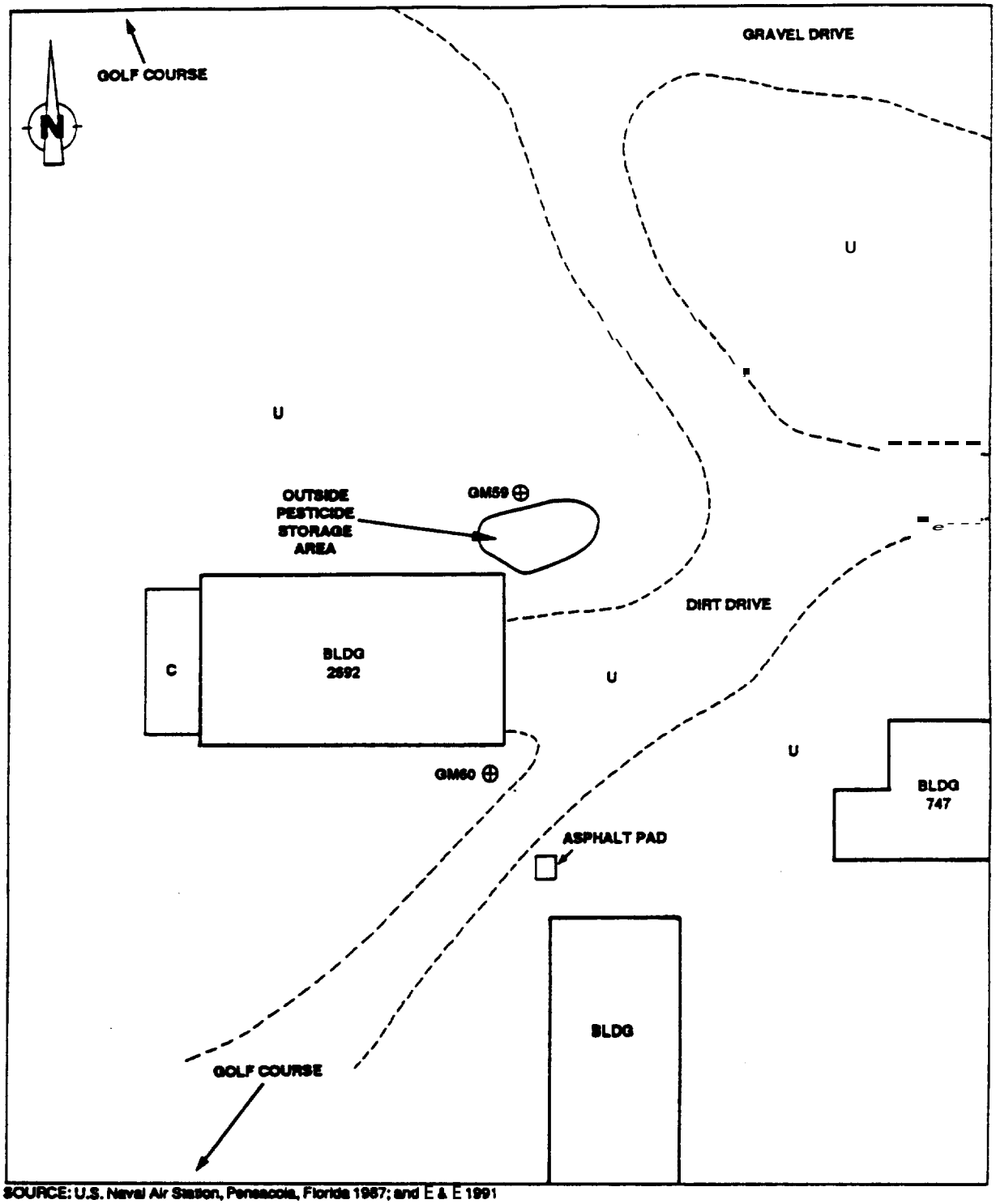
Figure 1-1 LOCATION MAP — NAS PENSACOLA SITE 15



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

SCALE

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KEY:

⊕	Existing Permanent Shallow Monitoring Well		Unpaved Road
GM59	Permanent Monitoring Well Number	C	Concrete Paved Area
BLDG 747	Building	U	Unpaved Area

Figure 1-2 SHE MAP — NAS PENSACOLA SITE 15

storage area (northeast of Building 2692); and the asphalt pad area (between buildings 2692 and 2640) formerly used for equipment cleaning 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 fieldwork included a site reconnaissance, habitat/biota survey, surface emissions survey and particulate air sampling, geophysical survey, utilities survey, and the collection and analysis of roil and groundvater samples. In addition, a hydrologic assessment, which included tbe determination of groundvater elevations, groundvater flow direction, and hydraulic gradient, vas performed at the site. The recommendations for additional work at this site are presented with this submittal under a separate cover.

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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 analyzed for 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 the site. Available aerial photographs and maps were used as guides in locating surface features. Visual inspections were made of surface conditions, vegetation, surface drainage patterns, and areas of exposed site debris. 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 15 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.

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Table 2-1

PHOTOGRAPHS USED IN THE AERIAL PHOTOGRAPH ANALYSIS
NAS PENSACOLA SITE 15

Source	Photograph/Map Number	Date	Scale
Florida Department of Transportation	PD-3886-12-03	10/26/89	1:24,000
	PO-3886-11-04	10/26/89	1:24,000
	PD-3618-12-03	11/21/06	1:24,000
	PD-3618-12-04	11/21/86	1:24,000
	PD-3109-12-03	9/22/83	1:24,000
	PD-3109-12-04	9/22/83	1:24,000
	PD-2684-11-04	3/9/81	1:24,000
	PD-2684-11-05	3/9/81	1:24,000
	PD-1088-11-03	4/28/76	1:24,000
	PO-1880-1144	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-868-4-08	4/6/70	1:24,000
	PD-868-4-10	4/6/70	1:24,000
	PD-616-8-04	3/25/68	1:24,000
	PD-616-8-05	3/25/68	1:24,000
	PD-285-6-05	10/8/64	1:12,000
	PD-285-7-03	10/8/64	1:12,000
	PNS-7054-2-1	10/12/61	1:24,000
	PNS-7054-3-1	10/12/61	1:24,000

14[NASP]UN6047:T0233/311/23

Source: Ecology and Environment, Inc., 1991.

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All findings of the physical reconnaissance were mapped in detail and recorded in the field logbook.

2.3 HABITAT/BIOTA SURVEY

A habitat/biota survey vas 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 BHISSIONS 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 in and around buildings 2692 and 2640 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 magnetometer survey was conducted at Site 15 around buildings 2692, 2640, and 747. The magnetometer survey was conducted using a Geometrics G-856AX 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 50-foot intervals. The grid system was referenced to an arbitrarily

selected origin point using a Brunton compass and tape measure. Grid points vere flagged and numbered as follows:

Grid X, N (or S) n_1, E (or W) n_2,

where:

X = Grid letter;

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

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

Figure 2-1 shovs the location of the origin point and survey grid system established across Site 15 and surrounding areas. The geophysical survey was performed in accordance with 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 othervise hinder fieldvork. The appropriate authorities (e.g., NAS Pensacola Public Works 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 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 with 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 was given primary consideration in the development of placement strategies for the Phase I temporary monitoring vells and soil borings. Prior to establishing the Phase I temporary monitoring well locations or other sampling points, the results of the aerial photograph

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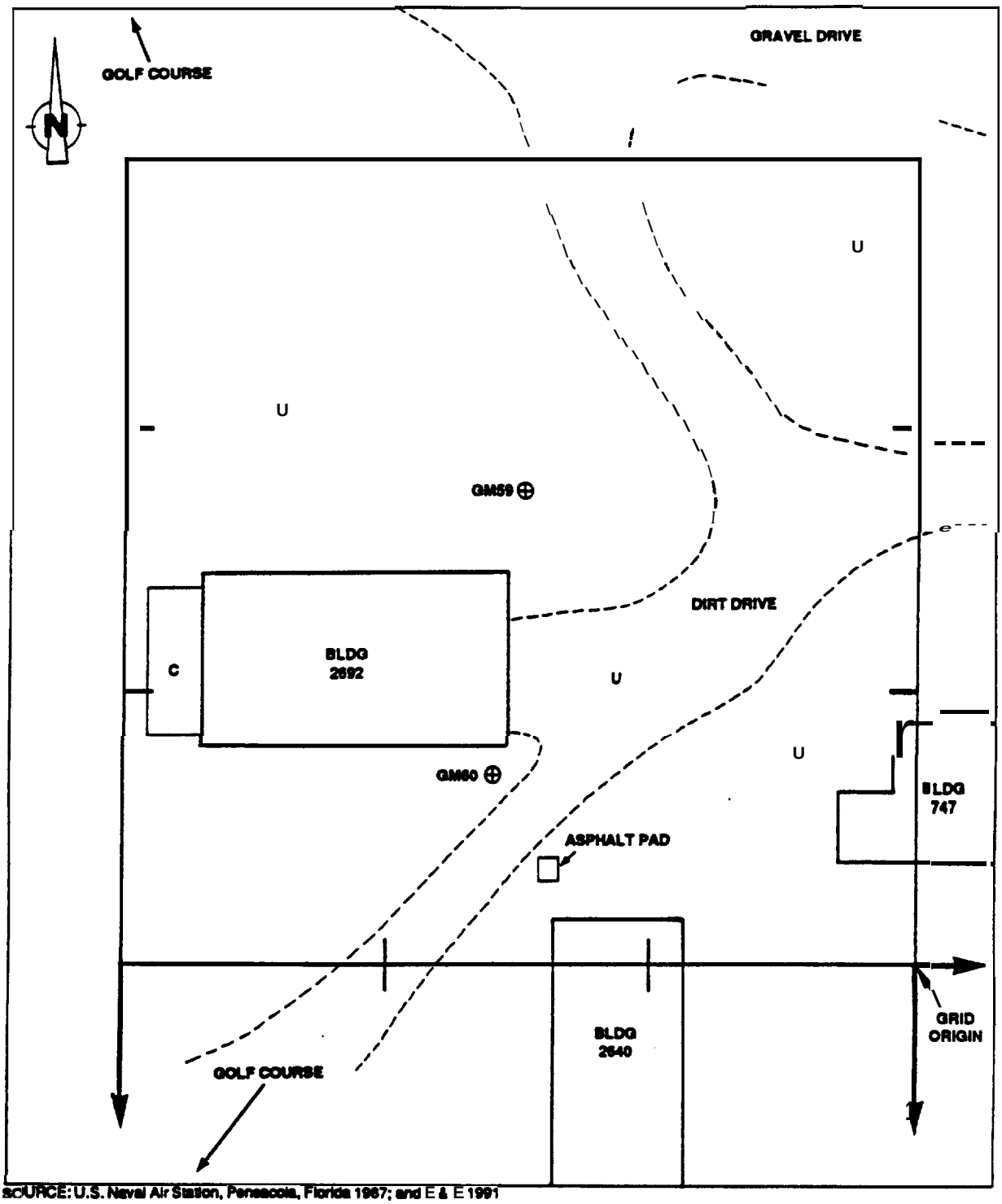

SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

0 50 100 FEET

KEY

BLDG 747	Building	C	Concrete Paved Area
	Unpaved Road	U	Unpaved Area
⊕	Existing Permanent Shallow Monitoring Well		Survey Grid Boundary

Figure 2-1 SURVEY GRID MAP — NAS PENSACOLA **SITE** 15

analysis, site reconnaissance, surface emissions 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 proposed Phase I temporary monitoring well locations or soil sampling points, shown on Figure 14-1 of the vork plan, vere necessary.

2.8 SOIL BORINGS AND TEMPORARY MONITORING WELL INSTALLATION

A total of 28 soil borings were completed at Site 15 (see Figure 2-2). At each boring location, samples were collected by compositing soils over discrete depth intervals. At 16 of the boring locations, samples vere collected, wing solid-stem augers powered by a drill rig, at 5-foot depth intervals from land surface to the water table. At nine of the boring locations (14, 15, 16, 19, 20, 22, 23, 26, and 27), the sampling protocol was the same, except that the initial sample vas collected from land surface to a depth of only 4 feet belw land surface (BLSJ. Samples from the three soil borings completed inside Building 2692 vere collected, wing hand-operated bucket augers, at 5-foot depth intervals from land surface to the water table. Each sampling depth interval was assigned a letter designation as follws: 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 water table. Boring depths ranged from 12.5 to 14.5 feet BLS.

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

Temporary stainless-steel monitoring wells vere installed in 10 of the above borings (see Figure 2-2). Each well was constructed vith 5 feet of 0.01-inch slotted screen and installed to a depth that allowed the well screen to bracket the water table. All equipment decontamination activities vere performed in accordance vith Section 6.10 of the CQAPP.

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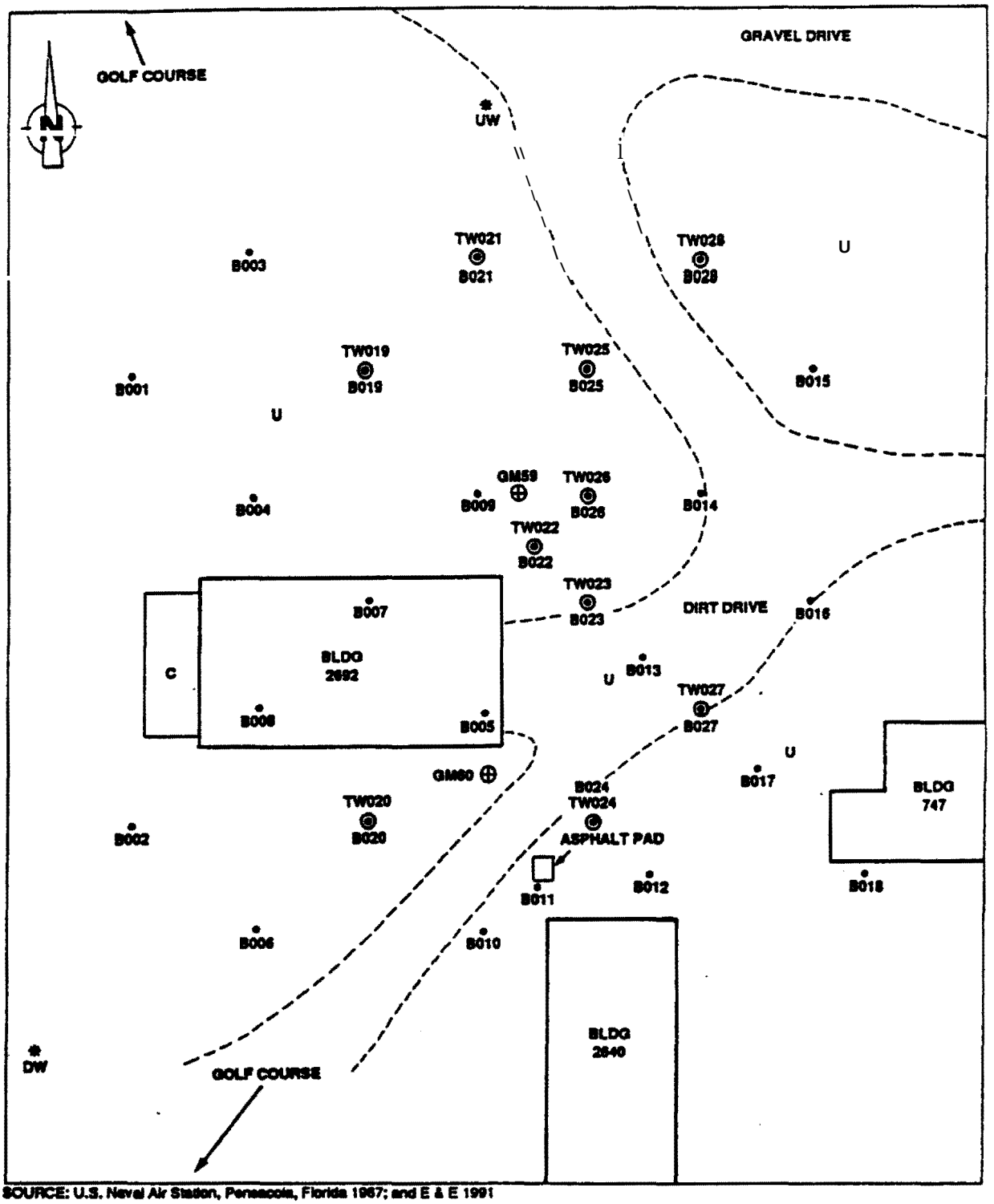

SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

0 50 100 FEET

KEY:

BLDG 747	Building	○	Temporary Monitoring Well	✱	Particulate Air Sampling Location
	Unpaved Road	•	Soil Boring	DW/UW	Downwind/Upwind
⊕	Existing Permanent Shallow Monitoring Well	TW019	Temporary Monitoring Well Number		
C	Concrete Paved Area	B019	Soil Boring Number		
U	Unpaved Area				

Figure 2-2 PARTICULATE AIR SAMPLING, SOIL BORING, AND TEMPORARY MONITORING WELL LOCATIONS — NAS PENSACOLA SITE 15

2.9 SOIL SAMPLING

A total of 84 soil samples, plus four duplicate samples, vere collected as described in Section 2.8. All soil samples vere shipped to E & E's Analytical Services Center (ASC) in Buffalo, Nev York, and analyzed for the screening parameters listed in Table 2-2.

2.10 GROUNDWATER SAMPLING

2.10.1 Temporary Monitoring Wells

A total of 10 groundwater samples, plus two duplicate samples, vere collected from the 10 temporary monitoring vells shown on Figure 2-2. Weather conditions; vater levels: purge volumes; and groundvater pH, specific conductance, and temperature measurements vere recorded in the field logbook prior to sampling. In addition, prior to purging, each vell vas *checked* for the presence of floating and/or sinking immiscible hydrocarbons using an MMC International oil-water interface probe. Each groundvater sample vas collected immediately folloving vell purging. All vell purging and sampling activities vere performed in accordance vith sections 6.8 and 6.11 of the GQAPP. Equipment decontamination vas performed in accordance vith Section 6.10 of the GQAPP. All of the groundvater samples collected from the temporary monitoring vells vere shipped to E & E's ASC and analyzed for the screening parameters listed in Table 2-2.

2.10.2 Existing Permanent Monitoring Wells

Two groundwater samples vere collected from the two existing permanent monitoring wells located on Site 15 (see Figure 2-2). Weather conditions; vatrr levels; purge volumes; and groundvater pH, specific conductance, and temperature measurements vere recorded in the field logbook prior to sampling. Each groundvater sample was collected immediately folloving vell purging. All vell purging and sampling activities vere performed in accordance vith sections 6.8 and 6.11 of the GQAPP. Equipment decontamination vas performed in accordance vith Section 6.10 of the GQAPP. All the groundvater samples collected from the existing vells were shipped to E & E's ASC and analyzed according to U.S. Environmental Protection Agency (EPA) Contract Laboratory Program

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

Table 2-2

SAMPLING AND ANALYTICAL SUMMARY
NAS PENSACOLA SITE 15

Medium	No. of Samples	Duplicates	Total	Analytical Suite[a,b]
Soil	84	4	88	A
Groundwater[d]	10	2	12	A

Medium	No. of Samples	Dupli-cates	Trip Blanks	Field Blanks	Rinsate Blanks	Preservative Blanks[g]	Total	Analytical Suite[a,c]
Groundwater[e]	2	1	1	1	1	1	7	B

[NASP]UH6047:T0233/294/10

Key:

[a]Analytical suite designations are as follows:

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

B = Target Compound List (TCL) VOCs plus xylene and ketones (EPA 8240), TCL base/neutral and acid extractable organic compounds (BNAs; EPA 8270), TCL pesticides and PCBs (EPA 8080), TRPHs (EPA 418.1), [Target **Analyte** List (**TAL**)] metals (total [i.e., unfiltered] and dissolved [i.e., millipore-filtered]) (EPA 6010/7060/7421/7471/7740/7841), cyanide (EPA 9010), total organic carbon (EPA 415.1), hardness (water only) (EPA 130.2), and alkalinity (water only) (EPA 310.1).

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

[c]Specific constituents encompassed by tho various chemical groups included vithin analytical suite B are identified in tables 9-5 through 9-13 of tho GQAPP.

[d]Groundwater samples and analyses shown are for temporary wells only.

[e]Groundwater samples and analyses shown are for existing permanent wells only.

[f]Trip blanks analyzed for TCL VOCs only.

[g]Preservative blanks analyzed for TCL VOCs, TRPHs, total [TAL] metals, and cyanide.

Source: Ecology and Cnvironnnt. Inc., 1991.

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(CLP) protocol for the (Target Analyte List (TAL),] Target Compound List (TCL), and other parameters listed in Table 2-2.

2.11 HYDROLOGIC ASSESSMENT

The hydrologic assessment of the site included determination of water level elevations in both the existing permanent monitoring vells and the temporary monitoring vells.

Wellhead top-of-curing (TOC) elevations and static water levels measured in the tvo existing permanent vells vere referenced directly to an established benchmark. Static water levels in the permanent monitoring wells vere measured on February 26, 1991.

Wellhead TOC elevations for the temporary monitoring vells 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 vellhead TOC over a two-day period (January 25 and 26, 1991). Following groundvater sampling and removal of the temporary monitoring vells, the elevations of the driven reference stakes vere surveyed using a transit vith reference to the previously established elevations at permanent monitoring vells GM59 and GM60.

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 vere prepared for all samples collected at Site 15 during the Phase I investigation, according to the procedures described in Section 6.12 of the GQAPP. Chain-of-custody was maintained for all samples collected, packaged, and shipped to E & E's ASC for analysis. Sample management was performed as specified in Section 7 of the GQAPP. The field QA/QC samples and corresponding analytical parameters are listed in Table 2-2.

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2.12.2 Decontamination Procedures

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

2.13 INVESTIGATION-DERIVED WASTE

Excess soil material generated during soil boring and temporary monitoring well installation activities was 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 was placed in 55-gallon drums, sealed, 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 water generated during purging of the existing permanent monitoring wells was placed in 55-gallon drums, sealed, 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 water generated during development and purging of the temporary monitoring wells was temporarily contained adjacent to the well and then poured back into the well following collection of samples.

Potentially contaminated clothing and disposable materials, wastes generated during decontamination activities, and other potentially contaminated, investigation-derived materials were placed in 55-gallon drums, labeled, and moved to a central area on the site. These drums were sealed and labeled "trash." All drummed investigation-derived materials were subsequently picked up and disposed of by NAS Pensacola.

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

3. RESULTS

3.1 AERIAL PHOTOGRAPH AND EXISTING DATA ANALYSIS

Review of the October 12, 1961, aerial photograph indicated that Site 15 appeared then much as it appears at present. Buildings 2640 and 747 had been constructed at the time of the photograph; however, Building 2692 was not yet present. North of buildings 2640 and 747, barren soils and a few large trees were noted. The remaining site area appeared to be covered with low-lying vegetation.

Review of the October 8, 1964, aerial photograph revealed the addition of Building 2692, located northwest of Building 2640. Review of the March 25, 1968; April 6, 1970; Hay 4, 1973; April 28, 1976; Harch 9, 1981; September 22, 1983; and November 21, 1986, aerial photographs revealed no significant changes. An unpaved road or pathway, located between buildings 2692 and 2640 and trending in a southwest-northeast direction, first appears in the October 26, 1989, aerial photograph.

No potential sources of contamination in the vicinity of Site 15 were observed on any of the available aerial photographs. In addition, no obvious visual evidence of stressed vegetation or staining were noted.

3.2 SITE RECONNAISSANCE

During the site reconnaissance, visual inspections were made in and around buildings 2692, 2640, and 747. Buildings 2692 and 2640 are currently used for storage of maintenance equipment; Building 747 apparently functions as an office/supply storage area. Building 2692 currently [has] a concrete [slab floor) that extends outside the western edge of the building (see Figure 1-2). However, [during B & E's initial site visit in 1989,] the floor of this building [vas observed to be] unpaved [(i.e., having a dirt/soil floor with no concrete slab).

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

Discussions vitb NAS personnel working in the site area during the site reconnaissance confirmed that tbe floor of Building 2692 had **been paved recently.]** Building *747* also has a concrete floor, but Building 2640 **has** an unpaved **[(i.e., soil)]** floor. There are tvo permanent monitoring vells located on site: well **GM59,** located northeast of Building *2692,* and well GM60, located near the southeast corner of Building *2692. An* asphalt pad is located southeast of Building *2692* and northvest of Building *2640* (see Figure 1-2).

Site 15 is generally flat, and no distinct surface runoff routes **were** observed. Hovever, rainvater vas observed ponding in the dirt road area northeast of Building *2692,* **where** heavy vehicle traffic has created ruts in the surface (see Figure 1-2).

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

3.3 HABITAT/BIOTA SURVEY

The vegetation in the immediate vicinity of Site 15 consists primarily of grass species; sand pine scrub communities are located in adjacent wooded habitats. **Many** species of birds, including mockingbird, cardinal, bluejay, Carolina chickadee, **Mississippi** kite, golden-crovned kinglet, and ruby-crovned kinglet, utilize the wooded habitats adjacent to the site (see Appendix A). Typical biota include frogs, toads, lizards, snakes, rabbits, raccoons, and other small mammals that may use the site and adjacent habitats for feeding, nesting, or as a migration corridor. 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 vaste vere observed on site. No aquatic habitats are associated vith Site 15.

3.4 SURFACE EMISSIONS SURVEY AND PARTICULATE AIR SAMPLING

An OVA **was** used to monitor surface emissions across Site 15. No readings above background vere recorded; background readings **were** recorded in the field logbook (see Appendix B).

On November 14, 1990, a Mini-Ram particulate air monitoring device vas **used** to determine if Site 15 could represent a source of particulates in the air. During the test, the vind vas bloving from the north-

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northeast at approximately 3 miles per hour (mph). The Mini-Ram was placed upwind approximately 100 feet north of Building 2692 and south of the unpaved road that separates Site 15 from the golf course (see Figure [2-2]). After 15 minutes, the time weighted average (TWA) of particulates was 0.10 milligrams per cubic meter (mg/m^3). The Mini-Ram was then placed directly downwind and approximately 200 feet southwest of the upwind station [(see Figure 2-2)]. After a period of 15 minutes, the TWA was recorded as 0.08 mg/m^3. Based on these results, Site 15 does not appear to be a significant source of particulates.

3.5 GEOPHYSICAL SURVEY

The magnetometer survey did not reveal the presence of any buried ferrometallic objects or debris that might have been associated with past site activities. Appendix B presents the grid coordinates and magnetometer readings for Site 15. Figure 3-1 shows the contoured total magnetic field values (in units of gammas x 100) across the site area. A strong, positive magnetic anomaly is located in the area of Building 2692; weaker negative anomalies are located east and west of the building. These anomalies are apparently associated with the metal structure and siding of Building 2692, the reinforced concrete pad adjacent to this building, and other metal equipment located on the surface of the site near the building, rather than with the presence of buried metal objects.

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 15 can be generally characterized as a yellow to yellow-tan to white, fine- to medium-grained quartz sand that becomes a yellow to tan to white, medium-grained quartz sand near the water table. Appendix C presents the lithologic logs for the 28 soil borings completed at Site 15.

[OVA readings taken in the open boreholes during drilling ranged from 0 to 780 ppm. The OVA readings for the boreholes are presented in Appendix C.]

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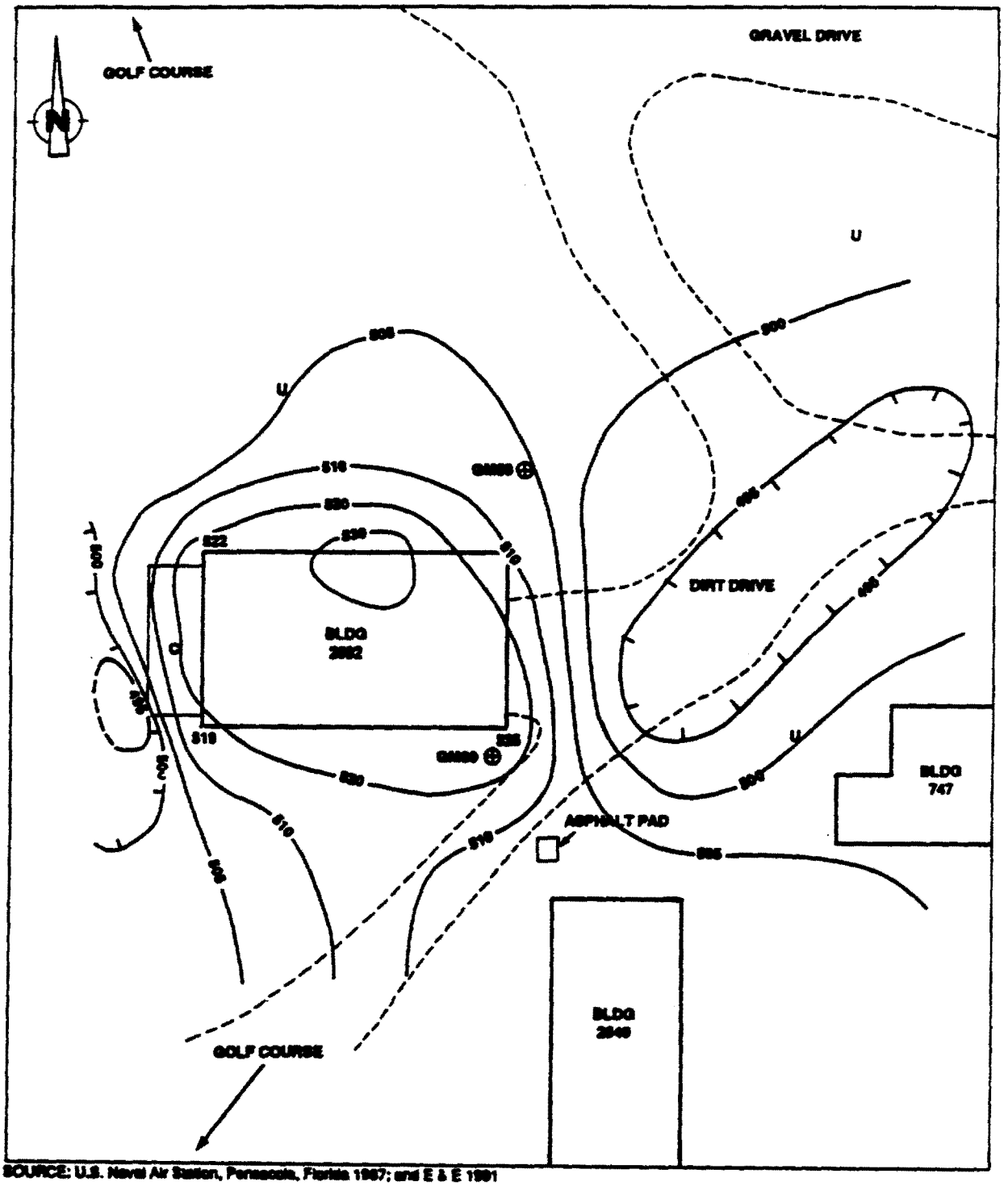

SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

0 50 100 FEET

KEY:

- BLDG 747 — Building
- Unpaved Road
- Existing Permanent Shallow Monitoring Well
- C — Concrete Paved Area
- U — Unpaved Area
- Total Magnetic Field Isopleth (gammas x100)
- Area of Lower Total Magnetic Field Values

Figure 3-1 MAGNETOMETER SURVEY, TOTAL MAGNETIC FIELD — NAS PENSACOLA SITE 15

3.6.2 Water Levels and Groundvater Flow

Tables 3-1 and 3-2 list the water level elevations measured in the temporary and permanent monitoring wells, respectively, at Site 15. Based on the measurements taken from the soil borings, temporary wells, and permanent wells, the depth to the water table across the site is approximately 12 feet BLS.

Figure 3-2 illustrates the temporary well water level elevations (January 25 and 26, 1991) and the corresponding groundwater flow direction in the upper portion of the surficial zone of the Sand-and-Gravel Aquifer at Site 15. Based on the temporary well groundwater elevations, the direction of shallow groundwater flow is to the northwest, and the horizontal hydraulic gradient is approximately 0.009. The direction of shallow groundwater flow is probably controlled by groundwater discharge into Bayou Grande located approximately 750 feet northwest. Groundwater elevations measured in permanent wells GM59 and GM60 on February 26, 1991, were slightly higher (see tables 3-1 and 3-2), but were also consistent with a northwestward flow direction.

3.7 CHEMICAL ANALYSBS

[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 3-3 summarizes the analytical screening results for soil samples collected at Site 15. Figure 2-2 shows the boring locations at Site 15. 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 15 exhibited elevated levels of metals, total recoverable petroleum hydrocarbons (TRPHs), and/or volatile organic compounds (VOCs). Trace to low levels of polynuclear aromatic hydrocarbons (PAHs) and trace levels of pesticides were detected in only a few samples. Phenols and polychlorinated biphenyls (PCBs) were not detected in any of the soil samples.

Table 3-1

TEMPORARY MONITORING WELL CONSTRUCTION INFORMATION
AND WATER LEVEL ELEVATIONS
NAS PENSACOLA SITE 15

Well Number	Total Depth (BLS)	Depth to Water (BLS)	Depth to Water BTOC	TOC Elevation	Water Level Elevation	Date Measured
TWO19	16.57	12.47	15.9	19.72	3.82	1/2 5/91
Two20	16.04	12.20	16.16	20.61	4.45	1/25/91
TW021	16.83	12.60	15.77	19.64	3.87	1/25/91
TWO22	15.9	12.10	16.2	20.41	4.21	1/25/91
Two23	15.7	11.86	16.16	20.44	4.28	1/25/91
TW014	16.56	11.77	15.21	19.91	4.70	1/26/91
TW025	16.72	11.82	15.1	19.25	4.15	1/26/91
TW026	15.65	12.08	16.43	20.73	4.10	1/26/91
TW027	15.52	11.55	16.03	20.72	4.69	1/26/91
TWO28	16.57	11.83	15.26	19.43	4.17	1/26/91

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Notes:

All depths are in feet.
All elevations are in root referenced to mean sea level (MSL).
All wells were constructed of a-inah diameter stainless stool with 5 feet of 0.01-inch screen.

Key:

BLS = Below land surface.
TOC = to9 of casing.
BTOC = Below top of casing.

Source: Ecology and Environment, Inc., 1991.

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Table 3-2

PERMANENT MONITORING WELL CONSTRUCTION INFORMATION AND WATER LEVEL ELEVATIONS NAS PENSACOLA SITE 15

Well Number	Total Depth (BLS)	Depth to Water (BLS)	Depth to Water BTOC	TOC Elevation	Water Level Elevation	Date Measured
GM59	17.0	11.25	11.79	16.54	4.75	2/26/91
GM60	15.0	9.84	12.35	11.56	5.21	2/26/91

14[NASP]UH6047:T0233/365/22

Notes:

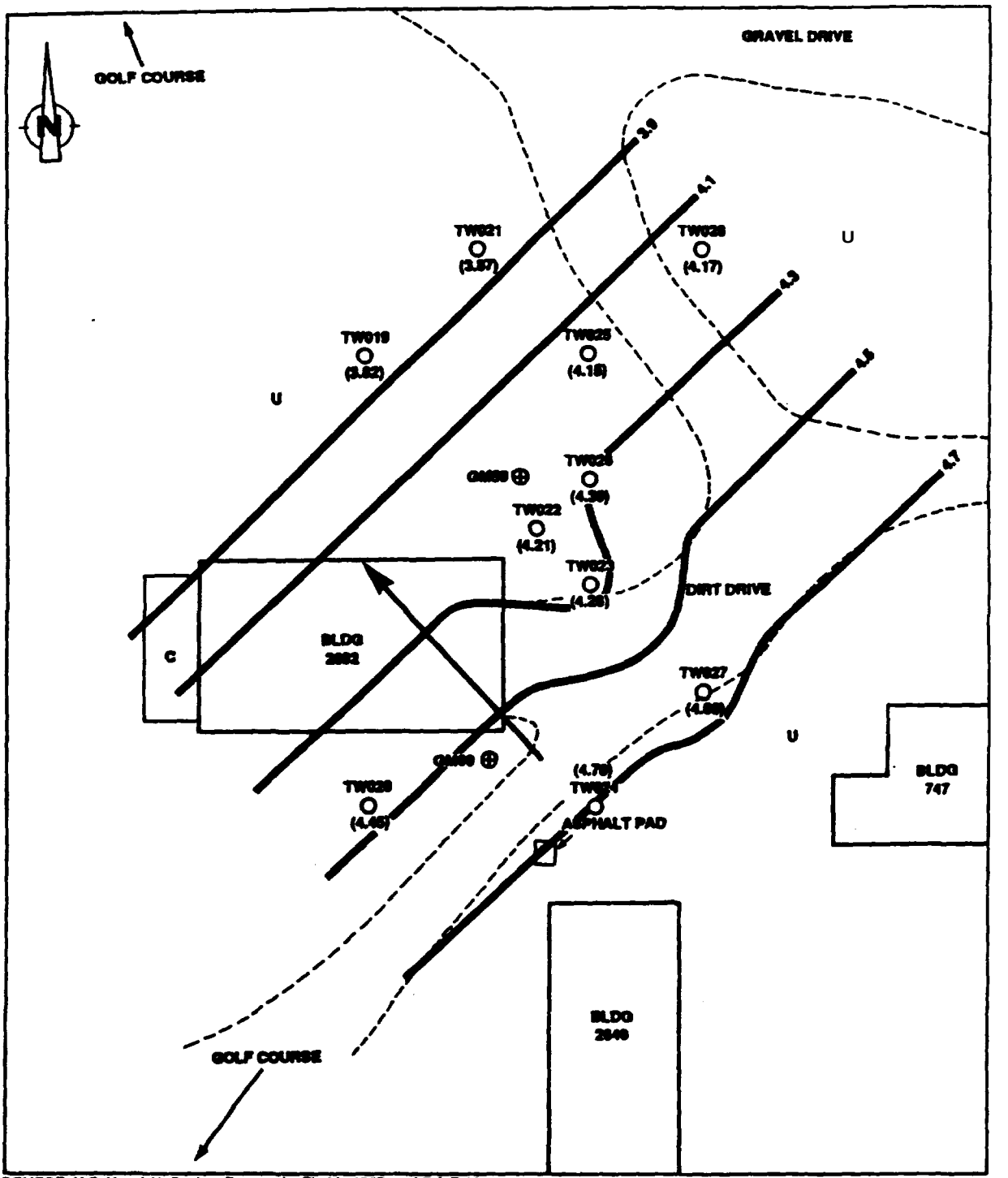
All depths are in foot.
All elevations are in foot referenced to moan sea level (MSL).
All wells were constructed of 2-inch diameter PVC with 2.5 foot of 0.01-inch screen.

Key:

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

Source: Ecology and Environment, Inc., 1991.

[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 50 100 FEET

KEY:

BLDG 747	Building	O	Temporary Monitoring Well
	Unpaved Road	(4.48)	Water Level Elevation (Feet Above MSL)
⊕	Existing Permanent Shallow Monitoring Well	4.6	Water Level Elevation Isopleth (Feet Above MSL)
C	Concrete Paved Area	←	Groundwater Flow Direction
U	Unpaved Area		

Figure 3-2 SURFICIAL ZONE WATER LEVEL ELEVATIONS NAS PENSACOLA SITE 15

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Table 3–3

SUMMARY ANALYTICAL SCREENING RESULTS FOR SOIL SAMPLES
NAS PENSACOLA SITE 15
(All results in µg/kg, unless noted)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P15S001A (B001A)	P15S001B (B001B)	P15S001C (B001C)	P15S002A (B002A)	P15S002B (B002B)	P15S002C (B002C)	P15S003A (B003A)	P15S003B (B003B)	P15S003C (B003C)
Arsonic (mg/kg)	7	--●	--●	--●	--	--	--	--●	--●	--●
Chromium (mg/kg)	1	8.5	1.6	--	1.5	1.4	1.1	5.9	2.0	1.3
Zinc (mg/kg)	2	7.2	2.6	4.4	2.8	--	--	2.3	2.8	--
Load (mg/kg)	4	6.2	4.1	--	--	--	--	5.1	--	12
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	40	--	69	--	10	9.8	--	--	6.2
Toluene	1,000	1,000	--	1,000	--	--	--	--	1,000	1,100
Methylene Chloride	1,000	2,300(B)	3,000(B)	3,300(B)	--	--	1,500	3,900(B)	5,000(B)	3,100(B)
Trans-1.2-Dichloroothono	1,000	--	--	--	6,800	9,000	3,800	--	--	--
1,1,1-Trichloroethane	1,000	--	--	--	1,300	2,000	1,700	--	--	--
PAHs as benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	--	--	--	--	--	--

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

Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval) P15S004A (B004A)	P15S004B (B004B)	P15S004C (B004C)	P15S005A (B005A)	P15S005B (00051)	P15S005C (B005C)	P15S006A (B006A)	P15S006B (B006B)	P15S006C (B006C)
Arsonic (mg/kg)	7	—●	—o	—●	—●	—●	—o	—	—	—
chromium (mg/kg)	1	3.1	—	2.0	1.8	1.4	1.2	1.8	1.2	1.3
Zinc (mg/kg)	2	4.6	2.3	2.7	2.7	2.8	6.2	2.7	—	—
Lead (mg/kg)	4	8.6	—	—	—	—	—	—	—	—
Cadmium (mg/kg)	0.5	—	—	—	0.76	—	—	—	—	—
TRPHs (mg/kg)	5	—	—	—	19	19	21	14	48	13
Toluene	1,000	1,100	1,Z00	1,100	—	—	—	—	—	—
Methylene Chloride	1,000	3,300(B)	3,000(I)	2,700(B)	—	2,500(B)	1,400 (I)	—	—	—
Trans-1,2-Dichloroethene	1,000	—	—	—	—	—	—	—	5,600	—
1,1,1-Trichloroethane	1,000	—	—	—	—	—		1,400	1,400	1,300
PAHs as benzo-a-pyrene	1,000	—	—	—	—	—	—	—	—	—
4,4-DDT		—	—	—	—	—	—	—	—	—
Dieldrin/4,4-DDE	1,000]	—	—	—	—	—	—	(L)	—	—

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Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval) P15S007A (B007A)	P15S007B (B007B)	P15S007C (B007C)	P15S008A (B008A)	P15S008B (B008B)	P15S008C (B008C)	P15S009A (B009A)	P15S009B (B009B)	P15S009C (B009C)
Arsonic (mg/kg)			--[a]	--[o]	--[●]	--[●]	--[●]	--[e]	--[●]	--[●]
Chromium (mg/kg)	1	2.1	1.6	1.3	3.1	5.7	2.5	1.7	1.3	1.3
Zinc (mg/kg)	2	4.3	3.1	3.2	4.3	5.3	14	2.3	--	--
Lead (mg/kg)	4	--	--	--	--	--	--	--	--	--
Cadmium (mg/kg)	0.5	0.94	--	0.55	0.63	1.0	--	--	--	--
TRPHs (mg/kg)	5	32	44	39	22	9.6	18	--	6.0	--
Toluene	1,000	--	--	--	--	--	--	1,300	1,200	1,200
Methylene Chloride	1,000	4,300(B)	1,800(B)	1,300(B)	1,900(B)	3,500(B)	5,400(B)	2,900(B)	1,600 B)	1,600(B)
Trans-1,2-Dichloroethene	1,000	--	--	--	--	--	--	--	--	--
1,1-Trichloroethane	1,000	--	--	--	--	--	--	--	--	--
PAHs as benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	(L)	(L)	(L)	--	--	--

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Table 3-3 (cut.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P15S010A (B010A)	P15S010B (B010B)	P15S010C (B010C)	P15S011A (B011A)	P15S011B (B011B)	P15S011C (B011C)	P15S012A (B012A)	P15S012B (B012B)	P15S012C (B012C)
Arsenic (mg/kg)	7	—	—	—	—	—	—	—	—	—
Chromium (mg/kg)	1	2.3	1.3	1.2	1.9	1.6	1.8	2.7	1.3	2.0
Zinc (mg/kg)	2	7.3	4.9	2.2	3.7	4.7	2.8	3.4	—	5.0
Lead (mg/kg)	4	—	—	—	—	—	—	—	—	—
Cadmium (mg/kg)	0.5	—	—	—	—	—	—	—	—	—
TRPHs (mg/kg)	5	11	13	9.2	16	17	46	53	29	110
Toluene	1,000	—	—	—	1,500	1,500	1 500	—	—	—
Methylene Chloride	1,000	—	—	—	—	—		—	—	—
Trans-1,2-Dichloroethene	1,000	3,800	—	—	3,600	—	a 600	—	—	—
1,1,1-Trichloroethane	1,000	—	1,100	—	—	—	—	—	—	—
PAHs as benzo-a-pyrene	1,000	—	—	—	—	—	—	(L)	—	—
4,4-00?		—	—	—	—	—	—	(L)	—	—
Dieldrin/4,4-DDE	1,000]	—	—	—	—	—	—	(L)	—	—

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Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P15S013A (B013A)	P15S013B (B013B)	P15S013C (B013C)	P15S014A (B014A)	P15S014B (B014B)	P15S014C (B014C)	P15S015A (B015A)	P15S015B (B015B)	P15S015C (B015C)
Arsenic (mg/kg)	7	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
chromium (mg/kg)	1	1.9	2.2	2.0	1.9	1.2	1.9	1.6	--	1.3
Zinc (mg/kg)	2	5.6	--	--	3.5	--	--	--	--	2.4
Load (mg/kg)	4	--	--	--	--	--	--	--	--	--
Cadmium (mg/kg)	0.5	0.54	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	--	--	--	36	--	--	--	--	--
Toluene	1.000	1,200	1,200	1,Z00	1,200	1,200	1,Z00	1,100	1,200	1,000
Methylene Chloride	1,000	1,600(B)	1,800(B)	1,300(B)	1,500(B)	1,600(B)	1,700(B)	1,600(B)	1,600 B)	1,900(B)
Trans-1.2-Dichloroothono	1,000	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1,000	--	--	--	--	--	--	--	--	--
PAHs as benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0233/226/2

Key at end of table.

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

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Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P15S016A (B016A)	P15S016B (B016B)	P15S016C (B016C)	P15S017A (B017A)	P15S017B (B017B)	P15S017C (B017C)	P15S018A (B018A)	P15S018B (B018B)	P15S018C (B018C)
Arsenic (mg/kg)	7	--[a]	--[b]	--[b]	--[b]	--[b]	--[b]	--	--	--
Chromium (mg/kg)	1	2.0	1.6	1.2	2.0	1.5	1.4	1.7	1.7	1.4
Zinc (mg/kg)	2	3.0	2.0	--	2.5	--	--	2.3	--	55
Lead (mg/kg)	4	--	--	--	--	--	--	5.2	--	5.8
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	100	--	--	12	--	--	36	25	95
Toluene	1,000	1,000	--	1,100	--	1,200	1,200	--	--	--
Methylene Chloride	1,000	2,200 (B)	2,300(B)	2,900(B)	2,500(B)	3,500(B)	3,100(B)	--	--	--
Trans-1,2-Dichloroethene	1,000	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1,000	--	--	--	--	--	--	--	--	--
PAHs am benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0233/226/2

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

Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)							
		P15S019A (B019A)	P15S019B (B019B)	P15S019C (B019C)	P15S020A (B020A)	P15S020B (80201))	P15S020C (B020C)	P15S021A (B021A)	P15S021AD[a] (B021A)
Arsonic (mg/kg)	7	--	--	18	--	--	--	--	--
Chromium (mg/kg)	1	2.7	1.7	1.3	2.2	1.5	1.1	4.2	20
Zinc (mg/kg)	2	3.7	2.9	2.7	2.7	--	2.3	16	4.8
Lead (mg/kg)	4	--	--	--	--	--	--	--	4.6
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	--	5.6	--	--	27	--	--	--
Toluene	1,000	--	--	--	--	--	--	--	--
Methylene Chloride	1,000	--	3,500	3,700	4,100	8,200	7,500	8,900	8,500
Trans-1,2-Dichloroethene	1,000	1,200	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1,000	--	--	--	--	--	--	--	--
PAHs as benzo-a-pyrene	I,000	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0233/226/2

Key at end of table.

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

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Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)							
		P15S021B (B021B)	P15S021C (B021C)	P15S022A (B022A)	P15S022AD[b] (B022A)	P15S022B (B022B)	P15S022C (B022C)	P15S023A (B023A)	P15S023AD[c] (B023A)
Arsenic	7	—	—	570	430	I5	10	110	610
Chromium (mg/kg)	1	1.3	—	1.1	2.3	2.1	1.9	1.7	4.3
Zinc (mg/kg)	2	2.2	—	2.7	2.1	—	3.2	3.5	4.3
Lead (mg/kg)	4	—	—	S.3	—	—	—	—	—
Cadmium (mg/kg)	0.5	—	—	—	—	—	—	—	—
TRPHs (mg/kg)	5	16	—	—	—	—	23	—	—
Toluene	1,000	—	—	—	—	—	—	—	—
Methylene Chloride	1,000	17,000	16,000	12,000	5,200	5,100	1,200	6,100	3,200
Trans-1,2-Dichloroethene	1,000	—	—	—	—	—	—	—	—
1,1,1-Trichloroethane	1,000	—	—	—	—	—	—	—	—
PAHs as benzo-a-pyrene	1,000	—	—	—	—	—	—	—	—
4,4-DDT		—	—	—	—	—	—	—	—
Dieldrin/4,4-DDE	1,000]	—	—	—	—	—	—	—	—

14[NASP]UH6047:T0233/226/2

Key at end of table.

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

Table 3-3 (Cont.)

Parameter	[Detection Limit	P15S023B (B023B)	P15S023C (B023C)	P15S024A (B024A)	P15S024AD[d] (B024A)	P15S024B (B024B)	P15S024C (B024C)	P15S025A (B025A)	P15S025B (B025B)	P15S025C (B025C)
		Sample Number (Location and Depth Interval)								
Arsonic	7	--	--	7.5	--	--	--	44	--	7.0
Chromium (mg/kg)	1	1.4	2.1	4.3	3.9	1.6	--	1.6	--	--
Zinc (mg/kg)	2	--	2.4	4.2	4.8	--	--	--	--	--
Lead (mg/kg)	4	--	--	--	6.7	--	--	--	--	--
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	120	20	16	13	22	--	--	14	12
Toluene	1,000	--	--	--	--	--	--	--	--	--
Methylene Chloride	1,000	3,000	3,200	3,800	3,500	2,500	1,600	2,500	2,300	2,000
Trans-1,2-Dichloroethene	1,000	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1,000	--	2,200	--	--	--	--	--	--	--
PAHs as benzo-a-pyrene	1,000	--	--	1,200	1,500	--	--	--	--	--
4,4-DDT		--	--	(L)	(L)	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	(L)	(L)	--	--	--	--	--

14[NASP]UH6047:T0233/226/2

Key at end of table.

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

Table 3-3 (Cont.)

Parameter	[Detection Limit	Sample Number (Location and Depth Interval)								
		P15S026A (B026A)	P15S026B (B026B)	P15S026C (B026C)	P15S027A (B027A)	P15S027B (B027B)	P15S027C (B027C)	P15S028A (B028A)	P15S028B (B028B)	P15S028C (B028C)
Arsenic	7	--	--	--	--	--	--	--	--	--
Chromium (mg/kg)	1	1.5	1.3	1.7	2.1	1.9	--	1.6	--	--
Zinc (mg/kg)	2	--	--	--	3.5	--	--	3.4	--	--
Lead (mg/kg)	4	--	--	--	--	--	--	--	--	--
Cadmium (mg/kg)	0.5	--	--	--	--	--	--	--	--	--
TRPHs (mg/kg)	5	33	19	36	23	27	13	25	19	23
Toluene	1,000	--	--	--	--	--	--	--	--	--
Methylene Chloride	1,000	2,500	2,500	2,400	2,700	3,100	2,700	3,800	2,600	2,200
Trans-1,2-Dichloroethene	1,000	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	1,000	--	--	--	--	--	--	--	--	--
PAHs as benzo-a-pyrene	1,000	--	--	--	--	--	--	--	--	--
4,4-DDT		--	--	--	--	--	--	--	--	--
Dieldrin/4,4-DDE	1,000]	--	--	--	--	--	--	--	--	--

14[NASP]UH6047:T0233/226/2

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

Key :

[a]Duplicate of sample P15S021A.
[b]Duplicate of sample P15S022A.
[c]Duplicate of sample P15S023A.
[d]Duplicate of sample P15S024A.
[e]The detection limit for arsenic was 6.9 mg/kg in this sample.]
Dash (--) indicates compound not detected.

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

Source: Ecology and Environment, Inc., 1991.

[Bold items enclosed la brackets denote changes to tho last w[illegible] of document]

3.7.1.1 Metals

Chromium and zinc were detected in most of the soil samples, but at generally low concentrations. Lead and cadmium were detected in just a few of the samples, also at generally low concentrations. In contrast,. although arsenic was detected at only five locations (B019, B022, B023, B024, and B025), the measured concentrations were clearly elevated (as high as 670 milligrams/kilogram [mg/kg]). By far the highest arsenic concentrations were detected in the A-interval (0 to 4 feet BLS) samples from borings B022 and B023, located near the former outside pesticide storage area northeast of Building 2692 (see Figure 3-3). Slightly to moderately elevated arsenic concentrations had previously been measured in the vicinity of borings B022, B023, and B024 by G & M during their 1984 and 1986 investigations (G & M 1984; G & M 1986). The combined data suggest that isolated spills of arsenic-bearing materials have occurred on site.

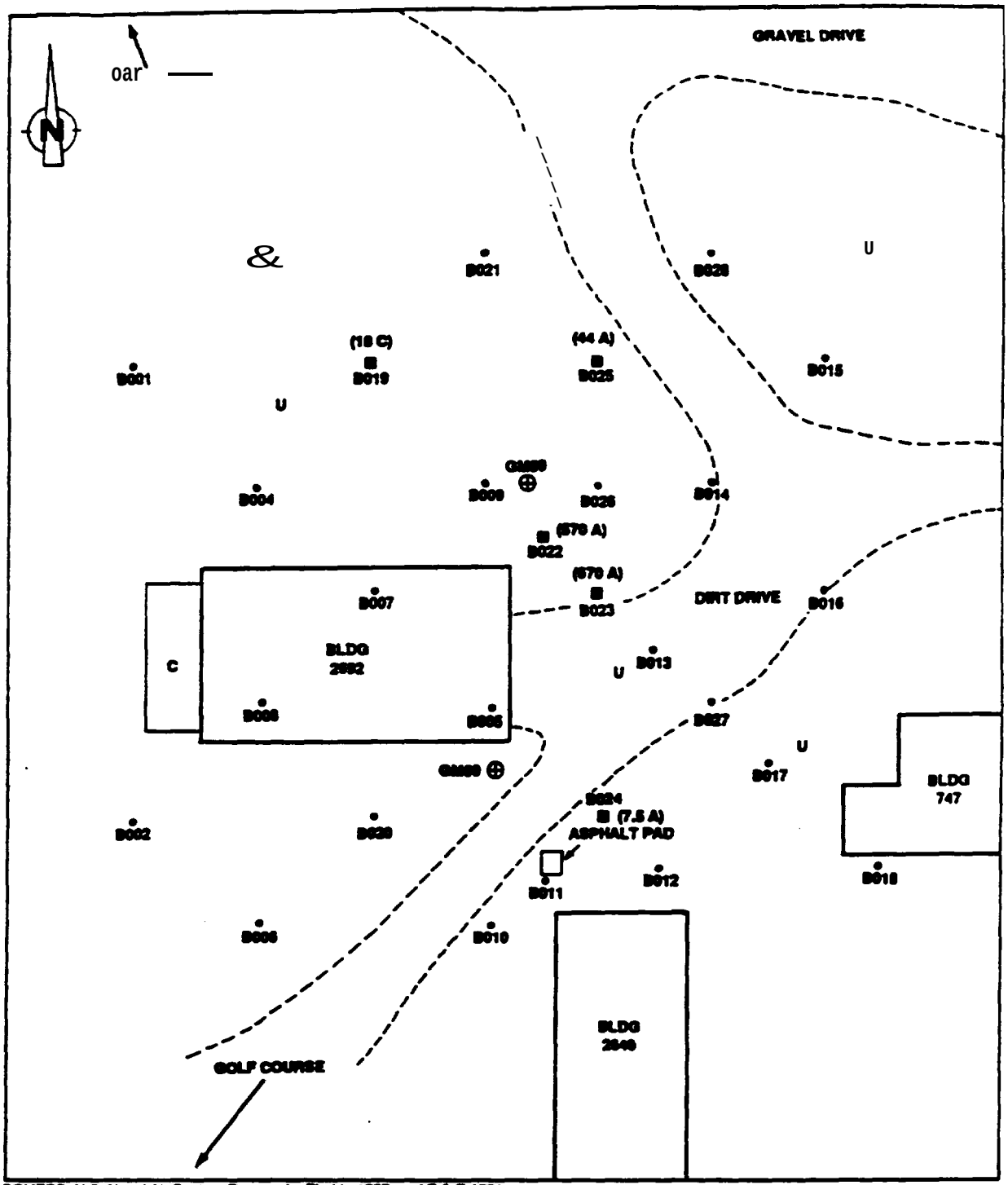
3.7.1.2 TRPHs

Slightly to moderately elevated TRPE concentrations (as high as 180 mg/kg) were detected across the full extent of Site 15 (see Figure 3-4). As indicated on Figure 3-4, there is no clear pattern to the lateral distribution of elevated TRPE concentrations, and the highest detected concentration at any given location was about equally as likely to be associated with the A-, B-, or C-interval sample. Eowever, the four highest TRPE concentrations (ranging from 95 to 180 mg/kg) were detected in samples S016A, S023B, S012C, and S018C, all of which were collected in the southeast quadrant of Site 15. Overall, the data suggest that an ambient source of TRPE contamination may be present in the site vicinity.

3.7.1.3 VOCs

Toluene, methylene chloride, trans-1,2-dichloroethene, and 1,1,1-trichloroethane were each detected in five or more of the soil samples (see Table 3-3). Toluene was detected in 26 of the samples at' concentrations between 1,000 and 1,500 micrograms/kilogram (µg/kg). Given the uniform concentrations detected and the absence of a clear distribution pattern, it is believed that the detected presence of

[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 50 100 FEET

KEY:

BLDG. 894	Building	•	Soil Boring
	Unpaved Road	■	Soil Boring where Arsenic Detected
⊕	Existing Permanent Shallow Monitoring Well	(119 A)	Highest Arsenic Concentration and Corresponding Depth Interval (mg/kg)
C	Concrete-Paved Area		
U	Unpaved Area		

Figure 3-3 SOIL BORING LOCATIONS WHERE ARSENIC WAS DETECTED AND CORRESPONDING SAMPLING DEPTH INTERVAL NAS PENSACOLA SITE 15

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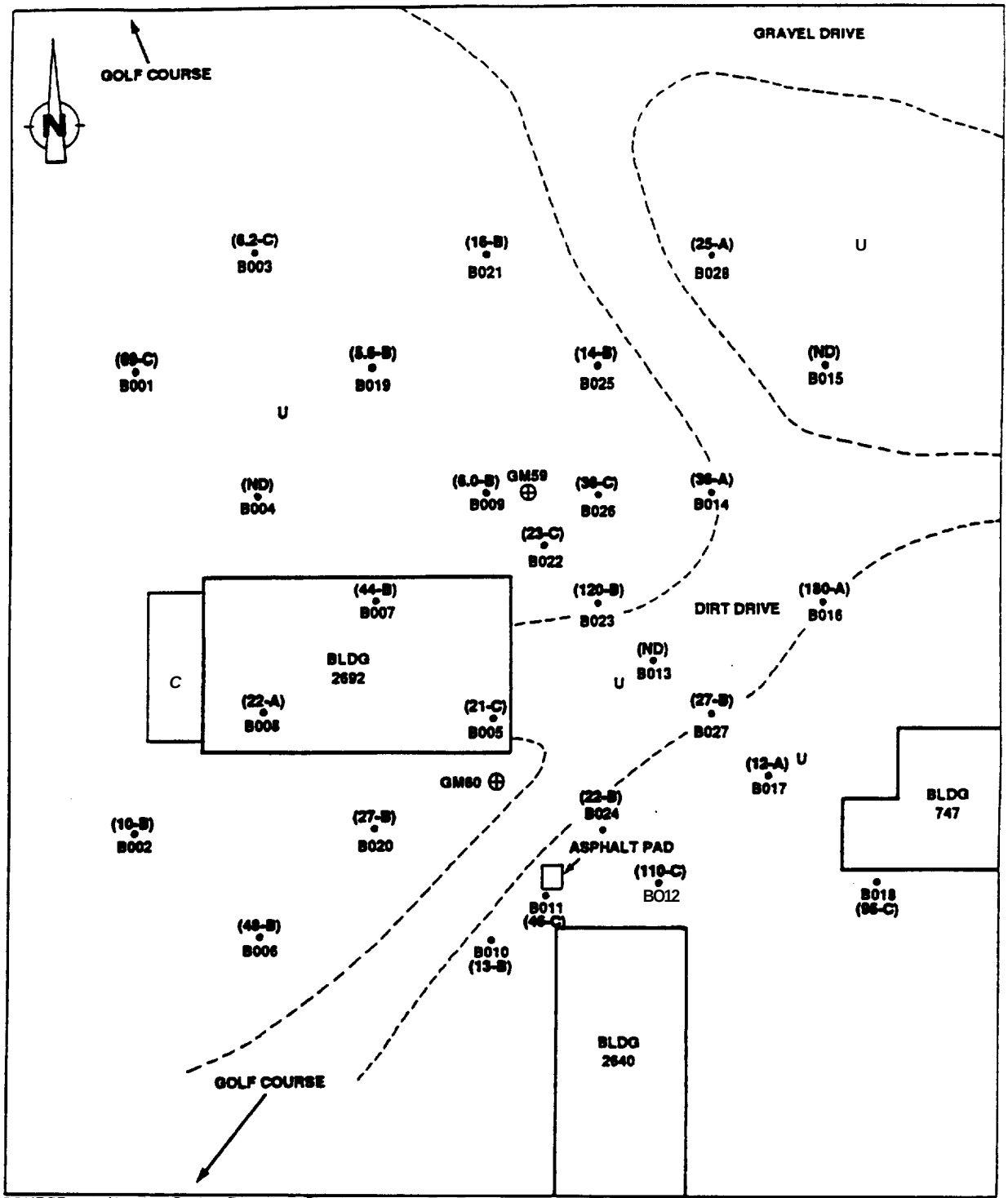

SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

0 50 100 FEET

KEY:

BLDG 747	Building	•	Soil Boring
	Unpaved Road	(44-B)	Highest TRPH Concentration Detected (mg/kg) and Sample Interval
⊕	Existing Permanent Shallow Monitoring Well	(ND)	Not Detected
C	Concrete Paved Area		
U	Unpaved Area		

Figure 3-4 HIGHEST TRPH CONCENTRATIONS DETECTED AT SOIL BORING LOCATIONS
NAS PENSACOLA SITE 15

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 was detected in 68 of the soil samples, usually at concentrations less than 5,000 µg/kg (see Table 3-3). In many cases, this common laboratory solvent vas also detected at similar levels in the laboratory method blanks (see Section 3.9.2); therefore, in general, its presence in the soil samples can be attributed to laboratory-derived contamination. However, several samples, collected at boring locations B020, B021, and B022, exhibited relatively elevated methylene chloride levels (as high as 17,000 µg/kg) vithout a similar detection in the method blank. Although it is probable that these separate occurrences represent laboratory-derived contamination or even false analytical positives, as discussed above vith respect to toluene, an on-site source of methylene chloride soil contamination cannot be entirely discounted.

Trans-1,2-dichloroethene and/or **1,1,1-trichloroethane** were detected at six sampling locations, four of which (B002, B006, B010, and B011) were aligned along the southvestern edge of the site (see Figure 3-5). Both **trans-1,2-dichloroethene** and 1,1,1-trichloroethane vere detected in samples **S002A, S002B, S002C,** and S006B; **sample S002B** *exhibited* the highest concentrations of both contaminants (9,000 µg/kg and 2,000 µg/kg, respectively). **Trans-1,2-dichloroethene** vas detected in four other samples (S010A, S011A, S011C, and **S019A),** and 1,1,1-trichloroethane vas also detected in four other samples (S006A, S006C, S0010B, and S023C). A potential source for these tvo contaminants is not readily apparent.

3.7.1.4 PAHs and Pesticides

Low to trace levels of PAHs (less than or equal to 1,500 µg/kg), as vell as trace levels of the pesticides **4,4-DDT** and **Dieldrin/4,4-DDE,** vere detected in the A-interval samples from borings B012 and *B024* (see Figure 3-5). Given the proximity of these borings to the asphalt pad, the presence of these contaminants can be attributed to past utilization of the pad area for equipment cleaning and rinsate disposal. It should

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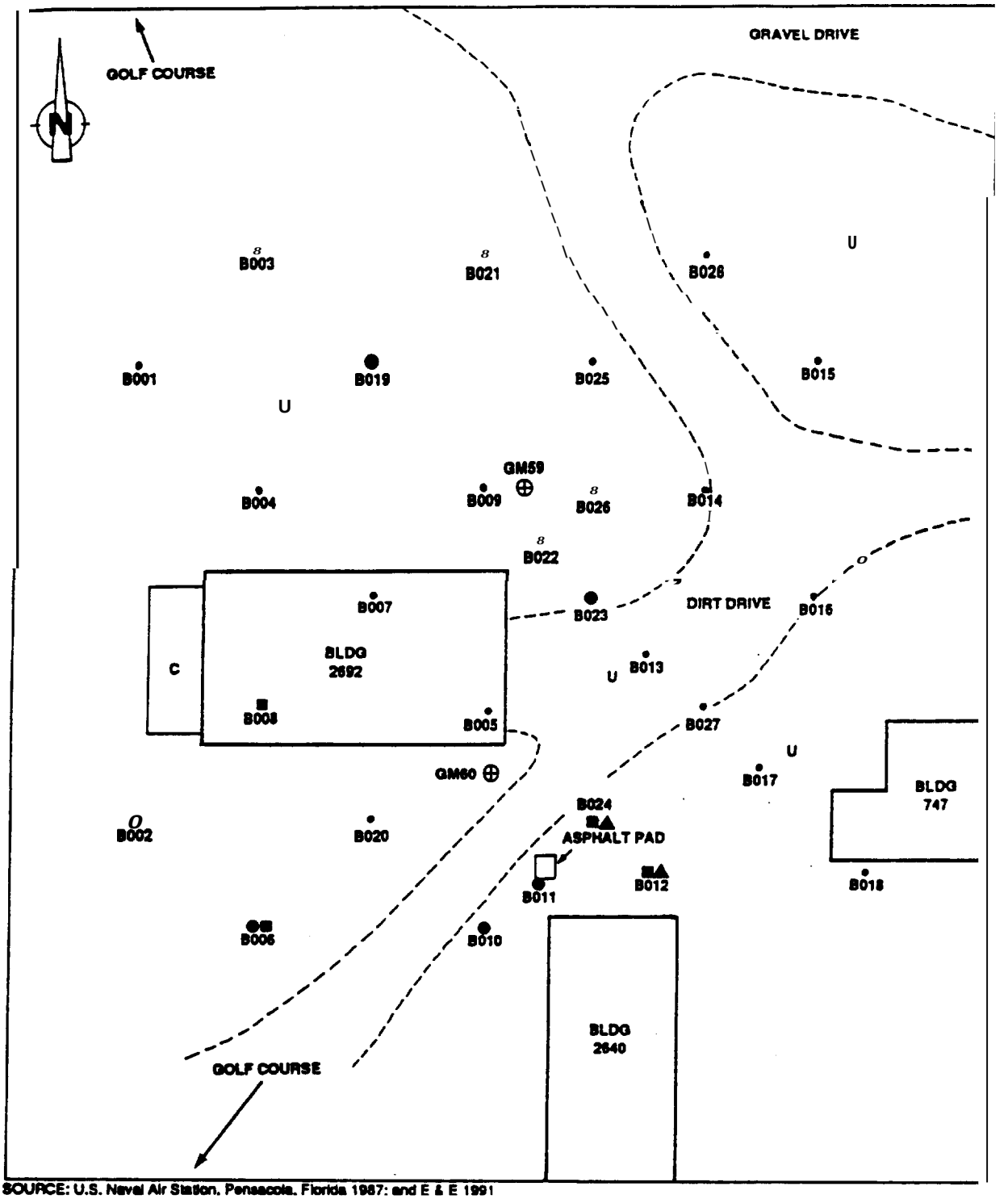

SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987; and E & E 1991

SCALE

0 50 100 FEET

KEY:

- BLDG 747 — Building
- Unpaved Road
- Existing Permanent Shallow Monitoring Well
- C — Concrete Paved Area
- U — Unpaved Area
- Temporary Monitoring Well
- Soil Boring
- Soil Boring Where VOCs (Excluding Toluene and Methylene Chloride) Detected
- Soil Boring Where PAHs Detected
- Soil Where Pesticides Detected

Figure 3-5 SOIL BORING LOCATIONS WHERE VOCs (EXCLUDING TOLUENE AND METHYLENE CHLORIDE), PAHs, AND/OR PESTICIDES WERE DETECTED NAS PENSACOLA SITE 15

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.

PAHs and 4,4-DDT were not detected in any of the other soil samples. However, Dieldrin/4,4-DDE vas also detected at trace levels in sample S006A (collected south of Building 2692) and samples S008A, S008B, and S008C (collected in the southvestern corner of Building 2692). These data, viewed in conjunction vith the G & M 1984 analytical results, suggest that pesticide soil contamination at Site 15 is fairly limited laterally and vertically.

It should be noted that chlordane, which vas detected at relatively high levels in one or more of the G & M 1984 surface soil samples, vas not detected in any of the above analytical screening soil samples. The absence of chlordane in E & E soil samples may be due to E & E's compositing soil over a 0- to 4-foot interval BLS. This larger interval may have diluted any chlordane present at the surface.

3.7.2 Groundvater

3.7.2.1 Field Parameters

Table 3-4 lists the groundvater temperature, pH, and specific conductance values measured in the groundvater samples collected from the temporary monitoring vells (January 25 and 26, 1991) and the two existing permanent monitoring wells (October 19, 1990). The field parameter measurements for these wlls are vithin the reported range of values for ambient groundvater in Escambia County (Clemens et al. 1989). [pa values ranged from 5.89 to 6.9.) No floating or [sinking] immiscible hydrocarbons were observed in any of the vells. Appendix C presents the temporary monitoring vell information, including field parameter and groundvater elevation data.

3.7.2.2 Analytical Screening Parameters

Table 3-5 summarizes the analytical screening results for the groundwater samples collected from the 10 temporary wells installed on Site 15. Figure 2-2 shows the temporary monitoring well locations at Site 15. The complete analytical screening results for the groundwater samples are presented in Appendix E.

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

Table 3-4

GROUNDWATER FIELD PARAMETERS
NAS PENSACOLA SITE 15

Well Number	Temperature (°C)	pH (units)	Specific Conductance (umhos)	Date Measured
TW019	23	6.2	**380**	1-25-91
TW020	25	6.2	170	1-25-91
TW021	26	6.1	210	1-25-91
TW022	23	6.4	310	1-25-91
TW023	22	6.4	340	1-25-91
TW024	24	6.2	175	1-26-91
TW025	20	6.9	500	1-26-91
TW026	22	6.8	180	1-26-91
TW027	22	6.8	200	1-26-91
TW026	20	6.6	220	1-26-91
GM59	23	5.69	233	10-19-90
GM60	23	5.99	211	10-19-90

14[NASP]UH6047:T0233/239/25

Source: Ecology and Environment, Inc., 1991.

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

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Table 3-5

SUMMARY ANALYTICAL SCREENING RESULTS FOR GROUNDWATER SAMPLES
(FROM TEMPORARY MONITORING WELLS)
NAS PENSACOLA SITE 15
(All results in µg/L)

Parameter	[Detection Limit	Sample Number (Location) P15GW019 (TW019)	P15GW020 (TW020)	P15GW020D[a] (TW020)	P15GW021 (TW021)	P15GW022 (TW022)	P15GW023 (TW023)	[FPDWS/ FSDWS
Arsonic	70	0,000	—	—	—	510	490	50
Chrosium	10	400	120	130	260	100	110	50
Zinc	20	2,200	150	100	560	770	340	5,000
Lead	40	240	100	66	100	100	09	50
cadmium	5	28	6.7	6.1	18	10	5.0	10
Nickel	40	110	—	—	96	53	—	
Copper	25	190	50	60	140	86	56	1,000]
Methylene Chloride	10	—	—	—	—	—	—	
Dieldrin/4,4-DDE	5]	—	—	—	—	—	—	

14[NASP]UH6047:T0233/227/7

Key at end of table.

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Table 3-5 (Cont.)

Parameter	[Detection Limit	Sample Number (Location) P15GW024 (TW024)	P15GW025 (TW025)	P15GW026 (TW026)	P15GW026D[b] (TW026)	P15GW027 (TW027)	P15GW028 (TW028)	[FPDWS/ FSDWS
Arsonic	70	--[c]	--[c]	--[c]	--[c]	--[E]	--[c]	50
Chromium	10	250	240	320	250	98	140	50
Zinc	20	300	300	290	230	140	260	5,000
Lord	40	180	180	300	240	64	78	50
Cadmium	5	16	25	38	31	11	16	10
Nickel	40	49	65	71	SO	--	--	
Copper	25	110	85	100	78	50	79	1,000]
Methylene Chloride	lo	--	(L,B)	(L,B)	(L,B)	--	--	
Dieldrin/4,4-DDE	51	(L)	(L)	--	--	(L)	--	

14[NASP]UH6047:T0233/227/7

Key:

[a]Duplicate of sample P15GW020.
[b]Duplicate of sample P15GW026.
[c]The detection limit Cor arsenic was 69 µg/L in this sample.
FPDWS = Florida Primary Drinking Water Standard.
FSDWS = Florida Secondary Drinking Water Standard.]
Dash (--) indicates compound not detected.

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

Source: Ecology and Lnvironmont, Inc., 1991.

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In general, the groundvater samples collected from the Site 15 temporary monitoring vells exhibited elevated concentrations of metals only. However, as will be discussed in Section 3.8, the elevated metals concentrations detected probably reflect leaching/dissolution of aquifer matrix sediments entrained in these unfiltered samples by the acid preservative rather than actual groundvater contamination.

Trace levels of methylene chloride and **Dieldrin/4,4-DDE** vere each detected in three samples. TRPHs, PAHs, phenols, and PCBs vere not detected in any of the temporary monitoring well groundvater samples.

Metals

[Figure 3-6 presents the chromium, lead, and cadmium concentrations detected in Site 15 **groundvater** samples.] Chromium and lead vere present in all of the temporary monitoring well groundwater samples at concentrations exceeding the Florida Primary Drinking Water Standard (FPDWS) of 50 micrograms/liter **(µg/L)**; Chapter 17-550, Florida Administrative Code [PAC]). Cadmium vas also present in all of the samples, but only in seven samples did the detected cancentration exceed the FPDWS of 10 µg/L.

Arsenic vas detected in only three samples; however, in all three samples the measured concentration exceeded the FPDWS of 50 **µg/L.** Zinc and copper vere detected in all of the samples but at concentrations belov the Florida Secondary Drinking Water Standards (FSDWSs) of 5,000 µg/L and 1,000 µg/L, respectively (Chapter 17-550, FAC). Nickel vas detected in six samples but at a level belov the Florida Groundwater Guidance Concentration of 150 µg/L (FDER 1989).

The sample from temporary monitoring well TW019 exhibited either the highest concentration of each detected metal (arsenic, chromium, zinc, nickel, and copper) or the second highest concentration (lead and cadmium). In general, higher metals concentrations vere detected in the samples from hydraulically downgradient wells TW019, TW021, and TW025. However, there is no definitive pattern to the distribution of the metals concentrations at Site 15 — except in the w e of arsenic.

Figure 3-(7) compares the distribution of total metals concentrations (excluding arsenic) across Site 15 vith the distribution of arsenic concentrations. Figure 3-[7] includes not only the results

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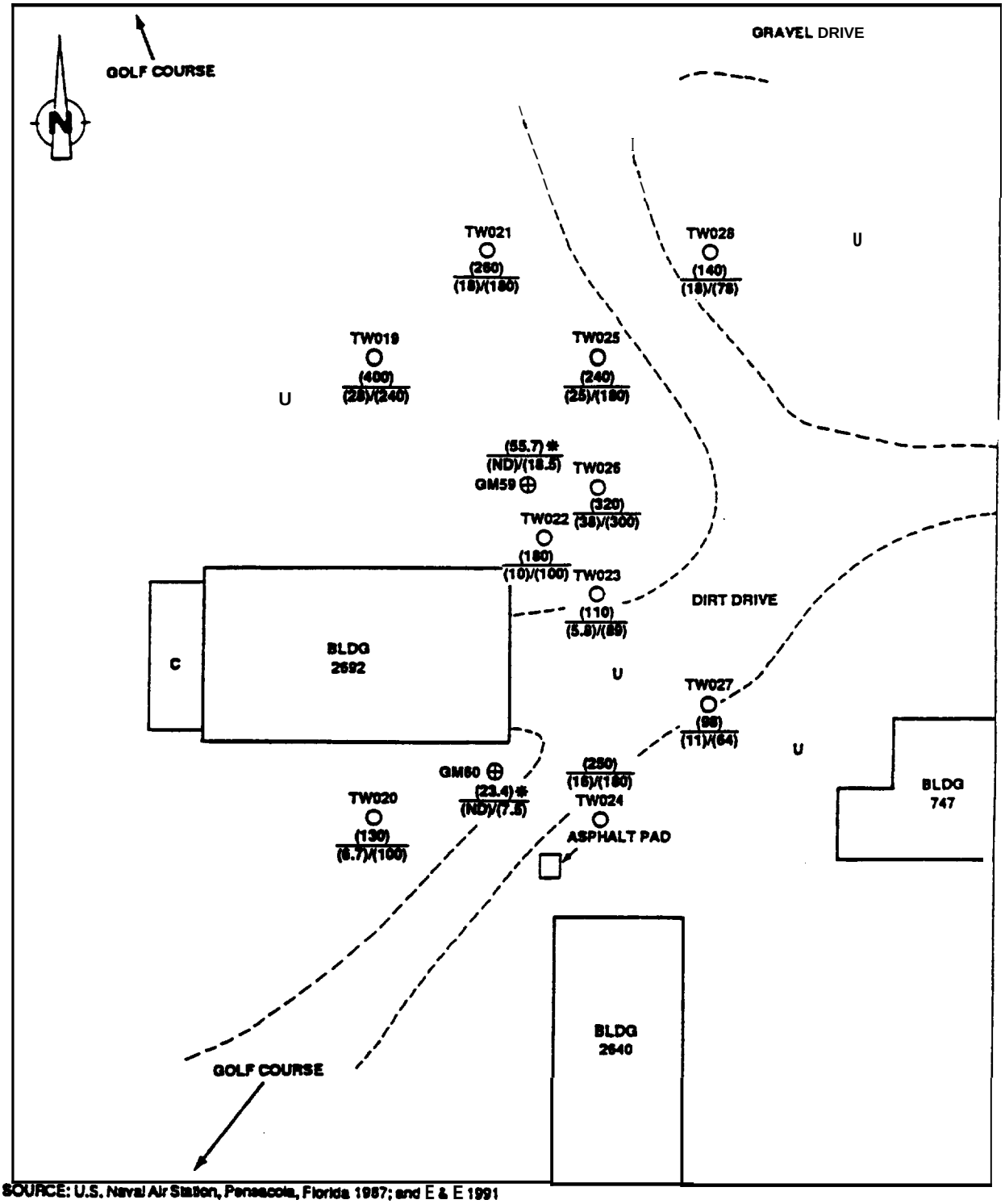
[Bold items enclosed in brackets denote changes to the last version of document]



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

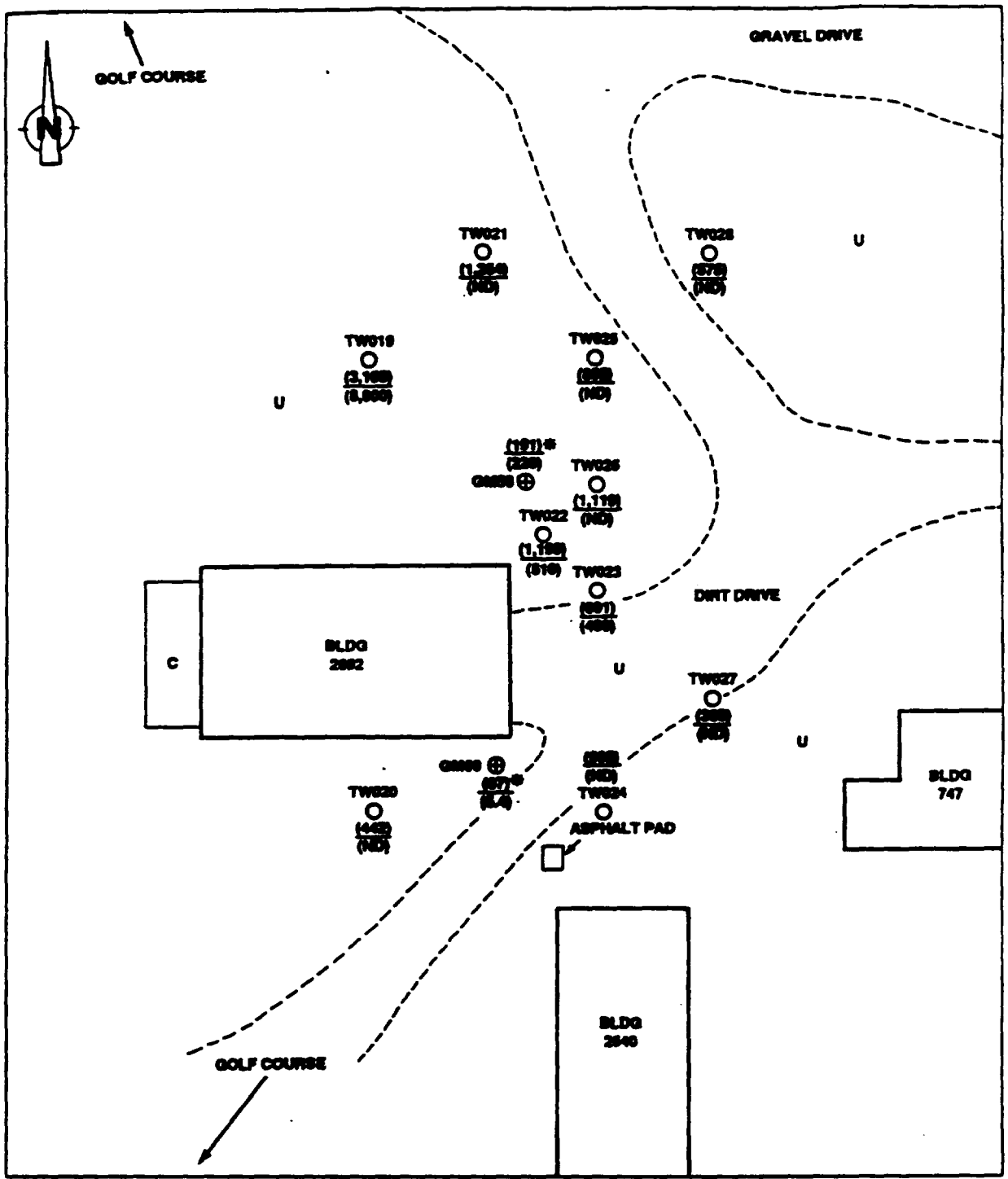
SCALE

0 50 100 FEET

KEY:

BLDG. 455	Building	○	Temporary Monitoring Well
	Unpaved Road	(98) / (11)/(64)	Chromium Concentration (ug/L) / Cadmium/Lead Concentrations (ug/L)
⊕	Existing Permanent Shallow Monitorin Well	*	Includes Results for Screening Group Metals Only (excluding Arsenic)
C	Concrete-Paved Area		
U	Unpaved Area	(ND)	Not Detected

Figure 3-6 CHROMIUM, CADMIUM, AND LEAD CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES — NAS PENSACOLA **SITE 15**



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

SCALE

0 50 100 FEET

KEY:

BLDG 747	Building	○	Temporary Monitoring Well
	Unpaved Road	(691) / (455)	Total Metals Concentration (Excluding Arsenic) (ug/L) / Arsenic Concentration (ug/L)
⊕	Existing Permanent Shallow Monitoring Well	*	Includes Results for Screening Group Metals Only (Excluding Arsenic)
C	Concrete Paved Area	ND	Not Detected
U	Unpaved Area		

Figure 3-7 TOTAL METALS CONCENTRATION (EXCLUDING ARSENIC) AND ARSENIC CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES — NAS PENSACOLA SITE 15

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for the unfiltered samples collected from the temporary monitoring wells, but also the corresponding screening-group metals results for the unfiltered samples collected from existing permanent wells GM59 and GM60 (which will be discussed in Section 3.7.2.3).

Elevated arsenic concentrations exhibit a distinct distribution. Arsenic concentrations were restricted to four wells (TW023, TW022, GM59, and TW019) that lie in a straight line directly parallel to the direction of groundwater flow (see Figure 3-2). Furthermore, the two upgradient wells with elevated arsenic concentrations (i.e., wells TW022 and TW023) were in the area of the soils (borings B022 and B023) with elevated arsenic concentrations (probably associated with the former outside pesticide storage area; see Section 3.7.1). Therefore, it is likely that the occurrence of arsenic in these groundwater samples is directly related to past storage/usage of arsenic-containing materials at Site 15. However, as will be discussed in Section 3.8, the elevated groundwater arsenic concentrations may not represent actual groundwater contamination, but may reflect leaching/dissolution of contaminants from contaminated aquifer matrix sediments entrained in these unfiltered samples.

VOCs

Trace levels of methylene chloride were detected in three temporary monitoring well groundwater samples (see Table 3-5). Eowever, this common laboratory solvent was also detected in the associated laboratory method blanks; therefore, its presence in the groundwater samples can be attributed to laboratory-derived contamination.

Pesticides

Trace levels of **Dieldrin/4,4-DDE** were detected in samples from three of the temporary monitoring wells: TW024, TW025, and TW027. Wells TW024 and, to a lesser extent, TW027 were located near the asphalt pad (see Figure 3-[7]); therefore, the detected presence of pesticides in these two samples could be due to past equipment cleaning/rinsate disposal activities in this area. (Trace levels of these pesticides were also detected in soil samples near the asphalt pad; see Section 3.7.1.) Well TW025 was located near the former outside pesticide

storage area, but none of the groundwater samples (GW022, GW026, and W059), collected directly within the reported location of this former storage area, contained detectable levels of pesticides (see also Section 3.7.2.3). Therefore, a connection cannot be clearly established between possible historical use of the former outside pesticide storage area and Dieldrin/4,4-DDE concentrations in sample GW025.

3.7.2.3 [TAL/]TCL Parameters

Table 3-6 summarizes the analytical results for the groundvater samples collected from the two existing permanent monitoring wells (GM59 and GM60) on Site 15. These samples vere analyzed for the [TAL/]TCL parameter group, TRPHs, total alkalinity, total hardness, and total organic carbon. Figure 2-2 shows the existing permanent monitoring well locations at Site 15. The complete [TAL/]TCL analytical results for the groundvater samples are presented in Appendix F.

In general, metals vere the primary contaminant species detected; a greater variety and higher concentrations vere detected in the unfiltered (total metals) samples than in the filtered (dissolved metals) samples. Several VOCs and base/neutral and acid extractable compounds (BNAs) vere detected; however, these compounds vere also usually present in the laboratory method blanks. Cyanide, TRPHs, pesticides, and PCBs vere not detected in any of the groundwater samples.

Metals

As shown in Table 3-6, only four metals (calcium, magnesium, potassium, and sodium) vere detected at similarly high levels in both the total and dissolved metals samples. Of these four metals, only sodium is subject to a Florida groundwater standard or guidance concentration, and the detected concentrations vere significantly belov this level. (The FPDWS for sodium is 160,000 µg/L, Chapter 17-550, PAC.) The detected concentrations of these four metals vere generally the same in samples W059 and W060 (from wells GM59 and GM60, respectively).

With respect to the remaining metals, total concentrations vere significantly higher than dissolved concentrations, and total

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Table 3-6

SUMMARY [TAL/]TCL ANALYTICAL RESULTS FOR GROUNDWATER AND FIELD QA/QC SAMPLES
(FROM PERMANENT MONITORING WELLS)
NAS PENSACOLA SITE 15
(All results in µg/L, unless noted)

Parameter	[Detection Limit	Sample Number (Location/Type) P15W059 (GM59)	P15W060 (GM60)	P15W060D[a] (GM60D)	[FPDWS/ FSDWS
Total Metals					
Aluminum	62	41,500	16,600	17,500	
Arsonic	1	226(N)	4.9(B,N)	5.4(W,N)	50
Barium	10	57.5(B)	34.5(B)	34.2	1,000
Calcium	326	17,600	15,200	15,800	
Chromium	10	55.7	23.4	22.2	10
Cobalt	7	8.1(B)	--	--	
Copper	10	23.2(B)	10.8(B)	--	1,000
Iron	19	30,300	8,800	9,800	300
Lead	1	18.5*	7.5(S)*	8.5(S)*	50
Magnesium	491	5,930	5,350	5,550	
Manganese	2	190	47	49.9	50
Mercury	0.2	--	3.4	2.7	2
Potassium	428	6,470	6,490	6,530	
Sodium	202	13,900(E)	10,900(E)	11,500 E)	160,000
Vanadium	9	57.7	18.3(B)	15.2 B)	
zinc	4	93.6	45.1	39.3	[illegible]900
Dissolved Metals					
Aluminum	62	95(B)	105(B)	111 B)	
Arsenic	1	10(S,N)	--	--	10
Barium	10	--	17.7(B)	17.1	1,000
Calcium	326	17,400	18,000	17.300	
Iron	19	67(B)	76(B)	91(B	300
Lead	1	36.[illegible]	--	2.4(B *	40
Magnesium	491	5,160	6,040	5,860	
Manganese	2	3.2(B)	2.5(B)	2.4(B	50
Pota sium	420	6,880	7,590	7,380	
Selenium	1	1.4(B,W)	--	--	10
Sodium	282	16,600(E)	14,100(E)	13,400(E	160,000
Zinc	4	14.1(B)	11.1(B)	7.7(B	5,0001
Methylene Chloride	5	5 B[a])	12(B[a])	4(B[a],J)	
Acetone	10	46 B[a])	60(B[a])	69(B[a])	
Di-n-Butyl-Phthalate	10	1 J)	2(J)	--	
Bis(2-Ethylhexyl)Phthalate	10	3 B[a],J)	4(B[a],J)	4(B[a],J)	
Tentatively Identified Compounds**					
2-Propanol		57 J)	14(J)	71(J)	
Froon-113		--	8.0(B[a],J)	--	
Hexane		22 B[a],J)	16(B[a],J)	19(B[a],J)	
Tribromophenol Isomer		14 B[a],J)	23(B[a],J)	12(B[a],J)	
Unknown Hydrocarbon		--	6(J)	(5) 44(J)	
Unknown Compound		--	--	--	
Unknown Compound		(3) 28(J)	(6) 70(J)	(3) 72(J)	
Total Alkalinity (mg/L as $CaCo_3$)	1	27	26	20	
Total Hardness (mg/L as $CaCo_3$)	1	86	91	82	
Total Organic Carbon (mg/L)	1]	35	22	24	

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Key at end of table.

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

Table 3-6 (Cont.)

Parameter	[Detection Limit	Sample Number (Location/Type) P15WTB03[b] (Bottle Trip Blank)	P15WRB02[c] (Sampling Equipment Rinsate)	P15WFB02 (Field Blank)	P15WPB02[d] (Preservative Blank)	[FFDWS/ PSDWS
Total Metals						
Aluminum	62	NA	—	—	—	
Arsenic	1	NA	—	—	—	50
Barium	10	NA	—	—	—	1,000
Calcium	326	NA	—	—	—	
Chromium	10	NA	—	—	—	10
Cobalt	7	NA	—	—	—	
Copper	10	NA	—	—	—	1,000
Iron	19	NA	—	—	46(B)	300
Lead	1	NA	5.5[+]*	5.6(S)*	—	50
Magnesium	491	NA	—	—	—	
Manganese	2	NA	—	—	—	50
Mercury	0.2	NA	—	—	—	2
Potassium	428	NA	—	—	—	
Sodium	282	NA	—	—	—	160,000
Vanadium	9	NA	—	—	—	
Zinc	4	NA	—	—	5.5(B)	5,000
Dissolved Metals						
Aluminum	62	NA	—	—	—	
Arsenic	1	NA	—	—	—	W
Barium	10	NA	—	—	—	1,000
Calcium	326	NA	—	—	—	
Iron	19	MA	49(B)	6.0(S)*	—	300
Lead	1	NA	—	—	—	40
Magnesium	491	MA	—	—	—	
Manganese	2	NA	—	—	—	50
Potassium	428	NA	—	—	—	
Selenium	1	NA	—	—	—	10
Sodium	282	NA	345(B,E)	417(B,E)	—	160,000
Zinc	4	NA	—	—	—	5,000]
Methylene Chloride	5	6(B[a])	16(B[a])	7(B[a])	14(B[a])	
Acetone	10	45(B[a])	69(B[a])	57(B[a])	60(B[a])	
Di-n-Butyl-Phthalate	10	—	—	—	NA	
Bis(2-Ethylhexyl)Phthalate	10	—	4(B[a],J)	4(B[a],J)	NA	
Tentatively Identified Compounds**						
2-Propanol		—	—	39(J)	—	
Freon 113		—	—	—	9(B[a],J)	
Hexane		24(B[a],J)	14(B[a],J)	21(B[a],J)	14(B[a],J)	
Tribromophenol Isomer		—	9(B[a],J)	25(B[a],J)	—	
Unknown Hydrocarbon		—	—	—	—	
Unknown Compound		—	9(J) (2)	17(J)	(1) 6(J)	
Unknown Compound		—	(3) 103(J)	—	—	
Total Alkalinity (mg/L as $CaCo_3$)	1	—	—	—	—	
Total Hardness (mg/L as $CaCo_3$)	1	—	—	—	—	
Total Organic Carbon (mg/L)	1]	—	—	—	—	

14[HASP]UN6047:T0233/261/15

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Note: Tho number within parentheses preceding tho concentration is tho number of tentatively identified compounds [(TICs)] in this parameter group. The listed concentration represents tho sua of tho individual group-member concentrations.

Key:

[FPDWS = Florida Primary Drinking Water Standard.
FSDWS = Florid. Secondary Drinking Water Standard.]
NA = Analyses not performed.
Dash (--) indicates coapound not detected.
*Duplicate analysis not within control limits.
[**Values for tho TICs are estimated. No detection limits were established tor tho TICs.]
+Correlation coefficient for tho MSA is less than 0.995.

[a]Duplicate of sample P15W060.
[b]Analyzed for VOCs only.
[c]Analyzed for total metals, dissolved metals, cyanide, VOCs, BNAs, pesticides, PCBs, and TRPHs only.
[d]Analyzed for total metals, cyanide, VOCs, and TRPHs only.
[[e]The detection limit for the specified parameter increased by a factor of 5 in this sample.]

Qualifiers:
(B) = Reported valuo was obtained from a reading that was loss than tho Contract Required Detection Limit but greater than or equal to tho Instrument Detection Limit.
(B[a]) = Present in method blank.
(E) = Identifies compounds with concentrations exceeding calibration range of tho GC/MS instrument for tho specific analysis.
(J) = [For non-TICs] estimated value; compound present [but] below detection limit. [Also indicates that TIC concentrations are estimated because no detection limits were established.]
(N) = Spiked sample recovery not within control limits.
(S) = Tho reported valuo was determined by tho method of standard additions.
(W) = Post digestion spike for furnace M analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

Source: Ecology and Environment, Inc., 1991.

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concentrations measured in sample W059 vere almost alvays higher than those measured in samples V060 and W060D. The FPDWSs for arsenic (50 µg/L) and chromium (50 µg/L), as well as the FSDWSs for iron (300 µg/L) and manganese (50 µg/L), vere exceeded in total metals sample W059 (Chapter 17-550, PAC). In contrast, the FPDUS for mercury (2 µg/L) and the FSDVS for iron (300 µg/L) vere exceeded in total metals samples W060 and W060D (Chapter 17-550, FAC). No Florida groundwater standards or guidance concentrations were *exceeded* in the dissolved metals samples from either vell.

It should be noted that the total metals concentrations in the temporary monitoring well samples vere generally much higher than the total metals concentrations in the permanent monitoring well samples (see tables 3-5 and 3-6). As will be discussed in Section 3.8, the relationship between total metals concentrations in temporary well samples and total metals concentrations in permanent well samples, evaluated in combination vith the relationship between total and dissolved metals concentrations in permanent well samples (discussed in the preceding paragraph), supports the probability that total metals concentrations are being impacted by acid preservative leaching/dissolution of aquifer matrix sediments entrained in the groundvater samples.

VOCs

Methylene chloride and acetone'vere detected in the permanent monitoring well groundvater samples (see Table 3-6). Given that these compounds vere also detected in the associated laboratory method blanks, their presence in the groundvater samples can be attributtd to laboratory-derived contamination.

BNAs

Di-n-butyl-phthalate and bis(2-ethylhexyl)phthalate vere detected in the permanent well groundvater samples (see Table 3-6). Bis(2-ethylhexyl)phthalate vas also detected in the associated laboratory method blanks; therefore, its presence in the groundvater

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samples can be attributed to laboratory-derived contamination. The low concentrations of di-n-butyl-phthalate detected are also probably associated with laboratory-derived contamination.

Tentatively Identified Compounds

A number of volatile and extractable tentatively identified compounds [(TICS)] were detected in the permanent well groundwater samples (see Table 3-6). Several of these compounds were also detected in the associated laboratory method blanks; therefore, their presence in the groundwater samples can be attributed to laboratory-derived contamination. One or more of the other [TICS] (e.g., 2-propanol) may have been derived from the isopropanol used for sampling equipment decontamination. The concentrations of these and the other detected [TICS] of unknown derivation were all sufficiently low enough to warrant little concern.

Remediation Parameters

The permanent well groundwater samples were also analyzed for total alkalinity, total hardness, and total organic carbon to support subsequent groundwater remediation design activities at Site 15, if required. Table 3-6 presents the analytical results for these remediation parameters. [For comparative purposes, regional (i.e., vithin southern Escambia County) values of these same parameters in the Sand-and-Gravel Aquifer are as follovs: alkalinity (as mg/L of $CaCo_3$) values range from <1.00 mg/L to 129.9 mg/L (Clemens et al. 1989); total hardness values ranges from 1.00 mg/L to 326.00 mg/L, vith the majority being less than 50 mg/L (Johnson 1991); and total organic carbon values range from 2.88 mg/L to 24.41 mg/L (Clemens et al. 1989).] The [groundvater] samples from the two permanent wells [on Site IS] exhibited values for these parameters [vell vithin the reported ranges of regional values.]

3.8 CONTAMINATION DISTRIBUTION/SOURCE DISCUSSION

The two media, soil and groundwater, sampled on and in the vicinity of Site 15 exhibit at least trace levels of one or more of five of the contaminant groups (metals, TRPHs, VOCs, PAHs, and pesticides) included

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in the Phase I investigation. In sow cases, the detected contamination is clearly associated vith past activities at Site 15, including pesticide storage, equipment cleaning, and rinsate disposal. However, the Phase I results may also indicate the presence of other sources of contamination impacting Site 15. Overall, the results of E & E's Phase I investigation and G & M's 1984 and 1986 investigations (G & M *1984;* G & M 1986) do not indicate the presence of extensive pesticide or other contamination at Site 15. 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

Elevated concentrations of arsenic, **TRPHs,** and three VOCs **(trans-1,2-dichloroethene;** 1,1,1-trichloroethane; and possibly methylene chloride) vere detected in several of the soil samples collected at Site 15. **Low** to trace levels of PAHs and lov levels of pesticides **(4,4-DDT** and **Dieldrin/4,4-DDE)** vere also detected at several locations. Chlordane, which bad been detected at relatively high concentrations in the 1984 G & M surface soil samples, vas not detected in any of the B & E Phase I screening samples. **The** absence of chlordane in E & B soil samples u y be due to E & E's compositing soil over a 0- to 4-foot interval BLS. This larger interval may have diluted **any** chlordane present at the surface. Phenols and PCBs vere not detected in any of the soil samples.

Arsenic, PAHs, and/or pesticides vere primarily detected in soil samples collected near the probable, historical, on-site source areas: the former outside pesticide storage area and the asphalt pad area. In contrast, **trans-1,2-dichloroethene** and/or 1,1,1-trichloroethane vere most commonly (at four of six locations) detected in samples collected along the southvestern *edge* of the site. The high methylene chloride occurrences that vere not clearly associated vith laboratory-derived contamination or false analytical positives vere detected at disparate locations. The actual source(s) of Site 15 VOC soil contamination is not knovn. Finally, the distribution of elevated soil TRPH concentrations across Site 15 suggests that an ambient source of this

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contaminant may be present in the site vicinity. Overall, Site 15 soil contamination appears to be fairly limited with respect to lateral and vertical extent and concentration magnitude.

3.8.2 Groundwater

Elevated levels of only metals were detected in the groundwater samples collected at Site 15. **Dieldrin/4,4-DDE**, detected at trace levels in three of the temporary well samples, was the only other groundwater contaminant of any significance.

All of the unfiltered (total metals) groundwater samples exhibited elevated concentrations of several metals. However, it is very possible that these elevated total metals concentrations (exhibited by the unfiltered samples) reflect acid preservative leaching/dissolution of aquifer matrix sediments entrained in the samples, rather than actual groundwater contamination. Evidence that leaching/dissolution may be occurring is also provided by the Phase I analytical results for the metals groundwater samples collected from the existing permanent monitoring wells not only on Site 15, but also on sites 1 and 11. The permanent monitoring well groundwater samples are much less turbid than temporary monitoring 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.

In light of the permanent monitoring well groundwater sample results, groundwater metals contamination is probably not as widespread at Site 15 as is suggested by the Phase I analytical results for the temporary well groundwater samples. On the other hand, highly elevated total (unfiltered) arsenic concentrations were detected in the samples collected from four wells (TW023, TW022, GM59, and TW019) that lie in a straight line parallel to the direction of groundvater flow. Furthermore, the most upgradient well of the four is located in the area of elevated soil arsenic concentrations apparently associated with the former outside pesticide storage area. Therefore, even if these groundwater total arsenic concentrations reflect leaching/dissolution of

aquifer matrix sediments, the very high concentrations detected and the distinct distribution pattern strongly suggest that these sediments have been contaminated by past activities at Site 15.

3.9 QA/QC

3.9.1 Field QA/QC

3.9.1.1 Analytical Screening Samples

Pour soil field duplicate samples and tvo groundvater field duplicate samples vere collected for the Site 15 screening samples. The analytical results for the duplicate samples are presented in the summary screening results tables for soil and groundvater (tables 3-3 and 3-5, respectively). The results for the soil duplicate samples (SO21AD, SO22AD, SO23AD, and SO24AD) and groundvater duplicate samples (GWO20D and GWO26D) vere in agreement, vithin acceptable limits, vith the results for the original samples.

3.9.1.2 [TAL/]TCL Samples

One field duplicate sample, oM bottle trip blank, one sampling equipment rinsate blank, one field blank, and one preservative blank vere collected for the tvo Site 15 [TAL/]TCL groundvater samples. The analytical results for these QA/QC samples are presented in the summary results table for the original groundvater samples (Table 3-6).

The results for groundvater duplicate WO60D vare in agreement, vithin acceptable limits, vith the results for the original sample. Methylene chloride, acetone, and hexane vere detected in trip blank TBO3, which vas only analyzed for VOCs, rinsate blank RBO2, field blank FBO2, and preservative blank PBO2. Iron, lead, sodium, and/or zinc vere the only metals detected in the blanks. Bis(2-ethylhexyl)phthalate and several [TICs] vere also detected in one or more of the blanks. The detected contaminants in the various blanks are of little concern because: 1) they also occurred in the laboratory method blanks and, hence, can be attributed to laboratory-derived contamination; 2) they do not represent significant on-site contaminants; and/or 3) the detected levels are too low to significantly impact interpretation of the field sample analytical results.

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3.9.2 Laboratory QA/QC

3.9.2.1 Analytical Screening Samples

Methylene chloride is a common laboratory-derived contaminant (EPA 1988) and was present in several of the method blanks analyzed at the laboratory. It was present in the groundwater method blanks associated with the three groundwater samples that exhibited trace amounts of methylene chloride. Methylene chloride was also present in many of the soil method blanks; however, it was found in several soil samples without being found in the method blanks associated with these samples. In most cases, the methylene chloride concentrations found in these soil samples were only slightly above the detection limit for this compound and, therefore, can also be attributed to laboratory-derived contamination. However, in several soil samples (i.e., those collected at boring locations B020, B021, and B022), the detected levels of methylene chloride were too high to unequivocably attribute the occurrence to laboratory-derived contamination or false analytical positives (discussed below).

Toluene was detected in a number of soil samples at concentrations between 1,000 µg/kg and 1,500 µg/kg, but was 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 raw data, suggests that these detections may represent false analytical positives associated with 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.

3.9.2.2 [TAL/]TCL Samples

Methylene chloride, acetone, bis(2-ethylhexyl)phthalate, and several [TICs] (i.e., Freon-113, hexane, tribromophenol isomer) were detected both in one or more of the [TAL/]TCL groundwater samples and in the associated laboratory method blanks. Hence, the presence of these

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compounds is attributable to laboratory-derived contamination. Although di-n-butyl-phthalate was not detected in the method blanks, the lov levels (i.e., slightly above the detection limit) of di-n-butyl-phthalate and other [TICs] detected may also reflect laboratory-derived contamination (see Table 3-6). Several additional laboratory QA/QC comments concerning the [TAL/]TCL sample analyses are presented at the end of Table 3-6.

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4. CONCLUSIONS

Soil and possibly groundwater contamination are present on and in the vicinity of Site 15. However, the combined results of E & E's Phase I investigation and G & M's 1984 and 1986 investigations indicate that Site 15 contamination is fairly limited with respect to lateral and vertical extent and concentration magnitude. Metals (particularly arsenic), TRPHs, VOCs, PAHs, and pesticides are the primary contaminants. Some of the detected contamination is clearly associated with past pesticide storage, equipment cleaning, and rinsate disposal activities at Site 15. However, additional sources of contamination are apparently impacting the site.

Elevated levels of arsenic, TRPHs, and three VOCs (trans-1,2-dichlorethene; 1,1,1-trichloroethane; and possibly methylene chloride), as well as low to trace levels of PAHs and trace levels of pesticides, were detected in on-site soil samples. Chlordane, which had been detected at relatively high concentrations in the 1984 G & M soil samples, was not detected in any of the E & E Phase I screening samples. For the most part, arsenic, PAHs, and pesticides, were detected in soil samples collected near the probable, historical, on-site source areas: the former outside pesticide storage area and the asphalt pad equipment cleaning and rinsate disposal area. The actual source(s) of the detected Site 15 VOC soil contamination is not known. The wide distribution of elevated soil TRPH concentrations suggests that an ambient source of this contaminant may be present in the site vicinity.

Metals concentrations, exceeding Florida groundwater standards, were widespread in groundwater samples, but this widespread occurrence probably reflects that the turbid groundwater samples were not filtered prior to acid preservation. However, the distribution of elevated total arsenic concentrations in the Site 15 groundwater samples strongly

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suggests that the former outside pesticide storage area represents a source of arsenic contamination of the aquifer matrix sediments if not a source of actual groundvater contamination. Dieldrin/4,4-DDE detected at trace levels in three of the temporary monitoring well samples vas the only other groundvater contaminant of any significance at Site 15.

Limited additional assessment activities will be required at and in the vicinity of Site 15.

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6. FLORIDA PROFESSIONAL GEOLOGIST SEAL

I hereby affix my seal to the Interim Data Report for the Pesticide Rinsate Disposal Area (Site 15) located at the Naval Air Station in Pensacola, Escambia County, Florida, in accordance vith Chapter 492 of the Florida Statutes and applicable rules and regulations developed 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

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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 Vren	Troglodytes aedon
Bluejay	Cyanocitta cristata
Eastern Phoebe	Sayornis phoebe
Mourning Dove	Zenaida macroura
Common Grackle	Quiscalus quiscula
White-eyed .Vireo	Vireo priseus
Northern Mockingbird	Mimus polyglottos
Cardinal	Cardinalis cardinalis
Carolina Wren	Thryothorus ludovicianus
Boat-tailed Grackle	Quiscalus major
Brown Thrasher	Toxostoma rufum

Upland mature hardwood forest with some mix of pines.

Prairie Warbler	Dendroica discolor
Northern Mockingbird	Mimus polyglottos
Mississippi Kite	[illegible] ensi
Red-tailed Hawk	Buteo jamai s
Mourning Dove	Zenaida macroura
Ovenbird	Seiurus [illegible] l
Tufted Titmouse	Parus i
Carolina Chickadee	Parus [illegible]
Golden Crovned Kinglet	[illegible] tr
Ruby Crowned Kinglet	Regulus calendula
Nashvi1le Varbler	ermivo ruficapilla
Bluejay	yanoc [illegible]

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

Forester's Tern	Sterna porsteri
Herring Gull	Larus argentatus
Semi-palmated Plover	Charadrius semipalmatus
Great Blue Heron	Ardea herodias
Semi-palmated Sandpiper	Calidris pusilla
Villet	Catoptrophorus semipalmatus
Ruddy Turnstone	Arenaria interpres
Royal Tern	Sterna maxima
Sandvich Tern	Sterna sandircensis
Roseate Tern	Sterna dougallii
Common Tern	Stcrna hirundo
Brovn Pelican	Pelccanus occidentalis
Killdeer	Charadrius vociferus
Chipping Sparrov	Spizella passerina
Eastern Wood Pevee	Contopus borealis
Bluejay	Cyanocitta cristata
Osprey	Pandion haliaetus
Belted Kingfisher	Ceryle alcyon
Fish Crov	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

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Harshland, including emergent vegetation found along Bayou Grande, Pensacola Bay, and brackish-vater ponds.

Pied-billed Grebe	Podilymbus podiceps
Great Blue Heron	Ardea herodias
Great Egret	Casmerodius albus
Snowy Egret	Egretta thula
Little Blue Heron	Egretta caerulea
Tricolored Heron	Egretta tricolor
Green-winged Teal	Anas crecea
Mottled Duck	Anas fulvigula
Blue-winged Teal	Anas discors
Northern Shoveler	Anas clypeata
Lesser Scaup	Aythya affinis
American Coot	Fulica americana
Mourning 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 Uren	Troglodytes aedon
Yellow-rumped Uarbler	Dendroica coronata
Northern Mockingbird	Mimus polyglottos

Forested wetland area, including mature hardwoods and thick undergrovth mixed vith emergent vegetation such as cattails.

Pellov-bellied Sapsucker	Sphyrapicus varius
Brovn Thrasher	Toxostoaa rufua
Harsh Wren	Cistothorus palustri
American Goldfinch	Carduelis tristis
Prairie Warbler	Dendroica discolor
Northern Flicker	Colaptes auratus
Cardinal	Cardinalis i
Bluejay	ta cristata
Northern Hockingbird	mi — polyglottos
Wood Thrush	Hylocichla mu

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APPENDIX B

SURFACE EMISSIONS AND MAGNETOMETER DATA

SITE 15

GRID COORDINATES	OVA (ppm)	MAGNETOMETER (gammas)
N0.5E0	0	49437
N0.5E1	0	49443
N0.5E1.5	0	50118
N0.25E0.3	0	51958
N0.25E0.8	0	52145
N0. 5E0.5	0	53265
N0.5E2	0	50142.5
N0.5W0.5	0	50289.7
N0. 70E0.3	0	52279
N0.70E0.8	0	51090
NOEO	0	50479.6
N0E0.5	0	51043.1
NOEl	0	50717
N0E1.5	0	50535
N0E2	0	50123.4
N0W0.5	0	51235
N1.5E0.5	0	50430.3
N1.5E0	0	50391. 9
N1.5E1	0	50397 .1
N1.5E1.5	0	50373.3
N1.5E2	0	50336.1
N1.5W0.5	0	50445.8
N1E0.5	0	50747.3
N1E0	0	50417.6
N1E1	0	49926.8
N1E1.5	0	49483
N1E2	0	50068.8
N1W0.5	0	50415.3
N2E0	0	50447.1
N2E0 .5	0	50458.7
N2E1	0	50449.9
N2E1.S	0	50488.6
N2E2	0	50452.6
N2W0.5	0	50436.1
SO.SEO	0	49779
SO. 5E0.5	0	51397
SO.5E1	0	50718
S0.5E1.5	0	40622
SO.5E2	0	47606
S0.5W0.5	0	50928

APPENDIX C

TEMPORARY MONITORING WELL, SOIL BORING, AND LITHOLOGIC INPOWTION

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B001
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: A. Twitty
7) Depth of boring (BLS): 15.0
8) Depth to water in borehole (BLS): 13.5
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
0-0.5	Sand, dark brown, fine to medium grained.
0.5-15	Sand, moderate yellow brown, fine to medium grained.

Notes: All depths, lengths, height?, 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

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SOIL BORING/TEMPORARY MONITORING WELL INFOWTION

1) Site no.: 15
2) Boring no./Well no.: P15B002
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 14.0
8) Depth to water 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 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
0-5	Sand, yellov, medium to fine grained.
5-10	Sand, white *to* ycllov, medium grained.
10-14	Sand, vhite to yellov, medium grained.

Notes: All depths, lengths, bcights, and elevations are measured in feet. All boreholes are 4 inches in di . All well casings and screens are 2-inch-diameter; well screen s ot sites 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 = belov top of casing

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SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B003
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: A. Twitty
7) Depth of boring (BLS): 15.0
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) 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
0-0.5	Sand, brown, medium grained.
0.5-15	Sand, moderate yellow brown, 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
HA =hand auger

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

SOIL BORING/TEMPORARY MONITORING WELL INFORMTION

1) Site no.: 15
2) Boring no./Well no.: P15B004
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/22/91
6) Geologist: A. Twitty
7) Depth of boring (BLS): 15.0
8) Depth to vater in borehole (BLS): 14.5
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 vater in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: / /
18) pH (wits): 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
0-0.8	Leaves and grass.
0.8-7	Sand, moderate yellow brown, fine to medium grained.
7-15	Sand, light yellov brown to tan, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. A11 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 = belov top of casing

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SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B009
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): 13.0
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
0-5	Sand, yellow, medium grained.
5-10	Sand, yellow, medium grained.
10-13	Sand, dark yellow 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-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.: 15
2) Boring no./Well no.: P15B009
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 (BW): 13.0
8) Depth to vater 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 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
0-5	Sand, yellov, medium grained.
5-10	Sand, yellow, medium grained.
10-13	Sand, dark yellov to tan, medium grained

Notes: A13 depths, lengths, heights, and elevations 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) was used in well installation. Unless othervise 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

1500621

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B010
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 13.0
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
0-5	Sand, yellow, medium grained.
5-10	Sand, yellow to tan, medium grained.
10-13	Sand, white to gray, medium to fine 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 INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B011
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 13.0
8) Depth to vater 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
0-5	Sand, dark brown to yellow, medium grained.
5-10	Sand, yellow, medium to fine grained.
10-13	Sand, gray to light yellow, 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 rites are .010 inches. No annular material (i.e. filter pack, seal or grout) vas vved 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

1500622

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B012
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 13.5
8) Depth to water in borehole (BLS): 13.5
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 LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, yellow, medium to fine grained.
5-10	Sand, white to light yellow, medium to fine grained.
10-13.5	Sand, white to light 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

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B013
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): 13.0
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
0-5	Sand, yellow, medium grained.
5-10	Sand, yellow, medium grained.
10-13	Sand, white, medium grained.

Notes: All depths, lengths, heights, and elevations arc measured in feet. All boreholes are 4 inches in diameter. All wall casings and screens are 2-inch-diametcr; well screen slot sites 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 = belov land surface
TOC = top of cuing
BTOC = below top of casing

1500623

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B014
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): 12.5
8) Depth to water in borehole (BLS): 12.5
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, yellow to orange, medium grained.
4-9	Sand, light tan, medium grained.
9-12.5	Sand, orange, 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.: 15
2) Boring no./Well no.: P15B015
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): 12.5
8) Depth to water in borehole (BLS): 12.5
9) Highest open-borehole OVA/HnU reading (ppm): 0
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 vater 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, orange to yellow, medium grained.
4-9	Sand, light tan to white, medium grained
9-12.5	Sand, yellov 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 = belov land surface
TOC = top of casing
BTOC = below top of casing

1500624

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B005
3) Drilling firm: Thomason Drilling Service
4) Drilling method: HA
5) Date drilled/installed: 01/28/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 12.5
8) Depth to water in borehole (BLS): 12.5
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 LITBOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, light tan to light yellow, medium grained.
5-8	Sand, light tan, fine to medium grained.
8-10	Sand, light tan to light yellow, fine to medium grained.
10-11	Sand, light tan, medium grained.
11-12.s	Sand, light yellow to light orange, 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
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.: 15
2) Boring no./Well no.: P15B006
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 13.0
8) Depth to vatcr in borehole (BLS): 13.0
9) Highest open-borehole OVA/HnU reading (ppm): 0
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 vater 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
0-5	Sand, yellov, medium grained.
5-10	Sand, white to yellov, medium grained.
10-13	Sand, white, medium to fine grained.

Notes: All depths, lengths, heights, and elevations are measured in fact. All boreholes are 4 inches in diameter. All vell casings and screens are 2-inch-diameter; vell screen slot sites 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

1500625

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B007
3) Drilling firm: Thomason Drilling Service
4) Drilling method: HA
5) Date drilled/installed: 01/28/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 12.5
8) Depth to water in borehole (BLS): 12.5
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 LITHOLOGIC LOG

Sam le Depth (BLS)	Sample Description
0-5	Sand, dark yellow, fine to medium grained.
5-10	Sand,light tan to light yellow, fine to medium grained.
10-11.5	Sand, light tan to light yellow, medium grained.
11.5-12.5	Sand, light orange, 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

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B008
3) Drilling firm: Thomason Drilling Service
4) Drilling method: HA
5) Date drilled/installed: 01/28/91
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): 0
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
0-5	Sand, light yellow to dark yellow, fine to medium grained.
5-7	Sand, light yellov to light orange, fine to medium grained.
7-10	Sand, dark orange, fine to medium grained.
10-13	Surd, light tan to light ycllov, medium trained.

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 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

1500626

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B016
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): 12.5
8) Depth to water in borehole (BLS): 12.5
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 LITROLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to dark yellow, fine to medium grained.
4-9	Sand, light tan to light yellow, fine to medium grained.
9-12.5	Sand, white, 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
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.: 15
2) Boring no./Well no.: P15B017
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): 12.5
8) Depth to water in borehole (BLS): 12.S
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 LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, yellow, medium to fine grained.
5-10	Sand, yellow, medium to fine grained.
10-12.5	Sand, yellow, medium to fine 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 wing
BTOC = below top of casing

1500627

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B018
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 13.0
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 LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, yellow, medium grained.
5-10	Sand, yellow to gray, medium grained.
10-13	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) vas 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.: 15
2) Boring no./Well no.: P15B019/P15TW019
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: H. 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): 780
10) Depth of vell (BLS): 16.6
11) Length of well screen: 5
12) Length of casing (BLS): 11.57
13) Aprox. height of casing above land surface: 3.43
14) Depth to vater in vell (BTOC): 15.90
15) Elevation of TOC: 19.72
16) Water level elevation: 3.82
17) Date groundvater sampled: 01/25/91
18) pH (units): 6.20
19) Temperature (degrees C): 23.0
20) Specific conductance (umhos/cm): 380
22) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspace at top of casing 60 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to light yellov, fine to medium grained.
4-9	Sand, light tan to yellov, fine to medium grained.
9-13	Sand, light tan, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All vell casings and screens are 2-inch-diameter; vell screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless othervise 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 = belov top of casing

1500628

SOIL BORING/TEMPORARY HONITORING WELL INFOWTION

1) Site no.: 15
2) Boring no./Well no.: P15B020/P15TW020
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 12.5
8) Depth to water in borehole (BLS): 12.5
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): 16.0
11) Length of well screen: 5
12) Length of casing (BLS): 11.04
13) Aprox. height of casing above land surface: 3.96
14) Depth to water in well (BTOC): 16.16
15) Elevation of TOC: 20.61
16) Water level elevation: 4.45
17) Date groundwater sampled: 01/25/91
18) pH (units): 6.20
19) Temperature (degrees C): 25.0
20) Specific conductance (umhos/cm): 170
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 150 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to light orange, fine to medium grained.
4-9	Sand, light orange, fine to medium grained.
9-12.5	Sand, light tan to white, 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 INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B021/P15TW021
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): *17.0*
8) Depth to water in borehole (BLS): 13.0
9) Highest open-borehole OVA/HnU reading (ppm): 200
10) Depth of well (BLS): 16.8
11) Length of well screen: 5
12) Length of casing (BLS): 11.83
13) Aprox. height of casing above land surface: 3.17
14) Depth to water in well (BTOC): 1S.77
15) Elevation of TOC: 19.64
16) Water level elevation: 3.87
17) Date groundwater sampled: 01/25/91
18) pH (units): 6.40
19) Temperature (degrees C) : 26.0
20) Specific conductance (umhos/cm): 210
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspace at top of casing 16 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, yellow to black, medium grained (organics present).
5-10	Sand, yellow to white, medium grained.
10-13	Sand, yellow to white, medium grained.

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

1500629

SOIL BORING/TEMPORARY MONITORING VELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15BO22/P15TWO22
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilledlinstalled: 01/25/91
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): *0*
10) Depth of well (BLS): 15.9
11) Length of vell screen: *5*
12) Length of casing (BLS): 10.90
13) Aprox. height of casing above land surface: 4.10
14) Depth to water in well (BTOC): 16.20
15) Elevation of TOC: *20.41*
16) Water level elevation: 4.21
17) Date groundwater sampled: 01/25/91
18) pH (units): *6.40*
19) Temperature (degrees C): 23.0
20) Specific conductance (umhos/cm): 310
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu backgroung 1.5 ppm., Hnu headspace at top of casing *126* ppm.

BOREHOLE LITBOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, dark yellow, medium grained.
4-9	Sand, light tan to light brown, fine to medium grained.
9-13	Sand, light tan to light brown, 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
BA = hand auger

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

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B023/P15TW023
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
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): 4
10) Depth of well (BLS): 15.7
11) Length of well screen: 5
12) Length of casing (BLS): 10.70
13) Aprox. height of casing above land surface: 4.30
14) Depth to water in well (BTOC): 16.16
15) Elevation of TOC: 20.44
16) Water level elevation: 4.28
17) Date groundwater sampled: 01/25/91
18) pH (wits): 6.40
19) Temperature (degrees C): 22.0
20) Specific conductance (umhos/cm): 340
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspace at top of casing 25 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light yellow to dark yellow, fine to medium grained.
4-9	Sand, light yellow, fine to medium grained.
9-13	Sand, light yellow to light orange, 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

1500630

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 15
2) Boring no./Well no.: P15B024/P15TW024
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 18.0
8) Depth to water in borehole (BLS): 12.5
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): 16.6
11) Length of well screen: 5
12) Length of casing (BLS): 11.56
13) Aprox. height of casing above land surface: 3.44
14) Depth to water in well (BTOC): 15.21
15) Elevation of TOC: 19.91
16) Water level elevation: 4.70
17) Date groundwater sampled: 01/26/91
18) pH (units): 6.20
19) Temperature (degrees C): 24.0
20) Specific conductance (umhos/cm): 175
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, dark brown to yellow, medium to fined grained.
5-10	Sand, yellow to white, medium to fine grained.
10-12.5	Sand, white to 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

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B025/P15TW025
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 16.5
8) Depth to water in borehole (BLS): 12.5
9) Highest open-borehole OVA/HnU reading (ppm): 1
10) Depth of well (BLS): 16.7
11) Length of well screen: 5
12) Length of casing (BLS): 11.72
13) Aprox. height of casing above land surface: 3.20
14) Depth to water in well (BTOC): 15.10
15) Elevation of TOC: 19.25
16) Water level elevation: 4.15
17) Date groundwater sampled: 01/26/91
18) pH (units): 6.90
19) Temperature (degrees C): 20.0
20) Specific conductance (umhos/cm): 500
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 160 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, black to yellow, medium grained.
5-10	Sand, white, medium grained.
10-12.5	Sand, white, 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 rlot 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
EA = hand auger

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

1500631

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B026/P15TW026
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
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): 0
10) Depth of well (BLS): 15.7
11) Length of well screen: 5
12) Length of casing (BLS): 10.65
13) Aprox. height of casing above land surface: 4.35
14) Depth to water in well (BTOC): 16.43
15) Elevation of TOC: 20.73
16) Water level elevation: 4.30
17) Date groundwater sampled: 01/26/91
18) pH (units): 6.80
19) Temperature (degrees C): 22.0
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 50 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light tan to light orange, fine to medium grained.
4-9	Sand, light tan to off white, fine to medium grained.
9-13	Sand, light 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-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 HONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B027/P15TW027
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: M. Grecu
7) Depth of boring (BLS): 12.7
8) Depth to water in borehole (BLS): 12.7
9) Highest open-borehole OVA/HnU reading (ppn): 3
10) Depth of vell (BLS): 15.5
11) Length of vell screen: 5
12) Length of casing (BLS): 10.52
13) Aprox. height of casing above land surface: *4.48*
14) Depth to water in vell (BTOC): 16.03
15) Elevation of TOC: 20.72
16) Vater level elevation: 4.69
17) Date groundvater sampled: 01/26/91
18) pH (units): 6.80
19) Temperature (degrees C): 22.0
20) Specific conductance (umhos/cm): 200
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Hnu headspace at top of casing 96 ppm.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-4	Sand, light yellow to medium orange, medium grained.
4-9	Sand, light yellow, fine to medium grained.
9-12.7	Sand, light tan to white, fine to medium grained

Notes: All depths, lengths, heights, urd elevations are measured in feet. All boreholes are 4 inches in diytcr. All well casings and screens are 2-inch-diameter; well screen s ot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was vved in vell 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

1500632

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 15
2) Boring no./Well no.: P15B028/P15TW028
3) Drilling firm: Thomason Drilling Service
4) Drilling method: SSA
5) Date drilled/installed: 01/25/91
6) Geologist: J. Strickland
7) Depth of boring (BLS): 18.0
8) Depth to water in borehole (BLS): 12.5
9) Highest open-borehole OVA/HnU reading (ppm): 0
10) Depth of well (BLS): 16.6
11) Length of well screen: 5
12) Length of casing (BLS): 11.57
13) Aprox. height of casing above land surface: 3.43
14) Depth to water in well (BTOC): 15.26
15) Elevation of TOC: 19.43
16) Water level elevation: 4.17
17) Date groundwater sampled: 01/26/91
18) pH (units): 6.80
19) Temperature (degrees C): 20.0
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Hnu headspace at top of casing 30 ppm.

BOREEOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-5	Sand, black to yellow, medium grained,
5-10	Sand, white, medium to fine grained.
10-12.5	Sand, white, medium to fine 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) vas 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

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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]
1 Invoices Sent to Accounting	[illegible]	[illegible]

Comments/Notes: [illegible]

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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		
Gen. Chem.		
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)		
[illegible] Copies of Report Sent to: [illegible]	[illegible]	[illegible]
[illegible] Invoices Sent to Accounting	[illegible]	[illegible]

Comments/Notes: [illegible]

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1500635

ecology and environment, inc.

QUALITY ,ASSURANCE PROTOCOL REVIEW

Job No.: Circ. 193 Date: 2/26/91

Report Title:

Client: PENSACOLA

Laboratory Data Review	Supervisor	Date
Metals	[illegible]	3-1-91
Gen. Chem.	[illegible]	3-1-91
GC	[illegible]	3-1-91
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written by:	various/[illegible]	2/26/91
1st Draft Reviewed by:	[illegible]	2/27/91
CIRCULATED: 2nd Draft Reviewed by: (If needed)	[illegible]	2/28/91
Final Review by Author:		
ASC Manager:	[illegible]	3-4-91
QA Officer:		
Corp. Project Manager: J. BARKSDALE (Internal Job) REVIEW, SIGN, RETURN		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
1 Copies of Report Sent to: J. BARKSDALE	[illegible]	3/6/91
1 Invoices Sent to Accounting	[illegible]	3/6/91

Comments/Notes: Chk RPD on

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ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

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

Report Title:

Client: [illegible]

Laboratory Data Review	Supervisor	Date
Metals	[illegible]	2-22-91
Gen. Chem.	[illegible]	2-22-91
GC	[illegible]	2-22-91
GC/MS		
Micro, Asbestos		
Other		

	Signature	Date
Report Written by:	[illegible]	2/22/91
1st Draft Reviewed by: Initiated	[illegible]	2/22/91
2nd Draft Reviewed by: (If needed)		
Final Review by Author:	[illegible]	[illegible]
ASC Manager:	[illegible]	2-21-91
QA Officer:		
Corp. Project Manager: (Internal Job) Candidate review, return to HC		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
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1 Invoices Sent to Accounting	[illegible]	[illegible]

Comments/Notes:

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1500636

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Hahn

DATE: February 19, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.171

CC: Lab File

Attached is the laboratory report of the analysis conducted on nine 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 6 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

REP: 9100.182

CC: Lab Pile

Attached is the laboratory report of the analysis conducted on eighteen 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 B & 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, with such charges accruing until destruction of the samples is 8uthorit.d by the client.

GH:tms
enclosure

1500637

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Aahn

DATE: March 1, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.193

CC: Lab File

Attached is the laboratory report of the analysis conducted on fifty eight samples received at the Analytical Services Center on January 26, 1991. Analysis was performed according to the screening procedures set forth in "Generic Ouality 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:jp
enclosure

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

REP: 9100.198

CC: Lab File

Attached is the laboratory report of the analysis conducted on twelve samples received at the Analytical Services Center on January 29, 1991. Analysis vas 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 & B for a period of 30 day8 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

1500638

Job # 9100.171
Sample Range 1523 → 1670

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CHAIN-OF-CUSTODY RECORD

Page [redacted]

Project No.: WH6040
Project Name: NASP Phase I A-E
Project Manager: John Barksdale
Samplers (Signature): [illegible]
Field Team Leader: Andy Tuttle

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening PAHs	Pesticides	Organophosphorus Pesticides	Screening Total PCBs	Screening Metals	Screening VOCs	REMARKS
155 001A	1/22	1443	X			low level	site 15, boring 1	3	X	X	X	X	X	X	8 oz jars
155 001B		1450					boring 1								lot # V0298023
155 001C		1501					boring 1								QC # 20879C
155 003A		1522					boring 3								VOAs #
155 003B		1526					boring 3								lot # 39234023
155 003C		1531					boring 3								QC # B861C
155 004A		1550					boring 4								
155 004B		1556					boring 4								
155 004C		1604					boring 4								

Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)
		FedEx			
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature) FedEx	Date/Time 1-22-91	Received For Laboratory By (Signature) Brian [illegible]	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)

Ship Via: Federal Express
BL/Airbill Number: 9747916 0351
Date: 1/22/91

234055

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*See CONCENTRATION RANGE on back of form.

1500639

Job# 9100.182
Sample Range 1668 → 1685

Analyzed all Parameters as per site specific QAPP. See Barb Karjawski.

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project No.: UH6044
Project Name: RASP Phase 2 Screening Site 15
Project Manager: John Barksdale
Samplers (Signature): J. Hilliard, Ronald C Lord
Field Team Leader: Justin Strickland

	STATION NUMBER	DATE (1991)	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening VOCs	Screening PAH	Screening Organochlorine Pest.	Screening PCB	Screening Pesticides	Screening Metals	TRPHS	Screening Cyanides	REMARKS
SS	009A	1-23	1516	X			Low Levels	Boring #9	3	X	X	X	X	X	X	X	X	Bag Lot #X03 13 QC #X0942
SS	009B	1-23	1522	X				Boring #9	3	X	X	X	X	X	X	X	X	
SS	009C	1-23	1530	X				Boring #9	3	X	X	X	X	X	X	X	X	
SS	013A	1-23	1518	X				Boring #13	3	X	X	X	X	X	X	X	X	UXA Lot #B72 23 QC # B86
SS	013B	1-23	1525	X				Boring #13	3	X	X	X	X	X	X	X	X	
SS	013C	1-23	1530	X				Boring #13	3	X	X	X	X	X	X	X	X	
SS	017A	1-22	1540	X				Boring #17	3	X	X	X	X	X	X	X	X	
SS	017B	1-23	1545	X				Boring #17	3	X	X	X	X	X	X	X	X	
SS	017C	1-23	1548	X				Boring #17	3	X	X	X	X	X	X	X	X	
SS	014A	1-23	1454	X				Boring #14	3	X	X	X	X	X	X	X	X	
SS	014B	1-23	1458	X				Boring #14	3	X	X	X	X	X	X	X	X	
SS	014C	1-23	1507	X				Boring #14	3	X	X	X	X	X	X	X	X	
SS	015A	1-23	1521	X				Boring #15	3	X	X	X	X	X	X	X	X	
SS	015B	1-23	1526	X				Boring #15	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)
J. Hilliard	1-23-91/1800	Fed Ex			
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)
Fed Ex	1-24-91	Susan Gordon			

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Date: 1-

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...ONCENTRATION RANGE on back of form.

Job# 9100.182
Sample Range 1668 — 1685

Analyzed all Parameters as per Site Specific QAPP, See Barb Karjauski.

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International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: U46044
Project Name: NHSP Phase 2 Screening Site 15
Project Manager: John Barkstale
Samplers (Signatures): J. Strickland
Field Team Leader: Justin Strickland

	STATION NUMBER	DATE (1991)	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening VOCs	Screening PAH	Screening Organophosphorus Pest.	Screening PCBs	Screening Pesticides	Screening Metals	Screening Carbamates	TPHs	REMARKS
P155	015C	1-23	1532	X			Low Levels	Boring #15	3	X	X	X	X	X	X	X	X	
~~P155~~																		
P155	016A	1-23	1541	X			Low Levels	Boring #16	3	X	X	X	X	X	X	X	X	Bag Lot # X0331013
P155	016B	1-23	1545	X			Low Levels	Boring #16	3	X	X	X	X	X	X	X	X	QC # X0942C
P155	016C	1-23	1551	X			Low Levels	Boring #16	3	X	X	X	X	X	X	X	X	
																		VOA Lot # B9234023
																		QC # 0861C

Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
[signature]	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: 9747910303 — Date: 1-23-91
Relinquished By: (Signature) Fed Ex	Date/Time 0900 1-24-91	Received For Laboratory By (Signature) Brian Jensen	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form

2340

Job # 9100.198
Sample Range 1858 → 1869

Required by site specific QAPP (See BARB KRASEWSKI)

ecology and environment, inc.
339 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-B
Project Manager: JOHN BARKSDALE
Samplers: (Signature) Mike Grecu
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'S	SCREENING BNA'S	SCREENING CARCINOGENS	SCREENING ORGANOCHLORINE PESTICIDES	SCREENING PEST & PCB'S	TEPH'S (418.1)	SCREENING METALS	REMARKS
5008A	1/28	1205	✓			Low Level	BORING 008A	3	X	X	X	X	X	X	X	VOA LOT# B021/4013
5008B	1/28	1225	✓			" "	BORING 008B	3	X	X	X	X	X	X	X	QC# B1230C
5008C	1/28	1241	✓			" "	BORING 008C	3	X	X	X	X	X	X	X	
5007A	1/28	1401	✓			" "	BORING 007A	3	X	X	X	X	X	X	X	8oz LOT# X0331013
5007B	1/28	1422	✓			" "	BORING 007B	3	X	X	X	X	X	X	X	QC# X0942C
5007C	1/28	1434	✓			" "	BORING 007C	3	X	X	X	X	X	X	X	
5005A	1/28	1508	✓			" "	BORING 005A	3	X	X	X	X	X	X	X	
5005B	1/28	1525	✓			" "	BORING 005B	3	X	X	X	X	X	X	X	
5005C	1/28	1536	✓			" "	BORING 005C	3	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	1/28/90 1700	Fed Ex				FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	BL/Airbill Number: 9564602961 — Date: 1/28/91
Relinquished By: (Signature) Fed Ex	Date/Time: 1-29-91	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	

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*See CONCENTRATION RANGE on back of form.

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Job # 9100.198
Sample Range 1858 → 1869

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300 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-[redacted]
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: 4H6040
Project Name: NASP PHASE I A-E
Project Manager: J. BARKSDALE
Samplers: (Signatures) Mike Clouts / [illegible]
Field Team Leader: M. CLOUTS

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING PAHS	CARCINOGENICS	CHLORINATED HYDROCARBONS	PESTICIDES	PESTICIDES + TOTAL PCBS	SCREENING METALS	SCREENING VOCS 418.1	REMARKS
P15	GW#27	1-25	1300		X	LOW	SITE 15, WELL # 27	5	X	X	X	X	X	X	X	1/2 GAL AMBER:
P15	GW#24	1-25	1320		↓	↓	↓, WELL # 24	5	↓	↓	↓	↓	↓	↓	↓	LOT # 10115013
P15	GW#28	1-25	0900		↓	↓	↓, WELL # 28	5	↓	↓	↓	↓	↓	↓	↓	QC # 10413C
																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
Mike Clouts	1-28-91 / 1700	Fed Ex				FEDX
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	BL/Airbill Number: 9564602983
Relinquished By: (Signature)	Date/Time: 1630	Received For Laboratory By (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By (Signature)	Date: 1-29-91
Fed Ex	1-29-91	Brian Benson				

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

234055

Analyzed as per Site Specific QAPP. See Barb Kazyewski

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388 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 Screening Site 15
Project Manager: John Barkeloles
Samplers (Signature): [signature]
Field Team Leader: Justin E. Strickland

STATION NUMBER	DATE (1991)	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening VOC's	Screening Chlorinated	Screening Organochlorine Pesticides	Screening Pesticide + Total PCBs	Screening Metals	TIC PAHs	Screening PAHs	REMARKS
P155 010A	1-25	0835	X			Low Levels	Boring # 10	3	X	X	X	X	X	X	X	Bag. lot # X079823
P155 010B	1-25	0840	X				Boring # 10	3	X	X	X	X	X	X	X	QC # X0879C
P155 010C	1-25	0845	X				Boring # 10	3	X	X	X	X	X	X	X	
P155 011A	1-25	0855	X				Boring # 11	3	X	X	X	X	X	X	X	WA's lot # B0207033
P155 011B	1-25	0900	X				Boring # 11	3	X	X	X	X	X	X	X	QC # B1219C
P155 011C	1-25	0905	X				Boring # 11	3	X	X	X	X	X	X	X	
P155 012A	1-25	0925	X				Boring # 12	3	X	X	X	X	X	X	X	
P155 012B	1-25	0930	X				Boring # 12	3	X	X	X	X	X	X	X	
P155 012C	1-25	0935	X				Boring # 12	3	X	X	X	X	X	X	X	
P155 002A	1-25	1023	X				Boring # 2	3	X	X	X	X	X	X	X	
P155 002B	1-25	1028	X				Boring # 2	3	X	X	X	X	X	X	X	
P155 002C	1-25	1036	X				Boring # 2	3	X	X	X	X	X	X	X	
P155 006A	1-25	0950	X				Boring # 6	3	X	X	X	X	X	X	X	
P155 006B	1-25	0955	X				Boring # 6		X	X	X	X	X	X	X	

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
[signature]	1-25-91/1800				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)
Fed Express	1-26-91/1045	[signature]			

Ship Via: Federal Express
BL/Airbill Number: 8177520411
Date: 1-25-91

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*See CONCENTRATION RANGE on back of form.

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Kargewski

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

CHAIN-OF-CUSTODY RECORD

Project No.: 4H6044
Project Name: NASP Phase I Screening Site 15
Project Manager: John Barkstale
Sampler(s) (Signature): [illegible]
Field Team Leader: Justin E. Strickland

	STATION NUMBER	DATE (1991)	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening VOC's	Screening Cadmium	Screening Organochlorine Pesticides	Screening Petroleum Total Pb	Screening Metals	Screening PAHs	TAPH	REMARKS
P15.																	
P15.																	
P15. P155	006C	1-25	1005	X			Low Levels	Boring #6	3	X	X	X	X	X	X	X	Boz. Lot # X079823 QC # X0879C
P15. P155	018A	1-25	1140	X				Boring #18	3	X	X	X	X	X	X	X	
P15. P155	018B	1-25	1145	X				Boring #18	3	X	X	X	X	X	X	X	
P155 P155	018C	1-25	1150	X				Boring #18	3	X	X	X	X	X	X	X	VOA's Lot # B0207033 QC # B1219C
P155 P155	021A	1-25	1215	X				Boring # ~~18~~ 21	3	X	X	X	X	X	X	X	
P155 P1550	021AD	1-25	1215	X				Boring # 21	3	X	X	X	X	X	X	X	
P155 P155	021B	1-25	1220	X				Boring # 21	3	X	X	X	X	X	X	X	
P155 P155	021C	1-25	1226	X				Boring # 21	3	X	X	X	X	X	X	X	
P155 P155	024A	1-25	1440	X				Boring # 24	3	X	X	X	X	X	X	X	
P155 P155	024AD	1-25	1440	X				Boring # 24	3	X	X	X	X	X	X	X	
P155 P155	024B	1-25	1448	X				Boring # 24	3	X	X	X	X	X	X	X	
P155 P155	024C	1-25	1456	X				Boring # 24	3	X	X	X	X	X	X	X	
P155 P155	025A	1-25	1525	X				Boring # 25	3	X	X	X	X	X	X	X	
P155	025B	1-25	1530	X				Boring # 25	3	X	X	X	X	X	X	X	

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
[illegible]	1-25-91/1800				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)
Fed Express	1-26-91/1045	[illegible]			

Ship Via: Federal Express
BL/Airbill Number: 8177520411
Date: 1-25-91

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234055

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

150064

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388 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 Greco
Field Team Leader: MIKE GRECO

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING PAH	SCREENING CARBAMATES	SCREENING ORGANOPHOSPHORUS PEST	SCREENING PEST & PCB'S	SCREENING METALS TRPH'S (418.1)	SCREENING VOC	REMARKS
P/S	S019A	1/25	1035	✓			LOW Level	BORING 19A	3	X	X	X	X	X	X	X	Bay LOT# X027823
P/S	S019B	1/25	1043	✓			" "	BORING 19B	3	X	X	X	X	X	X	X	QC# X0879C
P/S	S019C	1/25	1050	✓			" "	BORING 19C	3	X	X	X	X	X	X	X	
P/S	S020A	1/25	1122	✓			" "	BORING 20A	3	X	X	X	X	X	X	X	VOA LOT# B020 7033
P/S	S020B	1/25	1135	✓			" "	BORING 20B	3	X	X	X	X	X	X	X	QC# B1219C
P/S	S020C	1/25	1142	✓			" "	BORING 20C	3	X	X	X	X	X	X	X	
P/S	S022A	1/25	1213	✓			" "	BORING 22A	3	X	X	X	X	X	X	X	
P/S	S022A DUP	1/25	1213	✓			" "	BORING 22A DUP	3	X	X	X	X	X	X	X	
P/S	S022B	1/25	1216	✓			" "	BORING 22B	3	X	X	X	X	X	X	X	
P/S	S022C	1/25	1224	✓			" "	BORING 22C	3	X	X	X	X	X	X	X	
P/S	S023A	1/25	1445	✓			" "	BORING 23A	3	X	X	X	X	X	X	X	
P/S	S023B	1/25	1450	✓			" "	BORING 23B	3	X	X	X	X	X	X	X	
P/S	S023C	1/25	1457	✓			" "	BORING 23C	3	X	X	X	X	X	X	X	
P/S	S023A DUP	1/25	1445	✓			" "	BORING 23A DUP	3	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 Greco	1/25/91 1700					FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	BL/Airbill Number
Fed. Express	1-26-91 1045	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time	Received For Laboratory By: (Signature)	8177520422 — Date 1/25/91

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*See CONCENTRATION RANGE on back of form.

234065

ANALYZE AS REQUIRED QAPP (SEE BARB KRASEWS. ITE SPECI

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388 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 Grecu / Arnold C Lind
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	SCREENING CARBAMATES	SCREENING ORGANOPHOSPHORUS PEST	SCREENING PCB	SCREENING METALS	TRPH (418.1)	SCREENING VOC	REMARKS
P15	S026A	1/25	1536	✓			Low Level	BORING 26 A	3	X	X	X	X	X	X	X	Sig LOT# X029823
P15	S026B	1/25	1539	✓			" "	BORING 26 B	3	X	X	X	X	X	X	X	QC# X0879C
P15	S026C	1/25	1541	✓			" "	BORING 26 C	3	X	X	X	X	X	X	X	
P15	S027A	1/25	1610	✓			" "	BORING 27A	3	X	X	X	X	X	X	X	VOA LOT# B0207033
P15	S027B	1/25	1614	✓			" "	BORING 27B	3	X	X	X	X	X	X	X	QC# B1219C
P15	S027C	1/25	1621	✓			" "	BORING 27C	3	X	X	X	X	X	X	X	

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Mike Grecu	1/25/91 1700					FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	BL/Airbill Number: 8177520422
Relinquished By: (Signature) Fed. Express	Date/Time: 1-26-91 1045	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Date: 1/25/91

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234056

Analyzed, 1ts per site specific QAPP. See Bob Kanjenski

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

1500643

CHAIN-OF-CUSTODY RECORD

Project No.: 4116044
Project Name: NASA Phase I Screening Site 15
Project Manager: John Barkstrom
Samplers: (Signature) J. Stockhard
Field Team Leader: Justin Stockhard

	STATION NUMBER	DATE (1991)	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening VOCs	Screening Semivolatiles	Screening Organophosphorus Pest.	Screening Pesticides + Total PCB	Screening Metals	Screening PAHs	Screening TRPH	REMARKS
PISS	028C	1-25	1538	X			Low-Level	Boring #	3	X	X	X	X	X	X	X	Bag lot # X029823
PISS	028A	1-25	1605	X				Boring #	3	X	X	X	X	X	X	X	QC # X0879C
PISS	028B	1-25	1610	X				Boring #	3	X	X	X	X	X	X	X	
PISS	028C	1-25	1615	X				Boring #	3	X	X	X	X	X	X	X	VOA's lot # B0207033
																	QC # B1219C

J. Stockhard 1-25-91

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J. Stockhard	1-25-91/1900				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By (Signature)
Fed. Express	1-26-91/0945	[illegible]			

Ship Via: Federal Express
BL/Airbill Number: 8177520411
Date: 1-25-91

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

CHAIN-OF-CUSTODY RECORD

Project No.: 4H6040
Project Name: NASP PHASE I AE
Project Manager: J. Barksdale
Samplers: (Signatures) J. Fugitt, Mike Conti
Field Team Leader: J. Fugitt

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Screening PAHs	Screening Organics	Screening Organophosphorus pesticides	Screening pesticides & total PCBs	Screening 418.1 & methods	Screening VOCs	REMARKS
P15	GW#19	1/25	1210		X		LOW	SITE 15, well 19	5	X	X	X	X	X	X	X	1/2 gallon amber:
	GW#20	↓	1240		↓		↓	well 20	↓	↓	↓	↓	↓	↓	↓	↓	lot # X0115013
	GW#20D	↓	1240		↓		↓	well 20, Dup	↓	↓	↓	↓	↓	↓	↓	↓	QC # X0413C
																	liter amber:
																	lot # 9223013
																	QC # 3272C
																	poly:
																	lot # 0304013
																	QC # 0884C
																	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	1/25/91 1900					FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	BL/Airbill Number: 8177520433
Relinquished By: (Signature) Fed. Express	Date/Time: 1-26-91/1045	Received For Laboratory By: (Signature) William H. Warren	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Date: 1-25-91

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234055

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International Specialists in the Environment

1500644

CHAIN-OF-CUSTODY RECORD

Project No.: UH6040
Project Name: NASP PHASE I A-E
Project Manager: J. Barksdale
Samplers: (Signature) 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	Carbonates	organophosphorus pesticides	polychlorinated biphenyls	Screening metals at total & diss.	UV/VIS Screening	Screening VOCs	REMARKS
PIS	CW421	1/25	1545		X		Low	SITE 15, well 21	5	X	X	X	X	X	X	X	1/2 gal Amber:
	CW422	↓	1505		↓		↓	↓ well 22	↓	↓	↓	↓	↓	↓	↓	↓	lot # X0115013
↓	CW423	↓	1620		↓		↓	↓ well 23	↓	↓	↓	↓	↓	↓	↓	↓	QC # X0413C
																	liter Amber:
																	lot # 9223013
																	QC # 3282C
																	Poly:
																	lot # 0304013
																	QC # 0285C
																	VOAs:
																	lot # 60207053
																	QC # 81219C

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By (Signature)	Ship Via
J. Fugitt	1/25/91 1900					FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By (Signature)	BL/Airbill Number: 9564603005
Relinquished By: (Signature) Fed. Express	Date/Time: 1-26-91/0915	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By (Signature)	Date: 1-25-91

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

234055

JOB NUMBER : 9100.171

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1562.01	P15-S001A	SPNPRG1	01/22/91		01/29/91
1562.02	P15-S001A	SPNTPHl	01/22/91		01/28/91
1562.03	P15-S001A	SPNCRBl	01/22/91		02/14/91
		SPNMETl	01/22/91		01/24/91
		SPNOPPl	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1563.01	P15-S001B	SPNPRG1	01/22/91		01/29/91
1563.02	P15-S001B	SPNTPHl	01/22/91		01/28/91
1563.03	P15-S001B	SPNCRB1	01/22/91		02/14/91
		SPNMETl	01/22/91		01/24/91
		SPNOPP1	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1564.01	P15-S001C	SPNPRGl	01/22/91		01/29/91
1564.02	P15-S001C	SPNTPHl	01/22/91		01/28/91
1564.03	P15-S001C	SPNCRBl	01/22/91		02/15/91
		SPNMETl	01/22/91		01/24/91
		SPNOPPl	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1565.01	P15-S003A	SPNPRGl	01/22/91		01/29/91
1565.02	P15-S003A	SPNTPHl	01/22/91		01/28/91
1565.03	P15-S003A	SPNCRBl	01/22/91		02/15/91
		SPNMETl	01/22/91		01/24/91
		SPNOPPl	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1566.01	P15-S003B	SPNPRGl	01/22/91		01/29/91
1566.02	P15-S003B	SPNTPHl	01/22/91		01/28/91
1566.03	P15-S003B	SPNCRBl	01/22/91		02/15/91
		SPNMETl	01/22/91		01/24/91
		SPNOPPl	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1567.01	P15-S003C	SPNPRGl	01/22/91		01/29/91
1567.02	P15-S003C	SPNTPHl	01/22/91		01/28/91
1567.03	P15-S003C	SPNCRBl	01/22/91		02/15/91
		SPNHET1	01/22/91		01/24/91
		SPNOPPl	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAHl	01/22/91		02/06/91
1568.01	P15-S004A	SPNPRG1	01/22/91		01/29/91
1568.02	P15-S004A	SPNTPHl	01/22/91		01/28/91
1568.03	P15-S004A	SPNCRB1	01/22/91		02/15/91
		SPNMET1	01/22/91		01/24/91
		SPNOPP1	01/22/91		01/28/91

JOB NUMBER : 9100.171

Ecology and Enviranment, Inc.
SAMPLE TRACKING REPORT

LAB SAHPLE ID	CLIENT SAHPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1568.03	P15-S004A	SPNP&P1	01/22/91		01/26/91
		SPNPAH1	01/22/91		02/06/91
1569.01	P15-S004B	SPNPRGl	01/22/91		01/29/91
1569.02	P15-S004B	SPNTPH1	01/22/91		01/28/91
1569.03	P15-S004B	SPNCRB1	01/22/91		02/15/91
		SPNMET1	01/22/91		01/24/91
		SPNOPP1	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAH1	01/22/91		02/06/91
1570.01	P15-S004C	SPNPRG1	01/22/91		01/29/91
1570.02	P15-S004C	SPNTPH1	01/22/91		01/28/91
1570.03	P15-S004C	SPNCRB1	01/22/91		02/15/91
		SPNMET1	01/22/91		01/24/91
		SPNOPP1	01/22/91		01/28/91
		SPNP&P1	01/22/91		01/26/91
		SPNPAH1	01/22/91		02/06/91

1500645

JOB NUMBER : 9100.198

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1858.01	P15-S005A	SPNPRG1	01/28/91		02/01/91
1858.02	P15-S005A	SPNTPHl	01/28/91		02/01/91
1858.03	P15-S005A	SPNCRBl	01/28/91		02/17/91
		SPNMETl	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAHl	01/28/91		02/07/91
1859.01	P15-S005B	SPNPRGl	01/28/91		02/01/91
1859.02	P15-S005B	SPNTPHl	01/28/91		02/01/91
1859.03	P15-S005B	SPNCRB1	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPP1	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAHl	01/28/91		02/07/91
1860.01	P15-S005C	SPNPRGl	01/28/91		02/01/91
1860.02	P15-S005C	SPNTPH1	01/28/91		02/01/91
1860.03	P15-S005C	SPNCRBl	01/28/91		02/17/91
		SPNMETl	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAHl	01/28/91		02/07/91
1861.01	P15-S007A	SPNPRGl	01/28/91		02/01/91
1861.02	P15-S007A	SPNTPHl	01/28/91		02/01/91
1861.03	P15-S007A	SPNCRBl	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPP1	01/28/91		02/05/91
		SPNPCPl	01/28/91		02/05/91
		SPNPAHl	01/28/91		02/07/91
1862.01	P15-S007B	SPNPRGl	01/28/91		02/01/91
1862.02	P15-S007B	SPNTPHl	01/28/91		02/01/91
1862.03	P15-S007B	SPNCRBl	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1863.01	P15-S007C	SPNPRGl	01/28/91		02/01/91
1863.02	P15-S007C	SPNTPHl	01/28/91		02/01/91
1863.03	P15-S007C	SPNCRBl	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAHl	01/28/91		02/07/91
1864.01	P15-S008A	SPNPRGl	01/28/91		02/01/91
1864.02	P15-S008A	SPNTPHl	01/28/91		02/01/91
1864.03	P15-S008A	SPNCRBl	01/28/91		02/17/91
		SPNMETl	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91

JOB NUMBER : 9100.198

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1864.03	P15-S008A	SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1865.01	P15-S008B	SPNPRG1	01/28/91		02/01/91
1865.02	P15-S008B	SPNTPH1	01/28/91		02/01/91
1865.03	P15-S008B	SPNCRB1	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPP1	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1866.01	P15-S008C	SPNPRGl	01/28/91		02/01/91
1866.02	P15-S008C	SPNTPH1	01/28/91		02/01/91
1866.03	P15-S008C	SPNCRB1	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPP1	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1867.01	P15-GW024	WPNPRG1	01/25/91		02/02/91
1867.03	P15-GW024	WPNCRB1	01/25/91		02/19/91
		WPNOPP1	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1867.04	P15-GW024	WPNTPH1	01/25/91		01/30/91
1867.05	P15-GW024	WPNMET1	01/25/91		01/30/91
1868.01	P15-GW027	WPNPRG1	01/25/91		02/02/91
1868.03	P15-GW027	WPNCRB1	01/25/91		02/17/91
		WPNOPP1	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1868.04	P15-GW027	WPNTPH1	01/25/91		01/30/91
1868.05	P15-GW027	WPNMET1	01/25/91		01/30/91
1869.01	P15-GW028	WPNPRG1	01/25/91		02/02/91
1869.03	P15-GW028	WPNCRB1	01/25/91		02/17/91
		WPNOPP1	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1869.04	P15-GW028	WPNTPH1	01/25/91		01/30/91
1869.05	P15-GW028	WPNMET1	01/25/91		01/30/91

1500646

JOB NUMBER : 9100.182

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1668.01	P15-S009A	SPNPRG1	01/23/91		01/29/91
1668.02	P15-S009A	SPNTPHl	01/23/91		01/29/91
1668.03	P15-S009A	SPNCRB1	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAHl	01/23/91		02/06/91
1669.01	P15-S009B	SPNPRGl	01/23/91		01/29/91
1669.02	P15-S009B	SPNTPH1	01/23/91		01/29/91
1669.03	P15-S009B	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1670.01	P15-S009C	SPNPRGl	01/23/91		01/29/91
1670.02	P15-S009C	SPNTPH1	01/23/91		01/29/91
1670.03	P15-S009C	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAHl	01/23/91		02/06/91
1671.01	P15-S013A	SPNPRGl	01/23/91		01/29/91
1671.02	P15-S013A	SPNTPHl	01/23/91		01/29/91
1671.03	P15-S013A	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1672.01	P15-S013B	SPNPRGl	01/23/91		01/29/91
1672.02	P15-S013B	SPNTPHl	01/23/91		01/29/91
1672.03	P15-S013B	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1673.01	P15-S013C	SPNPRGl	01/23/91		01/29/91
1673.02	P15-S013C	SPNTPHl	01/23/91		01/29/91
1673.03	P15-S013C	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1674.01	P15-S014A	SPNPRGl	01/23/91		01/29/91
1674.02	P15-S014A	SPNTPH1	01/23/91		01/29/91
1674.03	P15-S014A	SPNCRBl	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/29/91

JOB NUMBER : 9100.182

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1674.03	P15-S014A	SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1675.01	P15-S014B	SPNPRGl	01/23/91		01/29/91
1675.02	P15-S014B	SPNTPH1	01/23/91		01/29/91
1675.03	P15-S014B	SPNCRB1	01/23/91		02/15/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1676.01	P15-S014C	SPNPRGl	01/23/91		01/29/91
1676.02	P15-S014C	SPNTPH1	01/23/91		01/29/91
1676.03	P15-S014C	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1677.01	P15-S015A	SPNPRG1	01/23/91		01/29/91
1677.02	P15-S015A	SPNTPH1	01/23/91		01/29/91
1677.03	P15-S015A	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1678.01	P15-S015B	SPNPRG1	01/23/91		01/29/91
1678.02	P15-S015B	SPNTPH1	01/23/91		01/29/91
1678.03	P15-S015B	SPNCRB1	01/23/91		02/16/91
		SPNMET1	01/23/91		01/25/91
		SPNOPP1	01/23/91		01/29/91
		SPNP&P1	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1679.01	P15-S015C	SPNPRG1	01/23/91		01/29/91
1679.02	P15-S015C	SPNTPH1	01/23/91		01/29/91
1679.03	P15-S015C	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		02/06/91
1680.01	P15-S016A	SPNPRG1	01/23/91		01/29/91
1680.02	P15-S016A	SPNTPH1	01/23/91		01/29/91
1680.03	P15-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		02/06/91
1681.01	P15-S016B	SPNPRG1	01/23/91		01/29/91
1681.02	P15-S016B	SPNTPH1	01/23/91		01/30/91
1681.03	P15-S016B	SPNCRB1	01/23/91		02/16/91

1500647

JOB NUMBER : 9100.182

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1681.03	P15-S016B	SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNPCPl	01/23/91		01/30/91
		SPNPAHl	01/23/91		02/06/91
1682.01	P15-S016C	SPNPRGl	01/23/91		01/29/91
1682.02	P15-S016C	SPNTPH1	01/23/91		01/30/91
1682.03	P15-S016C	SPNCRBl	01/23/91		02/16/91
		SPNHETl	01/23/91		01/25/91
		SPNOPPl	01/23/91		01/30/91
		SPNPCPl	01/23/91		01/30/91
		SPNPAH1	01/23/91		02/06/91
1683.01	P15-S017A	SPNPRGl	01/23/91		01/29/91
1683.02	P15-S017A	SPNTPH1	01/23/91		01/30/91
1683.03	P15-S017A	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
		SPNPAHl	01/23/91		02/06/91
1684.01	P15-S017B	SPNPRGl	01/23/91		01/29/91
1684.02	P15-S017B	SPNTPH1	01/23/91		01/30/91
1684.03	P15-S017B	SPNCRBl	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
		SPNPAHl	01/23/91		02/06/91
1685.01	P15-S017C	SPNPRGl	01/23/91		01/29/91
1685.02	P15-S017C	SPNTPH1	01/23/91		01/30/91
1685.03	P15-S017C	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
		SPNPAHl	01/23/91		02/06/91

JOB NUMBER : 9100.193

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1772.01	P15-S002A	SPNPRG1	01/25/91		01/29/91
1772.02	P15-S002A	SPNTPH1	01/25/91		01/30/91
1772.03	P15-S002A	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1773.01	P15-S002B	SPNPRG1	01/25/91		01/29/91
1773.02	P15-S002B	SPNTPH1	01/25/91		01/30/91
1773.03	P15-S002B	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1774.01	P15-S002C	SPNPRG1	01/25/91		01/29/91
1774.02	P15-S002C	SPNTPH1	01/25/91		01/30/91
1774.03	P15-S002C	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1775.01	P15-S006A	SPNPRG1	01/25/91		01/29/91
1775.02	P15-S006A	SPNTPH1	01/25/91		01/30/91
1775.03	P15-S006A	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1776.01	P15-S006B	SPNPRG1	01/25/91		01/29/91
1776.02	P15-S006B	SPNTPH1	01/25/91		01/30/91
1776.03	P15-S006B	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1777.01	P15-S006C	SPNPRG1	01/25/91		01/29/91
1777.02	P15-S006C	SPNTPH1	01/25/91		01/30/91
1777.03	P15-S006C	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1778.01	P15-S010A	SPNPRG1	01/25/91		01/29/91
1778.02	P15-S010A	SPNTPH1	01/25/91		01/30/91
1778.03	P15-S010A	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1778.03	P15-S010A	SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1779.01	P15-S010B	SPNPRG1	01/25/91		01/29/91
1779.02	P15-S010B	SPNTPH1	01/25/91		01/30/91
1779.03	P15-S010B	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		01/31/91
		SPNPAH1	01/25/91		02/05/91
1780.01	P15-S010C	SPNPRG1	01/25/91		01/29/91
1780.02	P15-S010C	SPNTPH1	01/25/91		01/30/91
1780.03	P15-S010C	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1781.01	P15-S011A	SPNPRG1	01/25/91		01/29/91
1781.02	P15-S011A	SPNTPH1	01/25/91		01/30/91
1781.03	P15-S011A	SPNCRB1	01/25/91		02/18/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1782.01	P15-S011B	SPNPRG1	01/25/91		01/29/91
1782.02	P15-S011B	SPNTPH1	01/25/91		01/30/91
1782.03	P15-S011B	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1783.01	P15-S011C	SPNPRG1	01/25/91		01/29/91
1783.02	P15-S011C	SPNTPH1	01/25/91		01/31/91
1783.03	P15-S011C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1784.01	P15-S012A	SPNPRG1	01/25/91		01/29/91
1784.02	P15-S012A	SPNTPH1	01/25/91		01/31/91
1784.03	P15-S012A	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1785.01	P15-S012B	SPNPRG1	01/25/91		01/29/91
1785.02	P15-S012B	SPNTPH1	01/25/91		01/31/91
1785.03	P15-S012B	SPNCRB1	01/25/91		02/19/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1785.03	P15-S012B	SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNPLPl	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1786.01	P15-S012C	SPNPRG1	01/25/91		01/29/91
1786.02	P15-S012C	SPNTPH1	01/25/91		01/31/91
1786.03	P15-S012C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/05/91
1787.01	P15-S018A	SPNPRG1	01/25/91		01/29/91
1787.02	P15-S018A	SPNTPH1	01/25/91		01/31/91
1787.03	P15-S018A	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1788.01	P15-S018B	SPNPRG1	01/25/91		01/29/91
1788.02	P15-S018B	SPNTPH1	01/25/91		01/31/91
1788.03	P15-S018B	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1789.01	P15-S018C	SPNPRG1	01/25/91		01/29/91
1789.02	P15-S018C	SPNTPH1	01/25/91		01/31/91
1789.03	P15-S018C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1790.01	P15-S019A	SPNPRG1	01/25/91		01/29/91
1790.02	P15-S019A	SPNTPH1	01/25/91		01/31/91
1790.03	P15-S019A	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1791.01	P15-S019B	SPNPRG1	01/25/91		01/30/91
1791.02	P15-S019B	SPNTPH1	01/25/91		01/31/91
1791.03	P15-S019B	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1792.01	P15-S019C	SPNPRG1	01/25/91		01/30/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1792.02	P15-S019C	SPNTPHl	01/25/91		01/31/91
1792.03	P15-S019C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1793.01	P15-S020A	SPNPRG1	01/25/91		01/30/91
1793.02	P15-S020A	SPNTPHl	01/25/91		01/31/91
1793.03	P15-S020A	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1794.01	P15-S020B	SPNPRGl	01/25/91		01/30/91
1794.02	P15-S020B	SPNTPHl	01/25/91		01/31/91
1794.03	P15-S020B	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1795.01	P15-S020C	SPNPRGl	01/25/91		01/30/91
1795.02	P15-S020C	SPNTPHl	01/25/91		01/31/91
1795.03	P15-S020C	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1796.01	P15-S021A	SPNPRGl	01/25/91		01/30/91
1796.02	P15-S021A	SPNTPHl	01/25/91		01/31/91
1796.03	P15-S021A	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/30/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1797.01	P15-S021AD	SPNPRGl	01/25/91		01/30/91
1797.02	P15-S021AD	SPNTPH1	01/25/91		01/31/91
1797.03	P15-S021AD	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1798.01	P15-S021B	SPNPRGl	01/25/91		01/30/91
1798.02	P15-S021B	SPNTPHl	01/25/91		01/31/91
1798.03	P15-S021B	SPNCRBl	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNPCPl	01/25/91		02/01/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1798.03	P15-S021B	SPNPAH1	01/25/91		02/06/91
1799.01	P15-S021C	SPNPRG1	01/25/91		01/30/91
1799.02	P15-S021C	SPNTPH1	01/25/91		01/31/91
1799.03	P15-S021C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1800.01	P15-S022A	SPNPRG1	01/25/91		01/30/91
1800.02	P15-S022A	SPNTPH1	01/25/91		01/31/91
1800.03	P15-S022A	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1801.01	P15-S022AD	SPNPRG1	01/25/91		01/30/91
1801.02	P15-S022AD	SPNTPH1	01/25/91		01/31/91
1801.03	P15-S022AD	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1802.01	P15-S022B	SPNPRG1	01/25/91		01/30/91
1802.02	P15-S022B	SPNTPH1	01/25/91		01/31/91
1802.03	P15-S022B	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1803.01	P15-S022C	SPNPRG1	01/25/91		02/01/91
1803.02	P15-S022C	SPNTPH1	01/25/91		02/01/91
1803.03	P15-S022C	SPNCRB1	01/25/91		02/19/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1804.01	P15-S023A	SPNPRG1	01/25/91		01/30/91
1804.02	P15-S023A	SPNTPH1	01/25/91		02/01/91
1804.03	P15-S023A	SPNCRB1	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1805.01	P15-S023AD	SPNPRG1	01/25/91		01/30/91
1805.02	P15-S023AD	SPNTPH1	01/25/91		02/01/91
1805.03	P15-S023AD	SPNCRB1	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1805.03	P15-S023AD	SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1806.01	P15-S023B	SPNPRGl	01/25/91		01/30/91
1806.02	P15-S023B	SPNTPHl	01/25/91		02/01/91
1806.03	P15-S023B	SPNCRBl	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1807.01	P15-S023C	SPNPRGl	01/25/91		01/30/91
1807.02	P15-S023C	SPNTPH1	01/25/91		02/01/91
1807.03	P15-S023C	SPNCRBl	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1808.01	P15-S024A	SPNPRGl	01/25/91		01/30/91
1808.02	P15-S024A	SPNTPHl	01/25/91		02/01/91
1808.03	P15-S024A	SPNCRBl	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1809.01	P15-S024AD	SPNPRGl	01/25/91		01/30/91
1809.02	P15-S024AD	SPNTPH1	01/25/91		02/01/91
1809.03	P15-S024AD	SPNCRBl	01/25/91		02/20/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1810.01	P15-S024B	SPNPRGl	01/25/91		02/01/91
1810.02	P15-S024B	SPNTPHl	01/25/91		02/01/91
1810.03	P15-S024B	SPNCRBl	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1811.01	P15-S024C	SPNPRGl	01/25/91		02/01/91
1811.02	P15-S024C	SPNTPH1	01/25/91		02/01/91
1811.03	P15-S024C	SPNCRBl	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/06/91
1812.01	P15-S025A	SPNPRGl	01/25/91		01/31/91
1812.02	P15-S025A	SPNTPHl	01/25/91		02/01/91

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LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1812.03	P15-S025A	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1813.01	P15-S025B	SPNPRG1	01/25/91		01/31/91
1813.02	P15-S025B	SPNTPH1	01/29/91		02/01/91
1813.03	P15-S025B	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1814.01	P15-S025C	SPNPRG1	01/25/91		01/31/91
1814.02	P15-S025C	SPNTPH1	01/25/91		02/01/91
1814.03	P15-S025C	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1815.01	P15-S026A	SPNPRG1	01/25/91		01/31/91
1815.02	P15-S026A	SPNTPH1	01/25/91		02/01/91
1815.03	P15-S026A	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1816.01	P15-S026B	SPNPRG1	01/25/91		01/31/91
1816.02	P15-S026B	SPNTPH1	01/25/91		02/01/91
1816.03	P15-S026B	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1817.01	P15-S026C	SPNPRG1	01/25/91		01/31/91
1817.02	P15-S026C	SPNTPH1	01/25/91		02/01/91
1817.03	P15-S026C	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/06/91
1818.01	P15-S027A	SPNPRG1	01/25/91		01/31/91
1818.02	P15-S027A	SPNTPH1	01/25/91		02/01/91
1818.03	P15-S027A	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91

1500651

JOB NUMBER : 9100.193

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1819.01	P15-S027B	SPNPRGl	01/25/91		01/31/91
1819.02	P15-S027B	SPNTPHl	01/25/91		02/01/91
1819.03	P15-S027B	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/07/91
1820.01	P15-S027C	SPNPRGl	01/25/91		01/31/91
1820.02	P15-S027C	SPNTPHl	01/25/91		02/01/91
1820.03	P15-S027C	SPNCRBl	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1821.01	P15-S028A	SPNPRGl	01/25/91		01/31/91
1821.02	P15-S028A	SPNTPHl	01/25/91		02/01/91
1821.03	P15-S028A	SPNCRBl	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1822.01	P15-S028B	SPNPRGl	01/25/91		01/31/91
1822.02	P15-S028B	SPNTPHl	01/25/91		02/01/91
1822.03	P15-S028B	SPNCRBl	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/07/91
1823.01	P15-S028C	SPNPRGl	01/25/91		02/04/91..
1823.02	P15-S028C	SPNTPHl	01/25/91		02/01/91
1823.03	P15-S028C	SPNCRBl	01/25/91		02/21/91'.
		SPNMET1	01/25/91		01/29/91
		SPNOPPl	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAHl	01/25/91		02/07/91
1824.01	P15-GW019	WPNPRG1	01/25/91		01/29/91
1824.03	P15-GW019	WPNCRB1	01/25/91		02/21/91
		WPNOPPl	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/06/91
1824.04	P15-GW019	WPNTPH1	01/25/91		01/28/91
1824.05	P15-GW019	WPNMET1	01/25/91		01/29/91
1825.01	P15-GW020	WPNPRG1	01/25/91		01/29/91
1825.03	P15-GW020	WPNCRB1	01/25/91		02/21/91
		WPNOPPl	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/03/91

JOB NUMBER : 9100.193

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1825.04	P15-GW020	WPNTPH1.	01/25/91		01/28/91
1825.05	P15-GW020	WPNMET1.	01/25/91		01/29/91
1826.01	P15-GW020D	WPNPRG1	01/25/91		01/29/91
1826.03	P15-GW020D	WPNCRB1	01/25/91		02/21/91
		WPNOPP1.	01/25/91		02/01/91
		WPNP&P1.	01/25/91		02/01/91
		WPNPAH1.	01/25/91		02/03/91
1826.04	P15-GW020D	WPNTPH1.	01/25/91		01/28/91
1826.05	P15-GW020D	WPNMET1.	01/25/91		01/29/91
1827.01	P15-GW021	WPNPRG1.	01/25/91		01/29/91
1827.03	P15-GW021	WPNCRB1.	01/25/91		02/21/91
		WPNOPP1.	01/25/91		02/01/91
		WPNP&P1.	01/25/91		02/01/91
		WPNPAH1.	01/25/91		02/03/91
1827.04	P15-GW021	WPNTPH1.	01/25/91		01/28/91
1827.05	P15-GW021	WPNMET1.	01/25/91		01/29/91
1828.01	P15-GW022	WPNPRG1	01/25/91		01/29/91
1828.03	P15-GW022	WPNCRB1.	01/25/91		02/22/91
		WPNOPP1.	01/25/91		02/01/91
		WPNP&P1.	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/03/91
1828.04	P15-GW022	WPNTPH1.	01/25/91		01/28/91
1828.05	P15-GW022	WPNMET1.	01/25/91		01/29/91
1829.01	P15-GW023	WPNPRG1.	01/23/91		01/29/91
1829.03	P15-GW023	WPNCRB1.	01/25/91		02/22/91
		WPNOPP1.	01/25/91		02/01/91
		WPNP&P1.	01/25/91		02/01/91
		WPNPAH1.	01/25/91		02/03/91
1829.04	P15-GW023	WPNTPH1.	01/25/91		01/28/91
1829.05	P15-GW023	WPNMET1.	01/25/91		01/29/91

1500652

METALS SECTION JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01562 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S001A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	8.5		1.0	MG/KG
Zinc	7.2		2.0	MG/KG
Lead	6.2		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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01563 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S001B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	2.6		2.0	MG/KG
Lead	4.1		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

1500653

METALS SECTION JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01564 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S001C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	4.4		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 = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01772 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S002A

PARAMETER	RESULTS	Q	DBT. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.5		1.0	MG/KG
Zinc	2.8		2.0	MG/KG
had	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND.		25	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

150065A

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Snc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01773 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S002B

PARAMETER	RESULTS	a	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01774 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S002C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500655

METALS SECTION JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01565 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S003A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	5.9		1.0	MG/KG
Zinc	2.3		2.0	MG/KG
Lead	5.1		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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01566 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S003B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	2.8		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

1500656

METALS SECTION JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01567 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S003C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.3		1.0	MG/KG
Zinc	ND		2.0	MG/KG
Lead	12		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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGH"
SAMPLE ID LAB : EE-91-01568 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S004A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.1		1.0	MG/KG
Zinc	4.6		2.0	MG/KG
Lead	8.6		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 E = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

150065

METALS SECTION JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01569 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S004B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	ND		1.0	MG/KG
Zinc	2.3		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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAHPLE ID LAB : EE-91-01570 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S004C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	HG/KG
Zinc	2.7		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

1500658

METALS SECTION **JOB NUMBER** :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01858 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S005A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chrornium	1.8		1.0	MG/KG
Zinc	2.7		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.76		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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01859 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S005B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.4		1.0	MG/KG
Zinc	2.8		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		40	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

1500659

METALS SECTION JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01860 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S005C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	6.2		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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAHPLE ID LAB : EE-91-01775 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S006A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.8		1.0	MG/KG
Zinc	2.7		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

1500660

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01776 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S006B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01777 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S006C

PARAMETER	RESULTS	Q	DET. LIMIT	UNIT'S
Arsenic	ND		7.0	MG/KG
Chromium	1.3		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

150066I

METALS SECTION JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01861 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S007A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.1		1.0	MG/KG
Zinc	4.3		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.94		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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01862 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S007B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.6		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
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

1500662

METALS SECTION JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01863 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S007C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.3		1.0	MG/KG
Zinc	3.2		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.55		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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01864 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S008A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	3.1		1.0	MG/KG
Zinc	4.3		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

1500663

METALS SECTION JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01865 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S008B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	5.7		1.0	MG/KG
Zinc	5.3		2.0	MG/KG
Lead	ND		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

METALS SECTION JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAHPLE ID LAB : EE-91-01866 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S008C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.5		1.0	MG/KG
Zinc	14		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

1500664

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01668 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S009A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.7		1.0	MG/KG
Zinc	2.3		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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01669 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S009B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.3		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

1500665

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01670 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S009C

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.3		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Canter

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01778 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S010A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	2.3		1.0	MG/KG
Zinc	7.3		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

1500666

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01779 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S010B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.3		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	ND		2.5	MG/KG
Silver	ND		1.0	MG/KG

QUALIFIERS: C = COMMENT NO = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01780 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S010C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.2		1.0	MG/KG
Zinc	2.2		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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500667

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01781 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S011A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.9		1.0	MG/KG
Zinc	3.7		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : BE-91-01782 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S011B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.6		1.0	MG/KG
Zinc	4.7		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

150068

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01783 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S011C

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.8		1.0	MG/KG
Zinc	2.8		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01784 MTRIX: SOLID
SAMPLE ID CLIENT: P15-S012A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chrouium	2.7		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 = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500669

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01785 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S012B

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.3		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 LIHIT

METALS SECTION JOB NUMBER $9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01786 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S012C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	5.0		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

1500670

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01671 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S013A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.9		1.0	MG/KG
Zinc	5.6		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	0.54		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 t9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01672 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S013B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.2		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

1500671

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01673 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S013C

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

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01674 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S014A

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.9		1.0	MG/KG
Zinc	3.5		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

1500672

METALS SECTION JOB NUMBER :9100.182

Ecology and **Environment, Inc.**
Analytical Services **Center**

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01675 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S014B

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 = BSTIXATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER t9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : E-91-01676 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S014C

PARAMETER	RESULTS	Q	DET. WHIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.9		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
	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

1500673

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01677 MATRIX: SOLID
SAUPLE ID CLIENT: P15-S015A

PARAMETER	RESULTS	Q	DET. LIHIT	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 = ESTIUATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01678 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S015B

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

1500674

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01679 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S015C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	1.3		1.0	MG/KG
Zinc	2.4		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 = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01680 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S016A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	IUD		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	3.0		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

1500675

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01681 MATRIX: SOLID
SAMPLE ID CLIENT: **P15-S016B**

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	**ND**		*6.9*	**MG/KG**
Chromium	1.6		1.0	MG/KG
Zinc	**2.0**		**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 r9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01682 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S016C

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

150067G

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01683 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S017A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		6.9	MG/KG
Chromium	2.0		1.0	MG/KG
Zinc	2.5		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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01684 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S017B

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

1500677

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01685 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S017C

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

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01787 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S018A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.7		1.0	MG/KG
Zinc	2.3		2.0	MG/KG
Lead	5.2		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

1500678

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01788 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S018B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I *GROUPS* A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01789 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S018C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.4		1.0	MG/KG
Zinc	55		2.0	MG/KG
Lead	5.8		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

1500679

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01790 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S019A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	2.7		1.0	MG/KG
Zinc	3.7		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 r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01791 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S019B

PARAMETER	RESULTS	Q	DBT. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.7		1.0	MG/KG
Zinc	2.9		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.90	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

1500680

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01792 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S019C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	18		7.0	MG/KG
Chromium	1.3		1.0	MG/KG
Zinc	2.7		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01793 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S020A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	2.2		1.0	MG/KG
Zinc	2.7		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

150068!

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01794 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S020B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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	HGJKG
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 :9100.193

Ecology and Environment, Iac.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01795 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S020C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.1		1.0	MG/KG
Zinc	2.3		2.0	MG/KG
Lead	ND		4.0	MG/KG
Cadmium	ND		0.50	MG/KG
Nickel	ND		4.0	MG/KG
Copper	ND		25	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

1500682

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01796 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S021A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	4.2		1.0	MG/KG
Zinc	16		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 LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01797 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S021AD

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	20		1.0	MG/KG
Zinc	4.8		2.0	MG/KG
Lead	4.6		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

1500683

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01798 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S021B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.3		1.0	MG/KG
Zinc	2.2		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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01799 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S021C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500684

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01800 MATRIX: SOLID
SAMPLE ID CLIENT: P15-SO22A

PARAMETER	RESULTS	Q	DET. LIXIT	UNITS
Arsenic	570		7.0	MG/KG
Chromium	1.8		1.0	MG/KG
Zinc	2.7		2.0	MG/KG
Lead	5.3		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 = ESTIMTED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01801 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S022AD

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	430		7.0	MG/KG
Chromium	2.3		1.0	MG/KG
Zinc	2.8		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

1500685

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01802 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S022B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	65		7.0	MG/KG
Chromium	2.1		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		25	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01803 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S022C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	lo		7.0	MG/KG
Chromium	1.9		1.0	MG/KG
Zinc	3.2		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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500686

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01804 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S023A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	110		7.0	MG/KG
Chromium	1.7		1.0	MG/KG
Zinc	3.5		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01805 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S023AD

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	670		7.0	MG/KG
Chromium	4.3		1.0	MG/KG
Zinc	4.3		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

1500687

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PUASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01806 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S023B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01807 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S023C

PARAMETER	RBSULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	2.1		1.0	MG/KG
Zinc	2.4		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 = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500688

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : E€-91-01808 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S024A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	7.5		7.0	MG/KG
Chromium	4.3		1.0	MG/KG
Zinc	4.2		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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : BE-91-01809 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S024AD

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	IUD		7.0	MG/KG
Chromium	3.9		1.0	MG/KG
Zinc	4.8		2.0	MG/KG
Lead	6.7		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

1500689

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01810 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S024B

PARAMETER	RESULTS	Q	DET. LIWIT	UNITS
Arsenic	ND		7.0	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 LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01811 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S024C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500790

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01812 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S025A

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	44		7.0	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01813 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S025B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500791

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01814 HATRIX: SOLID
SAHPLE ID CLIENT: P15-S025C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	7.0		7.0	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
SAMPLE ID LAB : EE-91-01815 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S026A

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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.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 LIMIT

1500792

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01816 HATRIX: SOLID
SAMPLE ID CLIENT: P15-S026B

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.3		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 = ESTIUATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-B
RESULTS IN VET WEIGHT
SAMPLE ID LAB : BE-91-01817 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S026C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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		25	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

1500793

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAHPLE ID LAB : EE-91-01818 MATRIX: SOLID
SAHPLE ID CLIENT: P15-S027A

PARAMETER	RESULTS	Q	DET. LIMIT	WITS
Arsenic	ND		7.0	MG/KG
Chromium	2.1		1.0	MG/KG
Zinc	3.5		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01819 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S027B

PARAMETER	RESULTS	O	DET. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.9		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

1500734

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01820 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S027C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Canter

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01821 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S028A

PARAMETER	RBSULTS	Q	DBT. LIMIT	UNITS
Arsenic	ND		7.0	MG/KG
Chromium	1.6		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 = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500795

METALS SECTION JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01822 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S028B

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I CROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : EE-91-01823 MATRIX: SOLID
SAMPLE ID CLIENT: P15-S028C

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500796

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

9100.171

(mg/kg)

Parameter	E & E Laboratory No. 91-01570	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		2.0	1.6	22
Zinc		2.7	3.2	17
Lead		ND	ND	--
Cadmium		ND	ND	--
Nickel		ND	ND	--
Copper		ND	ND	--
Silver		ND	ND	--

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.171

(mg/kg)

Parameter	E & E Laboratory No. 91-01570	Original Value;	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	190	95
Chromium		2.0	20	22	100
Zinc		2.7	50	47	89
Lead		ND	50	50	100
Cadmium		ND	5.0	5.4	108
Nickel		ND	50	48	96
Copper		ND	25	22	88
Silver		ND	5.0	4.3	86

1500797

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

9100.198

(mg/kg)

Parameter	E & E Laboratory No. 91-01860	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		1.2	1.3	8.0
Zinc		6.2	6.2	0
Lead		ND	ND	--
Cadmium		ND	0.52	--
Nickel		ND	ND	--
Copper		ND	ND	--
Silver		ND	ND	--

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.198

(mg/kg)

Parameter	E & E Laboratory No. 91-01860	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	170	85
Chromium		1.2	20	19	89
Zinc		6.2	50	51	90
Lead		ND	50	46	92
Cadmium		ND	5.0	4.8	96
Nickel		ND	50	46	92
Copper		ND	25	23	92
Silver		ND	5.0	4.7	94

1500798

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

9100.182

(mg/kg)

Parameter	E & E Laboratory No. 91-01673	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Chromium		2.0	1.5	28
Zinc		ND	ND	NC
Lead		ND	ND	NC
Cadmium		ND	ND	NC
Nickel		ND	ND	NC
Copper		ND	ND	NC
Silver		ND	ND	NC

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.182

(mg/kg)

Parameter	E & E Laboratory No. 91-01673	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	170	85
Chromium		2.0	20	20	90
Zinc		ND	50	47	94
Lead		ND	50	40	80
Cadmium		ND	5.0	5.1	102
Nickel		ND	50	49	98
Copper		ND	25	25	100
Silver		ND	5.0	4.5	90

1500799

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

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-01781	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Chromium		1.9	1.7	11
Zinc		3.7	3.2	14
Lead		ND	ND	NC
Cadmium		ND	ND	NC
Nickel		ND	ND	NC
Copper		ND	ND	NC
Silver		ND	ND	NC

NC = Not Calculable

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.193

(mg/kg)

Parametcr	E & E Laboratory No. 91-01781	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	180	90
Chromium		1.9	20	22	100
Zinc		3.7	50	51	95
Lead		ND	50	48	96
Cadmium		ND	5.0	4.4	a0
Nickel		ND	50	48	96
Copper		ND	25	25	100
Silver		ND	5.0	4.5	90

1500800

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

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-01791	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Chromium		1.7	1.7	0.0
Zinc		2.9	1.8	47
Lead		ND	ND	NC
Cadmium		ND	ND	NC
Nickel		ND	ND	NC
Copper		ND	ND	NC
Silver		ND	ND	NC

NC = Not Calculable

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-01791	Original Value	Amount Mded	Amount Determined	Percent Recovery
Arsenic		ND	200	180	90
Chromium		1.7	20	21	96
Zinc		2.9	50	48	90
Lead		ND	50	46	92
Cadmium		ND	5.0	4.3	86
Nickel		ND	50	49	90
Copper		ND	25	25	100
Silver		ND	5.0	4.6	92

1500801

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

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-01811	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Chromium		ND	1.0	0.0
Zinc		ND	ND	NC
Lead		ND	ND	NC
Cadmium		ND	ND	NC
Nickel		ND	ND	NC
Copper		ND	ND	NC
Silver		ND	ND	NC

NC = Not Calculable

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-01811	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	200	180	90
Chromium		ND	20	18	90
Zinc		ND	SO	45	90
Lead		ND	SO	42	84
Cadmium		ND	5.0	4.1	82
Nickel		ND	50	44	88
Copper		ND	2s	23	92
Silver		ND	5.0	4.2	84

1500802

METALS SECTION JOB NUMBER :9100.171

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 :9100.198

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

1500803

METALS SECTION JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
SAMPLE ID LAB : HETEOD 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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		7.0	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

1500804

TEST CODE :SPNTPH1 JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01562			
P15-S001A	40		5.0
EE-91-01563			
P15-S001B	ND		5.0
EE-91-01564			
P15-S001C	69		5.0
EE-91-01565			
P15-S003A	ND		5.0
EE-91-01566			
P15-S003B	ND		5.0
EE-91-01567			
P15-S003C	6.2		5.0
EE-91-01568			
P15-S004A	ND		5.0
EE-91-01569			
P15-S004B	ND		5.0
EE-91-01570			
P15-S004C	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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01858 P15-S005A	19		5.0
EE-91-01859 P15-S005B	19		5.0
EE-91-01860 P15-S005C	21		5.0
EE-91-01861 P15-S007A	32		5.0
EE-91-01862 P15-S007B	44		5.0
EE-91-01863 P15-S007C	39		5.0
EE-91-01864 P15-S008A	22		5.0
EE-91-01865 P15-S008B	9.6		5.0
EE-91-01866 P15-S008C	18		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

1500805

TEST CODE :SPNTPH1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01668 P15-S009A	ND		5.0
EE-91-01669 P15-S009B	6.0		5.0
EE-91-01670 P15-S009C	ND		5.0
EE-91-01671 P15-S013A	ND		5.0
EE-91-01672 P15-S013B	ND		5.0
EE-91-01673 P15-S013C	ND		5.0
EE-91-01674 P15-S014A	36		5.0
EE-91-01675 P15-S014B	ND		5.0
EE-91-01676 P15-S014C	ND		5.0
EE-91-01677 P15-S015A	ND		5.0
EE-91-01678 P15-S015B	ND		5.0
EE-91-01679 P15-S015C	ND		5.0
EE-91-01680 P15-S016A	180		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 : 9100.182

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01681 P15-S016B	ND		5.0
EE-91-01682 P15-S016C	ND		5.0
EE-91-01683 P15-S017A	12		5.0
EE-91-01684 P15-S017B	ND		5.0
EE-91-01685 P15-S017C	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

1500806

TEST CODE :SPNTPH1 JOB NUMBER 9100.193

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-91-01772 P15-S002A	ND		5.0
EE-91-01773 P15-S002B	10		5.0
EE-91-01774 P15-S002C	9.8		5.0
EE-91-01775 P15-S006A	14		5.0
EE-91-01776 P15-S006B	48		5.0
EE-91-01777 P15-S006C	13		5.0
€E-91-01778 P15-S010A	11		5.0
EE-91-01779 P15-S010B	13		5.0
EE-91-01780 P15-S010C	9.2		5.0
EE-91-01781 P15-S011A	16		5.0
EE-91-01782 P15-S011B	17		5.0
E€-91-01783 P15-S011C	46		5.0
EE-91-01784 P15-S012A	53		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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01785 P15-S012B	29		5.0
EE-91-01786 P15-S012C	110		5.0
EE-91-01787 P15-S018A	36		5.0
EE-91-01788 P15-S018B	25		5.0
EE-91-01789 P15-S018C	95		5.0
EE-91-01790 P15-S019A	ND		5.0
EE-91-01791 P15-S019B	5.6		5.0
EE-91-01792 P15-S019C	ND		5.0
EE-91-01793 P15-S020A	ND		5.0
EE-91-01794 P15-S020B	27		5.0
EE-91-01795 P15-S020C	ND		5.0
EE-91-01796 P15-S021A	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

1500807

TEST CODE :SPNTPH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01797 P15-S021AD	ND		5.0
EE-91-01798 P15-S021B	16		5.0
EE-91-01799 P15-S021C	ND		5.0
EE-91-01800 P15-S022A	ND		5.0
EE-91-01801 P15-S022AD	ND		5.0
EE-91-01802 P15-S022B	ND		5.0
EE-91-01803 P15-S022C	23		5.0
EE-91-01804 P15-S023A	ND		5.0
EE-91-01805 P15-S023AD	ND		5.0
EE-91-01806 P15-S023B	120		5.0
EE-91-01807 P15-S023C	20		5.0
EE-91-01808 P15-S024A	16		5.0
EE-91-01809 P15-S024AD	13		5.0

QUALIFIERS: C = CO—— 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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01810 P15-S024B	22		5.0
EE-91-01811 P15-S024C	ND		5.0
EE-91-01812 P15-S025A	ND		5.0
EE-91-01813 P15-S025B	14		5.0
EE-91-01814 P15-S025C	12		5.0
EE-91-01815 P15-S026A	33		5.0
BE-91-01816 P15-S026B	19		5.0
EE-91-01817 P15-S026C	36		5.0
HE-91-01818 P15-S027A	23		5.0
HE-9141819 P15-S027B	27		5.0
EE-91-01820 P15-S027C	13		5.0
EE-91-01821 P15-S028A	25		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

1500808

TEST CODE : SPNTPH1 JOB NUMBER : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01822 P15-S028B	19		5.0
EE-91-01823 P15-S028C	23		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

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

9100.171

(mg/kg)

Parameter	E C E Laboratory No. 91-01566	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
T. Petroleum Hydrocarbons		ND	6.2	--

1500809

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOIL SAMPLES

9100.198

(mg/kg)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
T.Petroleum Hydrocarbons	1864	22	*240*	220	82

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.182

(mg/kg)

Parameter	E & E Laboratory No. 91-01673	Original Value	Amount Added	Amount Determined	Percent Recovery
T.Petroleum Hydrocarbons		ND	240	180	75

1500810

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.193

(mg/L)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
T. Recoverable Petroleum Rydrocarbons					
	Batch QC	ND	8.6	7.6	88

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

9100.193

(mg/kg)

Parametcr	E & E Laboratory No. 91-	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
T. Recoverable Pctroleum Hydrocarbons				
	Batch QC	ND	ND	NC
	01792	ND	ND	NC
	01812	ND	5.5	NC
	01817	36	17	72

1500811

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.193

(mg/kg)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
T. Recoverable Petroleum Hydrocarbons					
	Batch QC	ND	230	200	87
	01782	17	230	180	70
	01802	ND	230	180	78
	01864	22	240	190	70

TEST CODE :VPNTPH1 JOB NUMBER :9100.198

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. LIHIT
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

1500812

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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 : EE-91-01562 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001A

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	2300	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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-91-01563 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001B

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 - dichloroethene	ND		1000
Hethylene Chloride	3000	B	1000
Trans-1,2, - Dichloroetheme	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 = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

1500813

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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-91-01564 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001C

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	3300	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01772 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002A

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	6800		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	1300		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500814

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01773 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002B

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	9000		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	2000		1000
1,2 - Dichloroethane	ND		1000
Trichloroethenc	ND		1000
Tctrachloroethene	ND		1000
chlorobenzene	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01774 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002C

PARAMETER	RESULTS	Q	DBT. 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	1500		1000
Trans-1,2, - Dichloroethene	3800		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	1700		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500815

TEST CODE : SPNPRG1 JOB NUMBER : 9100.171

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-91-01565 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003A

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	3900	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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-91-01566 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003B

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	5000	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

1500816

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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-91-01567 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003C

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	3100	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

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-91-01568 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004A

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	3300	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

1500817

TEST CODE : SPNPRG1 JOB NUMBER : 9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PMC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01569 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1200		1000
.Ethylbenzene	ND		1000
Total Xylene?	ND		1000
1,2 - Dichlorobenzene	ND		1000
1,3 - Dichlorobenzene	ND		1000
1,4 - Dichlorobenzene	ND		1000
1,1 - dichloroethene	ND		1000
Methylene Chloride	3000	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

TEST CODE : SPNPRG1 JOB NUMBER : 9100.171

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-91-01570 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004C

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	2700	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

1500818

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

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-91-01858 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S005A

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
chlorobenzene	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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01859 MATRIX : SOLID
SMPLE ID CLIENT: P15-S005B

PARAMETER	RESULTS	Q	DET. WHIT
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	2500	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500819

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

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-91-01860 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	IUD		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	2400	B	1000
Trans-1,2, - Dichlotoethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	IUD		1000
chlorobenzene	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 :9100.193

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-91-01775 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006A

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	1400		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500820

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01776 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006B

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 - dichlorocthene	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethenc	5600		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	1400		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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 : BE-9141777 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006C

P	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	1300		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500821

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

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-91-01661 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S007A

PARAHETER	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	4300	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
chlorobenzene	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 :9100.198

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-91-01862 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 - dichlorocthenc	ND		1000
Methylene Chloride	1800	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500822

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01863 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S007C

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 - dichloroethene	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
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.198

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 : BE-91-01864 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008A

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 - dichloroethcne	ND		1000
Methylene Chloride	1900	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
chlorobenzene	ND		1000

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

1500823

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

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-91-01865 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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	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
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.198

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-91-01866 MTRIX : SOLID
SAMPLE ID CLIENT: P15-S008C

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	5400	B	1000
Trans-1.2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichlorocthanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500824

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01668 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009A

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	2900	B	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
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 :9100.182

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-91-01669 MATRIX : SOLID
SMPLE ID CLIENT: P15-S009B

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	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

1500825

TEST CODE :SPNPRG1 JOB NUHBER :9100.182

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-91-01670 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S009C

PARAMETER	RESULTS	0	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	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
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 :9100.193

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-91-01778 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010A

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	3800		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500826

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01779 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010B

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 - Trichlorocthane	1100		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 : 9100.193

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 LA8 : EE-91-01780 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010C

PARAMETER	RBSULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethy1benzene	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
chlorobenzene	ND		1000

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

1500827

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01781 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011A

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1500		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	3600		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01782 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1500		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
chlorobenzene	ND		1000

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

1500828

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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 : EE-91-01783 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	1500		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	2600		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethcne	ND		1000
chlorobenzene	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 :9100.193

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 : BB-91-01784 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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		lo00
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
chlorobenzene	ND		lo00

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

1500829

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01785 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbcnzene	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
Hethylenc Chloride	ND		1000
Trans-1,2, - Dichlorocthenc	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01786 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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
chlorobenzene	ND		1000

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

1500830

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAHE : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01671 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S013A

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	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
Tctrachloroethene	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 :9100.182

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-91-01672 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S013B

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	1800	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

1500831

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01673 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013C

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	1300	B	1000
Trans-1,2, - Dichloroathcne	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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 : BE-91-01674 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014A

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	1500	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

1500832

TEST CODE : SPNPRG1 JOB NUMBER : 9100.182

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-91-01675 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 - dichloroathane	ND		1000
Methylene Chloride	1600	B	1000
Trans-1,2, - Dichloroathenc	ND		1000
1,1 - dichlorocthana	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthcnc	ND		1000
Tetrachloroethcna	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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01676 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014C

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	1700	B	1000
Trams-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

1500833

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01677 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015A

PARAMETER	RESULTS	Q	DET. LIHIT
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 - dichlorocthene	ND		1000
Hcthylcnc Chloride	1600	B	1000
Trans-1,2, - Dichlorocthcne	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthanc	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

TEST CODE : SPNPRG1 JOB NUMBER t9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01678 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015B

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	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

1500834

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01679 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S015C

PARAMETER	RESULTS	Q	DET. LINIT
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	1900	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethans	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 t9100.182

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-91-01680 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016A

PARAMETER	RBSULTS	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	2200	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

1500835

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01681 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016B

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	2300	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01682 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016C

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 - 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

1500836

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01683 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S017A

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 - dichloroethcne	ND		1000
Methylene Chloride	2500	B	1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	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

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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-91-01684 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017B

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	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
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

1500837

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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 : E€-91-01685 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017C

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	3100	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

TEST CODE : SPNPRG1 JOB NUMBER : 9100.193

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-91-01787 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 - 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
chlorobenzene	ND		1000

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

1500838

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01788 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 - dichloroethcnc	ND		1000
Methylene Chloride	ND		1000
Trans-1,2, - Dichloroethane	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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-91-01789 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S018C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Bthylbenzene	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
chlorobenzene	ND		1000

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

1500839

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01790 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019A

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	ND		1000
Trans-1,2, - Dichloroethcne	1200		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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-91-01791 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019B

PARAMETER	RESULTS	Q	DBT. 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	3500		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
chlorobenzene	ND		1000

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

1500840

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01792 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S019C

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	3700		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroathanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethane	ND		1000
chlorobenzene	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 : 9100.193

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 : BE-91-01793 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020A

PARAMETER	RESULTS	Q	DBT. 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	4100		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
chlorobenzene	ND		1000

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

1500841

TEST CODE :SPNPRG1 JOB NUHBER :9100.193

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-91-01794 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020B

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	8200		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichlorocthanc	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethenc	ND		1000
Tetrachloroethcne	ND		1000
chlorobenzene	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT . · : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01795 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020C

PARAMETER	RBSULTS	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	7500		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
chlorobenzene	ND		1000

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

1500842

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01796 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021A

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 - dichloroethcne	ND		1000
Methylene Chloride	8900		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthane	ND		1000
Ttichloroethene	ND		1000
Tctrachloroethcne	ND		1000
chlorobenzene	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 :9100.193

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-91-01797 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021AD

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	8500		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
chlorobenzene	ND		1000

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

1500843

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01798 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021B

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 - dichloroethcne	ND		1000
Hethylene Chloride	17000		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroathana	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichlorocthene	ND		1000
Tetrachlorocthena	ND		1000
chlorobenzene	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 :9100.193

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 : BE-91-01799 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021C

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 - dichloroethene	ND		1000
Methylene Chloride	16000		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
chlorobenzene	ND		1000

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

1500844

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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 : UGIKG
SAMPLE ID LAB : EE-91-01800 MATRIX : SOLID
SAMPLE ID CLIENT: P15-SO22A

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 - dichloroethcne	ND		1000
Methylene Chloride	12000		1000
Trans-1,2, - Dichloroethcne	ND		1000
1,1 - dichloroethana	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthcnc	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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-91-01801 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022AD

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	5200		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
chlorobenzene	ND		1000

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

1500845

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01802 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022B

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
Hathylene Chloride	5100		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachlorocthcne	ND		1000
chlorobenzene	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 :9100.193

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 : BE-91-01803 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022C

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	1200		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
chlorobenzene	ND		1000

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

1500846

TEST CODE :SPNPRG1 JOB NUHBER :9100.193

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-91-01804 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023A

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 - dichloroethene	ND		1000
Hethylcne Chloride	6100		1000
Trans-1,2, - Dichloroethenc	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichlorocthenc	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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-91-01805 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S023AD

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 - dichloroethene	ND		1000
Methylene Chloride	3200		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
chlorobenzene	ND		1000

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

1500847

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01806 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S023B

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	3000		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
chlorobenzene	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 t9100.193

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 : BE-91-01807 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023C

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	3200		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	2200		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500848

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01808 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024A

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	3800		1000
Trans-1,2, - Dichloroethcnc	ND		1000
1,1 - dichlorocthane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachlorocthenc	ND		1000
chlorobenzene	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 :9100.193

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-91-01809 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024AD

PARAMETER	RBSULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzenc	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		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
chlorobenzene	ND		1000

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

1500849

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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
SANPLE ID LAB : EE-91-01810 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024B

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 - dichloroethcne	ND		1000
Methylene Chloride	2500		1000
Trans-1,2, - Dichlorocthcnc	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichloroethcne	ND		1000
Tetrachloroethenc	ND		1000
chlorobenzene	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 :9100.193

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-91-01811 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024C

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	1600		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
chlorobenzene	ND		1000

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

1500850

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01812 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025A

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 - dichlorocthcne	ND		1000
Methylene Chloride	2500		1000
Trans-1,2, - Dichloroethcnc	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichlorocthcne	ND		1000
Tetrachloroethcne	ND		1000
chlorobenzene	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 :9100.193

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 : BE-91-01813 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025B

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	2300		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
chlorobenzene	ND		1000

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

1500851

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01814 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025C

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 - dichlorocthene	ND		1000
Methylene Chloride	2000		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
Tetrachlorocthene	ND		1000
chlorobenzene	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01815 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026A

PARAMETER	RESULTS	Q	DBT. 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	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
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500852

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01816 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026B

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 - dichloroethene	ND		1000
Hethylene Chloride	2500		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 :9100.193

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-91-01817 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026C

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 - dichloroethene	ND		1000
Methylene Chloride	2400		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
chlorobenzene	ND		1000

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

1500853

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01818 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S027A

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
Methylene Chloride	2700		1000
Trans-1,2, - Dichlorocthene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachlorocthene	ND		1000
chlorobenzene	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 : 9100.193

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 : BE-91-01819 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027B

PARAMETER	RBSULTS	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	3100		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
chlorobenzene	ND		1000

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

1500854

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01820 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027C

PARAHETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenzcnc	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	2700		1000
Trans-1,2, - Dichloroethcnc	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichlorocthane	ND		1000
1,2 - Dichlorocthanc	ND		1000
Trichloroethcne	ND		1000
Tetrachlorocthene	ND		1000
chlorobenzene	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01821 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028A

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	3800		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
Tetrachlorwthme	ND		1000
chlorobenzene	ND		1000

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

1500855

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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-91-01822 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028B

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 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	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 : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PURGABLES- GC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01823 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028C

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		1000
Toluene	ND		1000
Ethylbenoena	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	2200		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
chlorobenzene	ND		1000

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

150085C

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY *AND* RELATIVE PERCENT DIFFERENCE (RPD)
OF SOIL MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLJCATE (MSD)
(Sample # 1803)

9100.193

(ug/kg)

Compound	Original Result	Amount Added	Amount Determined MS	Amount Determined HSD	Percent Recovery HS	Percent Recovery MSD	RPD
Benzene	ND	25000	19000		76		
Toluene	ND	25000	19000		76		
Ethyl Benzene	ND	25000	21000		84		
1,2-Dichlorobenzene	ND	25000	22000		88		
1,3-Dichlorobenzene	ND	25000	22000		88		
1,4-Dichlorobenzene	ND	25000	22000		88		
1,1-Dichloroethene	ND	25000	26000		104		
Methylene Chloride	3200	25000	26000		104		
Trans-1,2-Dichloroethene	ND	25000	23000		92		
1,1-Dichloroethane	ND	25000	20000		80		
1,1,1-Trichloroethane	2300	25000	24000		96		
1,2-Dichloroethane	ND	25000	19000		76		
Trichloroethene	ND	25000	17000		68		
Tetrachloroethene	ND	25000	20000		80		

These recoveries and RPDs are within E 6 E, Inc. limits.

TEST CODE :SPNPRG1 JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC PURGABLES- GC UNITS : UG/KG
SAHPLE 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	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

150085?

TEST CODE :SPNPRG1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-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	4000		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
chlorobenzene	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 :9100.198

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 : 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	2400		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
Tetrachlorocthene	ND		1000
chlorobenzene	ND		1000

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

1500858

TEST CODE :SPNPRG1 JOB NUMBER :9100.182

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 : 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	ND		1000
Methylene Chloride	1500		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichlorocthanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethane	ND		1000
Tetrachloroathena	ND		1000

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

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET 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	1700		1000
Trans-1,2, - Dichloroethene	6200		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethene	ND		1000
chlorobenzene	ND		1000

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

1500859

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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
Ethylbcnzenc	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	3200		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethane	ND		1000
1,1,1 - Trichloroethanc	ND		1000
1,2 - Dichloroethane	ND		1000
Trichloroethene	ND		1000
Tetrachloroethane	ND		1000
chlorobenzene	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 :9100.193

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 : METHOD BLANK 3 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	4000		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
chlorobenzene	ND		1000

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

1500860

TEST CODE :SPNPRG1 JOB NUMBER :9100.193

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 4 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 - dichloroethenc	ND		1000
Methylene Chloride	2400		1000
Trans-1,2, - Dichloroethene	ND		1000
1,1 - dichloroethanc	ND		1000
1,1,1 - Trichloroethane	ND		1000
1,2 - Dichloroethanc	ND		1000
Trichloroethene	ND		1000
Tetrachloroethane	ND		1000
chlorobenzene	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 :9100.193

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 5 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
chlorobenzene	ND		1000

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

150DE61

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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 91-01562 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.171

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-91-01563 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 LIHIT

1500862

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01564 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SMPLE ID LAB : BE-91-01772 MATRIX : SOLID
SMPLE ID CLIENT: P15-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

1500863

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01773 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002B

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 :9100.193

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-91-01774 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002C

PARAMETER	RESULTS	Q	DBT. LIHIT
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

1500864

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01565 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003A

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 JOE NUMBER :9100.171

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-91-01566 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500865

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01567 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 = PKESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01568 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 BELOW STATED DETECTION LIMIT

1500866

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01569 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 LIMIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.171

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-91-01570 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S004C

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

1500867

TEST CODE :SPNPAH1 JOB NUMBER :9100.198

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-91-01858 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01859 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500868

TEST CODE :SPNPAH1 JOB NUMBER :9100.198

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-91-01860 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005C

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		1000

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

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01775 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006A

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 STATBD DETECTION LIMIT

1500869

TEST CODE : SPNPAH1 JOB NUMBER : 9100.193

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-91-01776 MATRIX : SOLID
SAMPLE ID CLIENT: **P15-S006B**

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 :9100.193

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-91-01777 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500870

TEST CODE :SPNPAH1 JOB NUMBER :9100.198

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-91-01861 MATRIX : SOLID
SAMPLE ID CLIENT: **P15-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 NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01862 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007B

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

1500871

TEST CODE :SPNPAH1 JOB NUMBER :9100.198

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-91-01863 MATRIX : SOLID
SAMPLE ID CLIENT: **P15-S007C**

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 :9100.198

Ecology and Environnent, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAHE : PNC PAH - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01864 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008A

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

1500872

TEST CODE :SPNPAH1 **JOB** NUMBER :9100.198

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-91-01865 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008B

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 :9100.198

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 : BE-91-01866 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500873

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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-91-01668 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009A

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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01669 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009B

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

1500874

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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
SAMPLE ID LAB : EE-91-01670 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.193

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 : BE-91-01778 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500875

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01779 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01780 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

150675

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01781 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S011A

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 :9100.193

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-91-01782 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

1500877

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01783 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I CROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01784 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012A

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

1500878

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01785 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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 : BE-91-01786 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012C

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

1500870

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET VEIGHT
TEST NAME : PNC PAA - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01671 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01672 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013B

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

1500880

TEST CODE : SPNPAH1 JOB NUMBER : 9100.182

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-91-01673 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013C

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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT

TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01674 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014A

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

1500881

TEST CODE :SPNPAH1 **JOB NUMBER** :9100.182

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
SAMPLE ID LAB : EE-91-01675 MATRIX : SOLID
SAMPLE ID CLIENT: **P15-S014B**

PARAMETER	**RESULTS**	**Q**	**DET. LIMIT**
Total as Benzo-a-pyrene	**ND**		**1000**

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

TEST CODE :SPNPAH1 JOB NUMBER r9100.182

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 : BE-91-01676 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500852

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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
SAMPLE ID LAB : EE-91-01677 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S015A

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 LIHIT

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : E-91-01678 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015B

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

1500883

TEST CODE : SPNPAH1 JOB NUMBER : 9100.182

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-91-01679 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015C

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 t9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01680 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

150088A

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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-91-01681 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 r9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SMPLE ID LAB : EE-91-01682 MATRIX : SOLID
SMPLE ID CLIENT: P15-S016C

PARAMETER	RESULTS	Q	DBT. 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

1500885

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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-91-01683 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017A

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 :9100.182

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-91-01684 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017B

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

1500866

TEST CODE :SPNPAH1 JOB NUMBER :9100.182

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-91-01685 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01787 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S018A

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

1500857

TEST CODE : SPNPAH1 JOB NUHBER : 9100.193

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-91-01788 MATRIX : SOLID
SAMPLE ID CLIENT: **P15-S018B**

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01789 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500888

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01790 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019A

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 r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01791 MATRIX :SOLID
SAMPLE ID CLIENT: P15-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

1500869

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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
SAMPLE ID LAB : EE-91-01792 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAR - LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01793 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S020A

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

1500890

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01794 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020B

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 :9100.193

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-91-01795 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020C

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

1500891

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01796 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021A

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 :9100.193

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 : BE-91-01797 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021AD

PARAMETER	RESULTS	a	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

1500892

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01798 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021B

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 :9100.193

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-91-01799 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021C

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

1500853

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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 : E€-91-01800 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022A

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 BLAIN
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNPAH1 JOB NUMBER :9100.193

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 LA8 : BE-91-01801 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022AD

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

1500894

TEST CODE :SPNPAH1 JOB NUHBER :9100.193

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 : BE-91-01802 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022B

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01803 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022C

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

1500895

TEST CODE : SPNPAH1 JOB NUMBER : 9100.193

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-91-01804 MTRIX : SOLID
SAMPLE ID CLIENT: **P15-S023A**

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASB I CROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01805 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023AD

PARAMETER	RESULTS	Q	DET. LIHIT
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

1500896

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01806 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023B

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01807 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023C

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

1500897

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01808 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024A

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	1200		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 :9100.193

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-91-01809 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024AD

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	1500		1000

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

1500838

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01810 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024B

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01811 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024C

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

150089

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01812 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : BE-9141813 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025B

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

150090

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01814 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : E-91-01815 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026A

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

1500901

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01816 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026B

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 :9100.193

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
SAMPLE ID LAB : EE-91-01817 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026C

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

1500902

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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
SAMPLE ID LAB : EE-91-01818 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027A

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 r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01819 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S027B

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

1500903

TEST CODE :SPNPAH1 JOB NUHBER :9100.193

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-91-01820 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027C

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 :9100.193

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 : BE-91-01821 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028A

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

1500904

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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-91-01822 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028B

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 :9100.193

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-91-01823 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028C

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

1500905

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED SOIL SAMPLES

9100.171

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1562.03	ND	50	31	62

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.193

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1811.03	ND	50	37	74
	1781.03	ND	50	38	76
	1821.03	ND	50	36	72
	1791.03	ND	50	36	72
	1801.03	ND	50	37	74

1500906

TEST CODE : SPNPAH1 JOB NUMBER : 9100.171

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-pytene	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 :9100.193

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 : METHOD BLANK 1 598-54 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

1500907

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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 : METHOD BLANK 2 598-54 MATRIX: SOLID

PARAMETER	RESULTS	Q	DET. LIHIT
Total as Bcnzo-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 : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 3 598-54 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

1500908

TEST CODE :SPNPAH1 JOB NUMBER :9100.193

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 4 598-54 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 LIHIT

TEST CODE : SPNPAH1 JOB NUMBER : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PBASB I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PAH - LC UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 5 598-54 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

1500909

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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-91-01562 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001A

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 :9100.171

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-91-01563 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001B

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

1500910

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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-91-01564 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01772 MATRIX :SOLID
SAMPLE ID CLIENT: P15-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

1500911

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01773 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : 83-91-01774 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002C

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

1500912

TEST CODE : SPNP&P1 JOB NUMBER : 9100.171

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-91-01565 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003A

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 :9100.171

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-91-01566 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003B

PARAHETER	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

1500913

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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-91-01567 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003C

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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE T GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01568 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500914

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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-91-01569 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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-91-01570 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 = COHHENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIHIT

1500915

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY AND RELATIVE PERCENT DIFFERENCE (RPD)
OF SOIL MATRIX SPIKE (HS) FOR PENSACOLA SCREENING
(Sample # 1570)

9100.171

(ug/kg)

Compound	Original Result	Amount Added HS	Amount Determined MS	Percent Recovery MS
Lindane	ND	400	496	124
Heptachlor	ND	400	420	105
Aldrin	ND	400	580	145
Dieldrin	ND	1000	1850	185
Endrin	ND	1000	1535	140
4,4'-DDT	ND	1000	475	48
AR1254	ND	5000	5750	115

ND=None detected.

TEST CODE :SPNP&P1 JOB NUMBER :9100.171

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
Heptachlor	NO		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 LIMIT

1500916

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

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-91-01858 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005A

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

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01859 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005B

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

1500917

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01860 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : BE-91-01775 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	PRESENT	L	2000
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

1500918

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01776 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : BE-91-01777 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006C

PARAMETER	RBSULTS	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

150091?

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UB-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01861 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007A

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 :9100.198

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-91-01862 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500920

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01863 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007C

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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01864 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008A

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
494 - DDT	ND		1000
Dieldrin / 4,4 - DDB	PRESENT	L	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

1500921

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

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-91-01865 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	PRESENT	L	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 :9100.198

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-91-01866 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008C

PARAMETER	RESULTS	Q	DET. LIMIT
Reptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDE	PRESENT	L	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

1500922

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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 : E€-91-01668 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	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

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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 : BE-91-01669 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

1500023

TEST CODE : SPNP&P1 JOB NUHBER : 9100.182

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-91-01670 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01778 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500924

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01779 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01780 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010C

PARAMETER	RBSULTS	Q	DET. LIMIT
Hcptachlor	IUD		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500925

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01781 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./ — UNITS : UG/KG
SAMPLE ID LAB : EE-91-01782 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500926

TEST CODE : SPNP&P1 JOB NUMBER : 9100.193

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-91-01783 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011C

PARAMETER	RESULTS	Q	DET. LIMIT
Bcptachlor	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 :9100.193

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 : EE-91-01784 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	PRESENT	L	1000
Dieldrin / 4,4 - DDE	PRESENT	L	2000
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

1500927

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01785 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : BE-91-01786 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S012C

PARAMETER	RBSULTS	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

1500928

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01671 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01672 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013B

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4.4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500923

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01673 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013C

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

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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 : EE-91-01674 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

1500930

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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€-91-01675 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014B

PARAMETER	RESULTS	Q	DET. LIHIT
Ecptachlor	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 :9100.182

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 : E-91-01676 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S014C

PARAMETER	RESULTS	Q	DET. LIMIT
icptachlor	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

150093I

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01677 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 r9100.182

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-91-01678 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015B

PARAMETER	RESULTS	Q	DET. LIMIT
Ecptachlor	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

1500932

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01679 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015C

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 r9100.182

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 : EE-91-01680 MATRIX :SOLID
SAHPLE ID CLIENT: P15-S016A

PARAMETER	RESULTS	Q	DET. LIHIT
Haptachlor	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

1500933

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01681 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016B

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 r9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01682 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500934

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01683 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S017A

PARAMETER	RESULTS	Q	DET. LIHIT
Heptachlor	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

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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
SAHPLE ID LAB : EE-91-01684 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S017B

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

1500935

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

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-91-01685 MTRIX : SOLID
SAMPLE ID CLIENT: P15-S017C

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 :9100.193

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-91-01787 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S018A

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

1500936

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01788 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S018B

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 :9100.193

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-91-01789 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S018C

PARAMETER	RESULTS	Q	DET. LIHIT
Ecptachlor	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

1500937

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01790 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019A

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 :9100.193

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-91-01791 MATRIX : SOLID
SAMPLE ID CLIENT? P15-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

1500938

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01792 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01793 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020A

PARAMETER	RESULTS	Q	DBT. LIMIT
Haptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500939

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01794 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020B

PARAMETER	RESULTS	Q	DET. LIMIT
Eeptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - 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 LIWIT

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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 : EE-91-01795 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020C

PARAMETER	RESULTS	Q	DET. LIMIT
Ecptachlor	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

1500940

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01796 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021A

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

TEST CODE : SPNP&P1 JOB NUMBER r9100.193

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-91-01799 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021C

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

1500941

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01798 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021B

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

TEST CODE : SPNP&P1 JOB NUMBER r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01801 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022AD

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	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

1500942

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01800 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01803 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022C

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

1500943

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01802 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022B

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 :9100.193

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-91-01805 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023AD

PARAMETER	RBSULTS	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

1500944

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01804 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : BE-91-01807 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S023C

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
Bndrin	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

1500945

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01806 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023B

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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : BE-91-01809 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024AD

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	PRESENT	L	1000
Dieldrin / 4,4 - DDB	PRESENT	L	2000
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

1500946

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01808 MATRIX : SOLID
SAMPLE ID CLIENT: P15-SO24A

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	PRESENT	L	1000
Dieldrin / 4,4 - DDE	PRESENT	L	2000
Endrin	ND		1000
Chlordanc	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01811 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S024C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	ND		1000
Endrin	ND		1000
Chlordane	ND		1000
Total PCBS	ND		5000

QUALIFIERS: C = CO —— ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATBD DETECTION LIMIT

1500947

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01810 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024B

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 :9100.193

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 : EE-91-01813 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025B

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

1500948

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NME : PNC PEST./PCB UNITS : UG/KG
SAMPLE ID LAB : EE-91-01812 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025A

PARAMETER	RESULTS	Q	DET. LIMIT
Eeptachlor	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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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 : EE-91-01815 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026A

PARAMETER	RBSULTS	Q	DET. LIMIT
Haptachlor	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

1500943

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01814 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025C

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

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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 : BE-91-01817 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026C

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DDT	ND		1000
Dieldrin / 4,4 - DDB	ND		1000
Bndrin	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

1500950

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01816 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026B

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 :9100.193

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 : EB-91-01819 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027B

PARAMETER	RESULTS	Q	DET. LIMIT
Haptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4p4 - 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

1500951

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAXE : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01818 MATRIX : SOLID
SAHPLE ID CLIENT: P15-SO27A

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

TEST CODE : SPNP&P1 JOB NUMBER 19100.193

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 : BE-91-01821 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028A

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

1500952

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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-91-01820 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC PEST./PCB UNITS : UG/KG
SAHPLE ID LAB : EE-91-01823 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S028C

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

1500953

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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 : €E-91-01822 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028B

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

QUALITY CONTROL FOR ACCURACY *AND* PRECISION:
PERCENT RECOVERY OF SOLID MATRIX SPIKE (MS)
(Sample # 1761)

9100.193

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	400	330	a2
Heptachlor	ND	400	530	132
Aldrin	ND	*400*	540	135
Dieldrin	ND	1000	1400	140
Bndrin	ND	1000	1500	150
4,4'-DDT	ND	1000	1500	150
AR1254	ND	5000	4300	86

150954

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOIL MATRIX SPIKE (MS)
FOR PENSACOLA SCREENING
(Sample # 1671)

9100.182

(ug/kg)

Compound	Original Result	Amount Added MS	Amount Determined MS	Percent Recovery MS
Lindane	ND	800	930	116
Heptachlor	ND	800	930	116
Aldrin	ND	800	930	116
Dieldrin	ND	2000	3100	155
Endrin	ND	2000	2900	145
4,4'-DDT	ND	2000	2700	135
Aroclor 1254	ND	5000	6400	128

ND=None detected.

QUALITY CONTROL FOR ACCURACY *AND* PRECISION:
PERCENT RECOVERY OF SOLID MATRIX SPIKE (MS)
(Sample # 1821)

9100.193

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	400	310	78
Heptachlor	ND	400	440	110
Aldrin	ND	400	450	112
Dieldrin	ND	1000	1200	120
Endrin	ND	1000	1200	120
4,4'-DDT	ND	1000	1000	100
AR1254	ND	5000	5400	108

1500955

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF SOLID MATRIX SPIKE (HS)
(Sample # 1801)

9100.193

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	400	560	140
Heptachlor	ND	400	840	210
Aldrin	ND	400	890	222
Dieldrin	ND	1000	2500	250
Endrin	ND	1000	2700	270
4,4'-DDT	ND	1000	2700	270
AR1254	ND	5000	7100	142

TEST CODE :SPNP&P1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE 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	DBT. 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

1500956

TEST CODE :SPNP&P1 JOB NUMBER :9100.198

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
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 :9100.193

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 2 598-45 MATRIX : SOLID

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		1000
Lindane	ND		1000
Aldrin	ND		1000
4,4 - DUT	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

1500957

TEST CODE :SPNP&P1 JOB NUMBER :9100.193

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 : HETBOD BLANK 598-45 MATRIX : SOLID

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

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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-91-01563 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

1500958

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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-91-01562 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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 : BE-91-01772 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002A

PARAMETER	RESULTS	Q	DET. LIMIT
Dueton	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

1500953

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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 . : UGLKG
SAMPLE ID LAB : EE-91-01564 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.193

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-91-01774 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500960

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01773 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002B

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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET VEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAHPLE ID JAB : EE-91-01566 MATRIX : SOLID
SAHPLE ID CLIENT: P15-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

1500961

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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-91-01565 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.171

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-91-01568 HATRIX : SOLID
SAHPLE ID CLIENT: P15-S004A

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

1500962

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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-91-01567 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003C

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 :9100.171

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-91-01570 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004C

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

150963

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01569 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAUE : PNC O-PHOS. PEST. UNITS : UG/KG
SAUPLE ID LAB : EE-91-01859 MATRIX : SOLID
SAUPLE ID CLIENT: P15-S005B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Ualathion	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

150964

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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-91-01858 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.193

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-91-01775 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006A

PARAMETER	RESULTS	Q	DET. LIMIT
—ton	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

1500965

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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 : EE-91-01860 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005C

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 :9100.193

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-91-01777 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500966

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01776 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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 : €E-91-01862 MTRIX : SOLID
SAMPLE ID CLIENT: P15-S007B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Dfazinon	ND		1000

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

1500967

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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-91-01861 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 :9100.198

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-91-01864 MATRIX :SOLID
SAMPLE ID CLIENT: P15-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

1500968

TEST CODE : SPNOPP1 JOB NUMBER : 9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NWE : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01863 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007C

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 :9100.198

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-91-01866 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008C

PARAMETER	RESULTS	0	DET. LIHIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diazinon	ND		1000

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

1500969

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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-91-01865 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008B

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 :9100.182

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-91-01669 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009B

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

1500970

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01668 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009A

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 LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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 : BE-9141778 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010A

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

1500971

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01670 MATRIX : SOLID
SAUPLE ID CLIENT: P15-S009C

PARAMETER	RESULTS	Q	DET. LIMIT
kineton	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST TITLE : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EB-91-01780 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010C

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

1500972

TEST CODE :SPNOPP1 JOB NUHBER :9100.193

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-91-01779 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 STATBD DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01782 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011B

PARAMETER	RESULTS	Q	DET. LIMIT
—ton	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

1500973

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01781 MATRIX : SOLID
SAHPLE ID CLIENT: P15-SO11A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *CROUPS* A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01784 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		lo00
Diazinon	ND		1000

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

1500974

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01783 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01786 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012C

PARAMETER	RESULTS	Q	DET. LIMIT
De-ton	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

1500975

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01785 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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 : BE-91-01672 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S013B

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

1500976

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01671 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013A

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 :9100.182

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-91-01674 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S014A

PARAMETER	RESULTS	Q	DET. LIHIT
Dewton	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

1500977

TEST CODE :SPNOPP1 JOB NUHBER :9100.182

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-91-01673 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013C

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 :9100.182

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-91-01676 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500978

TEST CODE : SPNOPP1 JOB NUMBER : 9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01675 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 BELOW STATED DETECTION LIMIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01678 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015B

PARAMETER	RESULTS	a	DBT. LIMIT
—ton	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

1500973

TEST CODE : SPNOPP1 JOB NUMBER : 9100.182

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-91-01677 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Dewton	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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I *GROUPS* A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01680 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
—ton	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

150096

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01679 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015C

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 r9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01682 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016C

PARAMETER	RESULTS	Q	DBT. 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

1500951

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01681 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S016B

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

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

Ecology and Environaant, 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-91-01684 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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 LIMIT

1500982

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01683 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	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 LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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 : BE-91-01787 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S018A

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

1500983

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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-91-01685 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017C

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 :9100.193

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 : BE-91-01789 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S018C

PARAMETER	RESULTS	a	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

1500984

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01788 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASB I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01791 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1500965

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01790 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01193 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020A

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

1500986

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01792 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S019C

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 LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01795 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020C

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

1500987

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01794 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S020B

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 LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01797 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021AD

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

1500988

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01796 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021A

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 : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01799 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021C

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diuinon	ND		1000

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

1500983

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01798 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021B

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I CROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : HE-91-01801 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022AD

PARAMETER	RBSULTS	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

1500990

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01800 MATRIX : SOLID
SAMPLE ID CLIENT: P15-SO22A

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 :9100.193

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-91-01803 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022C

PARAMETER	RESULTS	Q	DET. LIMIT
—ton	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

1500991

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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 : EE-91-01802 HATRIX : SOLID
SAMPLE ID CLIENT: P15-S022B

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 LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01805 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023AD

PARAMETER	RBSULTS	Q	DET. LIHIT
—ton	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

1500992

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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
SAHPLE ID LAB : EE-91-01804 MATRIX : SOLID
SAHPLE ID CLIENT: **P15-S023A**

PARAMETER	RESULTS	Q	DET. LIMIT
Dcmeton	**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 :9100.193

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-91-01807 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023C

PARAMETER	RESULTS	Q	DET. LIMIT
Dewton	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

1500953

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01806 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Halathion	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

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01809 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024AD

PARAMETER	RESULTS	Q	DBT. 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

1500934

TEST CODE :SPNOPP1 JOB NUHBER :9100.193

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-91-01808 MATRIX : SOLID
SAMPLE ID CLIENT: P15-SO24A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01811 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024C

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 STATBD DETECTION LIMIT

1500935

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEIASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01810 MIRIX : SOLID
SAMPLE ID CLIENT: P15-S024B

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 :9100.193

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. WITS : UG/KG
SAHPLE ID LAB : EE-91-01813 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S025B

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parrthion	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

1500906

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01812 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025A

PARAMETER	RESULTS	Q	DET. LIMIT
Dcmeton	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01815 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026A

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		1000
Malathion	ND		1000
Parathion	ND		1000
Diaainon	ND		1000

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

1500997

TEST CODE : SPNOPP1 JOB NUMBER : 9100.193

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-91-01814 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025C

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 :9100.193

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-91-01817 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026C

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

1500908

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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
SAHPLE ID LAB : EE-91-01816 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S026B

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 BBLOV STATED DETECTION LIHIT

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01819 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027B

PARAMETER	RESULTS	Q	DBT. 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

1500939

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01818 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01821 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S028A

PARAMETER	RBSULTS	Q	DBT. 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

150100

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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-91-01820 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I *CROUPS* A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : BE-91-01823 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028C

PARAMETER	RBSULTS	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

1501001

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAHE : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : EE-91-01822 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028B

PARAMETER	RESULTS	Q	DET. LIHIT
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

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.198

(ug/kg)

Parametrr	E & E Laboratory No. 90-1866	Original Value	Amount Added	Amount Determined	Percent Recovery
Halathion		ND	1000	1313	131
Parathion		ND	1000	1421	142

1501002

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.171

(ug/kg)

Parameter	E & E Laboratory No. 90-1525	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	1000	1035	104
Parathion		ND	1000	1500	150

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.193

(ug/kg)

Parameter	B 6 E Laboratory No. 91-1780	Original Value	Amount Added	Amount Determined	Percent Recovery
Halathion		ND	1000	540	54
Parathion		ND	1000	600	60

1501003

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPHOSPHOROUS SAMPLES

9100.182

(ug/kg)

Parameter	E & E Laboratory No. 91-1670	Original Value	Amount Added	Amount Determined	Percent Recovery
Halathion		ND	1000	1300	130
Parathion		ND	1000	1600	160

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPEOSPEOROUS SAMPLES

9100.193

(ug/kg)

Parameter	E & E Laboratory No. 91-1820	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	1000	1700	170*
Parathion		ND	1000	950	95

* = Co-elution problem.

1501004

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPBOSPEOROUS SAMPLES

9100.193

(ug/kg)

Parameter	E & E Laboratory No. 91-1800	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	1000	*740*	*74*
Parathion		ND	1000	*640*	*64*

TEST CODE :SPNOPP1 JOB NUMBER :9100.198

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 : 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

1501005

TEST CODE :SPNOPP1 JOB NUMBER :9100.171

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
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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/KG
SAMPLE ID LAB : METHOD BLANK 598-45 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

1501006

TEST CODE :SPNOPP1 JOB NUMBER :9100.182

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 : METEOD 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 LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.171

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-91-01562 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethiocarh	ND		1000

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

1501007

TEST CODE :SPNOPP1 JOB NUMBER :9100.193

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 : METHOD BLANK 2 598-45 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 :SPNCRB1 JOB NUMBER :9100.171

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-91-01564 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001C

PARAHETER	RESULTS	Q	DET. LIMIT
Oxamy1	ND		1000
He thorny1	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

1501068

TEST CODE :SPNCRB1 JOB NUMBER :9100.171

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-91-01563 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S001B

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 :9100.193

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 : BE-91-01773 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002B

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

1501003

TEST CODE : SPNCRB1 JOB NUMBER : 9100.193

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
SAHPLE ID LAB : EE-91-01772 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Hethomyl	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 :9100.171

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OH-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01565 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Nethiocarb	ND		1000

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

1501010

TEST CODE : SPNCRB1 JOB NUMBER : 9100.193

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
SAHPLE ID LAB : EE-91-01774 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S002C

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.171

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-91-01567 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003C

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

1501011

TEST CODE :SPNCRB1 JOB NUMBER :9100.171

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-91-01566 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S003B

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 :9100.171

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-91-01569 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004B

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

1501012

TEST CODE :SPNCRB1 JOB NUMBER :9100.171

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-91-01568 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004A

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 :9100.171

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-91-01570 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S004C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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 :9100.198

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-91-01858 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005A

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

1501014

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

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-91-01859 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005B

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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01860 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S005C

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

1501015

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01775 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006A

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 LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I CROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : EE-91-01776 MATRIX : SOLID
SAMPLE ID CLIENT:. P15-S006B

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

1501016

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01777 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S006C

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01861 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007A

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

1501017

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

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-91-01862 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007B

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluoaeturon	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

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01863 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S007C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofurrn	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

1501018

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

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-91-01864 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008A

PARAMETER	RESULTS	Q	DET. LIMIT
~~amyl	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 :9100.198

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-91-01865 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S008B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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

1501019

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

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-91-01866 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S008C

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

TEST CODE :SPNCRB1 JOB NUMBER r9100.182

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-91-01668 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		lo00
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

1501020

TEST CODE :SPNCRB1 JOB NUHBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01669 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S009B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluomcturon	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 :9100.182

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
SAXPLE ID LAB : EE-91-01670 MATRIX : SOLID
SAXPLE ID CLIENT: P15-S009C

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

1501021

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01778 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010A

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
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER r9100.193

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-91-01779 MATRIX : SOLID
SAMPLE ID CLIENT: P15-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

1501022

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01780 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S010C

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01781 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011A

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

1501023

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01782 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011B

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 = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Centrr

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-91-01783 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S011C

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

1501024

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01784 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012A

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01785 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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

1501025

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST N M E : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01786 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S012C

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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-91-01671 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013A

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

1501026

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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
SAHPLE ID LAB : EE-91-01672 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013B

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

TEST CODE : SPNCRB1 JOB NUMBER r9100.182

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-91-01673 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S013C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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

1501027

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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-91-01674 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014A

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 = ESTIHATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE : SPNCRB1 JOB NUMBER : 9100.182

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
SAHPLE ID LAB : EE-91-01675 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014B

PARAMETER	RESULTS	Q	DBT. 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

1501028

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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
SWPLE ID LAB : EE-91-01676 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S014C

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 LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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-91-01677 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Pluoacturon	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

1501029

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

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-91-01678 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015B

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 : 9100.182

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-91-01679 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S015C

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

1501030

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01680 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Mcthomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	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 :9100.182

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-91-01681 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016B

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

1501031

TEST CODE :SPNCRB1 JOB NUMBER :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UA-6000 NASP PEASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01682 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S016C

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 :9100.182

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-91-01683 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017A

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

1501032

TEST CODE : SPNCRB1 JOB NUMBER : 9100.182

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-91-01684 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017B

PARAUETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	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 :9100.182

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01685 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S017C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
nethomyl	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

1501033

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01787 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S018A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
nethomyl	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 t9100.193

Ecology and Environment, Iac.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01788 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S018B

PARAMETER	RBSULTS	Q	DET. LIMIT
Oxamyl	IUD		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

1501031

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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
SAHPLE ID LAB : EE-91-01789 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S018C

PARAMETER	RESULTS	Q	DET. LIHIT
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 = PRESBNT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01790 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019A

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

1501035

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01791 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S019B

PARAHETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EB-91-01792 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S019C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
	ND		1000
Carbofuran	ND		1000
Pluowturon	ND		1000
nethiocarb	ND		1000

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

1501036

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAHE : PNC CARBAHATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01793 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hcthiocarb	ND		1000

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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 : BE-91-01794 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S020B

PARAMETER	RBSULTS	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

1501037

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01795 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S020C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	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 :9100.193

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 : BE-91-01796 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicsrb	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

1501038

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01797 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021AD

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Nethomyl	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I *GROUPS* A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAHPLE ID LAB : BE-91-01798 MATRIX : SOLID
SAHPLE ID CLIENT: P15-S021B

PARAMETER	RESULTS	Q	DBT. 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

1501033

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01799 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S021C

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluomcturon	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01800 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022A

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

1501040

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01801 MATRIX : SOLID
SAMPLE ID CLIENT: P15-SO22AD

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

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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
SAUPLE ID LAB : EE-91-01802 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022B

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

1501041

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01803 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S022C

PARAMETER	RESULTS	Q	DET. LIHIT
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 LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01804 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldlcarb	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

1501042

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01805 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023AD

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

TEST CODE :SPNCRB1 JOB NUMBER r9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : BE-9141806 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023B

PARAMETER	RBSULTS	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

1501043

TEST CODE : SPNCRB1 JOB NUMBER : 9100.193

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-91-01807 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S023C

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01808 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S024A

PARAMETER	RBSULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
	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

1501044

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01809 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024AD

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01810 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S024B

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

1501045

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01811 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S024C

PARAMETER	RESULTS	Q	DET. LIHIT
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 LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASB I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01812 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025A

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

1501046

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01813 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025B

PARAMETER	RESULTS	Q	DET. LIHIT
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
3 = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOV STATED DETECTION LIHIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-B
RESULTS IN WET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01814 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S025C

PARAMETER	RESULTS	Q	DBT. LIMIT
Oxamyl	ND		1000
Hethomyl	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

1501047

TEST CODE : SPNCRB1 JOB NUMBER : 9100.193

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-91-01815 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026A

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : EE-91-01816 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026B

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Methomyl	ND		1000
Aldicarb	ND		1000
	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

1501046

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01817 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S026C

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
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01818 MATRIX :SOLID
SAMPLE ID CLIENT: P15-S027A

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	m		1000
Methomyl	m		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

1501043

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01819 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027B

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		1000
Hethomyl	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 : 9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
RESULTS IN VET WEIGHT
TEST NAME : PNC CARBAMATES-LC UNITS : UG/KG
SAMPLE ID LAB : BE-91-01820 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S027C

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

1501050

TEST CODE :SPNCRB1 JOB NUMBER :9100.193

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-91-01821 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028A

PARAMETER	RESULTS	Q	DET. LIHIT
Oxamyl	ND		1000
Hethomyl	ND		1000
Aldicarb	ND		1000
Baygon	ND		1000
Carbofuran	ND		1000
Fluometuron	ND		1000
Hethfocarb	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 r9100.193

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 : E-91-01822 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028B

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

150/051

TEST CODE :SPNCRB1 JOB NUMBER :9100.198

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 : METHOD BLANK MATRIX : SOLID

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

1501052

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAHPLES

9100.193

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank	ND	50	39	78

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.193

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank	ND	50	26	52

1501053

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.182

(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 NUMBER :9100.193

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 : BE-91-01823 MATRIX : SOLID
SAMPLE ID CLIENT: P15-S028C

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

1501054

APPENDIX E

TEMPORARY MONITORING WELL GROUNDWATER SAMPLING ANALYTICAL SCREENING RESULTS

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

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

Report Title: [illegible]

Client: [illegible]

Laboratory Data Review	Supervisor	Date
Metals		
Gen. Chem.		
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) Lakedale [illegible], [illegible] to ASC		
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: [illegible]

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

407064

MEMORANDUM

To: John Barksdale

FROM: Gary Hahn

DATE: March 1, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.193

CC: Lab Pile

Attached it the laboratory report of the analysis conducted on fifty eight samples received at tbe Analytical Services Center on January 26, 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 bucl will be retained by E & B for a period of 30 days from tbe 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:jp
enclosure

1501056

M E M O R A N D U M

TO: John Barksdale

FROM: Gary Bahn

DATE: February 25, 1991

SUBJECT: UH-6000 Pensacola Report

REF: 9100.198

CC: Lab File

Attached is the laboratory report of the analysis conducted on twelve samples received at the Analytical Services Center on January 29, 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

MEMORANDUM

TO: John Barksdale

FROM: Gary Hahn

DATE: February 27, 1991

SUBJECT: UH-6000 Pensacola Report

REP: 9100.202

CC: Lab Pile

Attached is the laboratory report of the analysis conducted on three samples received at the Analytical Services Center on January 29, 1991. Analysis v u 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 B 6 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 requuted 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

1501057

15148

1366

9100.202

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.: UH 6040

Project Name: NASA PHASE I A-E

Project Manager: J. BARKSDALE

Samplers: (Signatures) Mike Clonts

Field Team Leader: M. Clonts

	STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	SCREENING PARAMS	CARCINOGENICS	ORGANOHALOGENATED PESTICIDES	PESTICIDES & TOTAL PCBs	SCREENING METALS	SCREENING VOCs	418.1	REMARKS
P15	GW#26	1-26	0950		X		LOW 1881	SITE 15, WELL # 16	5	X	X	X	X	X	X	X	½ GAL AMBER:
P15	GW#25	1-26	0920		↓		82	, WELL # 25	↓	↓	↓	↓	↓	↓	↓	↓	LOT # R.P115013
P15	GW#26D	1-26	0950		↓		83	, WELL # 26	↓	↓	↓	↓	↓	↓	↓	↓	QC # 104130
																	LITER AMBER:
																	LOT # 9223013
																	QC # 3232C
																	Poly:
																	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
Mike Clonts	1-28-91/1700					FED-X
Relinquished By: (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 9564602972
Relinquished By: (Signature) Fred Eppell	Date/Time 1-29-91/1545	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date 1-29-91

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form

734055

JOB NUMBER : 9100.193

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODB	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1819.01	P15-S027B	SPNPRG1	01/25/91		01/31/91
1819.02	P15-S027B	SPNTPH1	01/25/91		02/01/91
1819.03	PU-SO278	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		01/31/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1820.01	P15-S027C	SPNPRG1	01/25/91		01/31/91
1820.02	P15-S027C	SPNTPH1	01/25/91		02/01/91
1820.03	P15-S027C	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1821.01	P15-S028A	SPNPRG1	01/25/91		01/31/91
1821.02	P15-S028A	SPNTPH1	01/25/91		02/01/91
1821.03	P15-S028A	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1822.01	P15-S028B	SPNPRG1	01/25/91		01/31/91
1822.02	P15-S028B	SPNTPH1	01/25/91		02/01/91
1822.03	P15-S028B	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1823.01	P15-S028C	SPNPRG1	01/25/91		02/04/91
1823.02	P15-S028C	SPNTPH1	01/25/91		02/01/91
1823.03	P15-S028C	SPNCRB1	01/25/91		02/21/91
		SPNMET1	01/25/91		01/29/91
		SPNOPP1	01/25/91		02/01/91
		SPNP&P1	01/25/91		02/01/91
		SPNPAH1	01/25/91		02/07/91
1824.01	P15-GW019	WPNPRG1	01/25/91		01/29/91
1824.03	P15-GW019	WPNCRB1	01/25/91		02/21/91
		WPNOPP1	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/06/91
1824.04	P15-GW019	WPNTPH1	01/25/91		01/28/91
1824.05	P15-GW019	WPNMET1	01/25/91		01/29/91
1825.01	P15-GW020	WPNPRG1	01/25/91		01/29/91
1825.03	P15-GW020	WPNCRB1	01/25/91		02/21/91
		WPNOPP1	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/03/91

1501058

JOB NUHBER : 9100.198

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1864.03	P15-S008A	SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1865.01	P15-S008B	SPNPRGl	01/28/91		02/01/91
1865.02	P15-S008B	SPNTPH1	01/28/91		02/01/91
1865.03	P15-S008B	SPNCRB1	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1866.01	P15-S008C	SPNPRGl	01/28/91		02/01/91
1866.02	P15-S008C	SPNTPH1	01/28/91		02/01/91
1866.03	P15-S008C	SPNCRB1	01/28/91		02/17/91
		SPNMET1	01/28/91		01/30/91
		SPNOPPl	01/28/91		02/05/91
		SPNP&P1	01/28/91		02/05/91
		SPNPAH1	01/28/91		02/07/91
1867.01	P15-GW024	WPNPRGl	01/25/91		02/02/91
1867.03	P15-GW024	WPNCRB1	01/25/91		02/19/91
		WPNOPPl	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1867.04	P15-GW024	WPNTPH1	01/25/91		01/30/91
1867.05	P15-GW024	WPNMET1	01/25/91		01/30/91
1868.01	P15-GW027	WPNPRGl	01/25/91		02/02/91
1868.03	P15-GW027	WPNCRB1	01/25/91		02/17/91
		WPNOPPl	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1868.04	P15-GW027	WPNTPH1	01/25/91		01/30/91
1868.05	P15-GW027	WPNMET1	01/25/91		01/30/91
1869.01	P15-GW028	WPNPRGl	01/25/91		02/02/91
1869.03	P15-GW028	WPNCRB1	01/25/91		02/17/91
		WPNOPPl	01/25/91		02/01/91
		WPNP&P1	01/25/91		02/01/91
		WPNPAH1	01/25/91		02/07/91
1869.04	P15-GW028	WPNTPH1	01/25/91		01/30/91
1869.05	P15-GW028	WPNMET1	01/25/91		01/30/91

JOB NUMBER : 9100.202

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST CODE	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
1881.01	P15-GW025	WPNPRG1	01/26/91		02/02/91
1881.03	P15-GW025	WPNCRB1	01/26/91		02/17/91
		WPNOPP1	01/26/91		02/05/91
		WPNP&P1	01/26/91		02/01/91
		WPNPAH1	01/26/91		02/08/91
1881.04	P15-GW025	WPNTPH1	01/26/91		01/30/91
1881.05	P15-GW025	WPNMET1	01/26/91		01/31/91
1882.01	P15-GW026	WPNPRG1	01/26/91		02/02/91
1882.03	P15-GW026	WPNCRB1	01/26/91		02/17/91
		WPNOPP1	01/26/91		02/05/91
		WPNP&P1	01/26/91		02/01/91
		WPNPAH1	01/26/91		02/08/91
1882.04	P15-GW026	WPNTPH1	01/26/91		01/30/91
1882.05	P15-GW026	WPNMET1	01/26/91		01/31/91
1883.01	P15-GW026D	WPNPRG1	01/26/91		02/02/91
1883.03	P15-GW026D	WPNCRB1	01/26/91		02/17/91
		WPNOPP1	01/26/91		02/05/91
		WPNP&P1	01/26191		02/01/91
		WPNPAH1	01/26/91		02/08/91
1883.04	P15-GW026D	WPNTPH1	01/26/91		01/30/91
1883.05	P15-GW026D	WPNMET1	01/26/91		01/31/91

1501059

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01824 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW019

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	8000		70	UG/L
Chromium	400		10	UG/L
Zinc	2200		20	UG/L
Lead	240		40	UG/L
Cadmium	28		5.0	UG/L
Nickel	110		40	UG/L
Copper	190		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

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
SAMPLE ID LAB :EE-91-01825 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	120		10	UG/L
Zinc	150		20	UG/L
Lead	100		40	UG/L
cadmium	6.7		5.0	UG/L
Nickel	ND		40	UG/L
Copper	50		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

1501000

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01826 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020D

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	130		10	UG/L
Zinc	180		20	UG/L
Lead	66		40	UG/L
Cadmium	6.1		5.0	UG/L
Nickel	ND		40	UG/L
Copper	60		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

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		70	UG/L
Chromium	260		10	UG/L
Zinc	560		20	UG/L
Lead	180		40	UG/L
Cadmium	18		5.0	UG/L
Nickel	96		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

1501061

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01828 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW022

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	510		70	UG/L
Chromium	180		10	UG/L
Zinc	770		20	UG/L
Lead	100		40	UG/L
Cadmium	10		5.0	UG/L
Nickel	53		40	UG/L
Copper	86		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

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01829 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW023

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Arsenic	490		70	UG/L
Chromium	110		10	UG/L
Zinc	340		20	UG/L
Lead	89		40	UG/L
Cadmium	5.8		5.0	UG/L
Nickel	ND		40	UG/L
Copper	56		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

1501062

JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAUPLE ID LAB :EE-91-01867 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	250		10	UG/L
Zinc	300		20	UG/L
Lead	180		40	UG/L
Cadmium	16		5.0	UG/L
Nickel	49		40	UG/L
Copper	110		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

JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	240		10	UG/L
Zinc	300		20	UG/L
Lead	180		40	UG/L
Cadmium	25		5.0	UG/L
Nickel	65		40	UG/L
Copper	85		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

15010E3

JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01882 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	320		10	UG/L
Zinc	290		20	UG/L
Lead	300		40	UG/L
Cadmium	38		5.0	UG/L
Nickel	71		40	UG/L
Copper	100		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

JOB NUMBER r9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01883 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026D

PARAMETER	RESULTS	Q	DBT. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	250		10	UG/L
Zinc	230		20	UG/L
Lead	240		40	UG/L
Cadmium	31		5.0	UG/L
Nickel	60		40	UG/L
Copper	78		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

1501064

JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	98		10	UG/L
Zinc	140		20	UG/L
Lead	64		40	UG/L
Cadmium	11		5.0	UG/L
Nickel	ND		40	UG/L
Copper	50		25	UG/L
Silver	ND		10	UG/L

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

JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :EE-91-01869 MATRIX: VATER
SAMPLE ID CLIENT: P15-GW028

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	ND		69	UG/L
Chromium	140		10	UG/L
Zinc	260		20	UG/L
Lead	78		40	UG/L
Cadmium	18		5.0	UG/L
Nickel	ND		40	UG/L
Copper	79		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

1501065

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

9100.193

(ug/L)

Parameter	E & E Laboratory No. 91-01828	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		510	620	19
Cadmium		10	15	40
Chromium		180	190	5.4
Copper		86	91	5.6
Lead		100	150	40
Nickel		53	58	9
Silver		ND	ND	NC
Zinc		770	800	3.8

NC = Not Calculable

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.193

(ug/L)

Parameter	E & E Laboratory No. 91-01828	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		510	2000	2300	90
Cadmium		10	50	56	92
Chromium		180	200	360	90
Copper		86	250	330	98
Lead		100	500	580	96
Nickel		53	500	520	93
Silver		ND	50	45	90
Zinc		770	500	1300	106

1501066

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

9100.198

(ug/L)

Parameter	E & E Laboratory No. 91-01868	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	--
Chromium		98	100	2.0
Zinc		140	130	7.4
Lead		64	77	18
Cadmium		11	9.1	19
Nickel		ND	ND	--
Copper		50	47	6.2
Silver		ND	ND	--

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.198

(ug/L)

Parameter	E & E Laboratory No. 91-01868	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	2000	1600	80
Chromium		98	200	280	91
Zinc		140	500	600	92
Lead		64	500	540	95
Cadmium		11	50	55	88
Nickel		ND	500	500	100
Copper		50	250	280	92
Silver		ND	50	46	92

1501067

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

9100.202

(ug/L)

Parameter	E & E Laboratory No. 91-01881	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Arsenic		ND	ND	NC
Cadmium		25	26	3.9
Chromium		240	240	0
Copper		85	88	3.5
Lead		180	93	64
Nickel		65	59	9.7
Silver		ND	ND	NC
Zinc		300	300	0

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.202

(ug/L)

Parametar	E & E Laboratory No. 91-01881	Original Value	Amount Added	Amount Determined	Percent Recovery
Arsenic		ND	2000	1700	85
Cadmium		25	50	76	102
Chromium		240	200	440	100
Copper		85	250	330	98
Lead		180	500	670	98
Nickel		65	500	580	103
Silver		ND	SO	45	90
Zinc		300	500	840	108

1501068

JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :METHOD BLANK MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Arsenic	IUD		70	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 = COHMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED DETECTION LIMIT

JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :METHOD BLANK MATRIX: WATER

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

1501069

JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :METHOD BLANK MATRIX: WATER

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 UMIT

TEST CODE :WPNTPH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
EE-91-01824 P15-GW019	ND		1.0
EE-91-01825 P15-GW020	ND		1.0
EE-91-01826 P15-GW020D	ND		1.0
EE-91-01827 P15-GW021	ND		1.0
EE-91-01828 P15-GW022	ND		1.0
EE-91-01829 P15-GW023	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

1501070

TEST CODE :WPNTPH1 JOB NUMBER :9100.198

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-91-01867 P15-GW024	ND		1.0
EE-91-01868 P15-GW027	ND		1.0
EE-91-01869 P15-GW028	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 CODE :WPNTPH1 JOB NUMBER :9100.202

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-91-01881 P15-GW025	ND		1.0
EE-91-01882 P15-GW026	ND		1.0
EE-91-01883 P15-GW026D	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

1501071

TEST CODE :WPNTPH1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

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

SAMPLE ID	RESULTS	Q	DET. LIMIT
METHOD BLANK	ND		1.0

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 :VPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAHE : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : BE-91-01824 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW019

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
Chlorobenzene	ND		10

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

150107

TEST CODE :WPNPRG1 JOB NUMBER :9100.193

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-91-01825 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

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
Tetrachloroethane	ND		10
Chlorobenzene	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 :9100.193

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-91-01826 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020D

PARAMETER	RBSULTS	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
Chlorobenzene	ND		10

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

1501073

TEST CODE :WPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAHPLE ID LAB : EE-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

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 - Dichloroethene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethenc	ND		10
1,1 - Dichloroethane	ND		10
1,1,1 - Trlchlorocthane	ND		10
1,2 - Dichloroethane	ND		10
Trichloroethene	ND		10
Tetrachloroethcne	ND		10
Chlorobenzene	ND		10

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

TEST CODE :VPNPRG1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASB I GROUPS A-B
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01828 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW022

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		10
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
Chlorobenzene	ND		10

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

1501074

TEST CODE :WPNPRG1 JOB NUMBER :9100.193

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-91-01829 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW023

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 - Dichlorocthene	ND		10
Methylene Chloride	ND		10
Trans - 1,2 - Dichloroethene	ND		10
1,1 - Dichlorocthane	ND		10
1,1,1 - Trichlorocthane	ND		10
1,2 - Dichlorocthanc	ND		10
Trichloroethenc	ND		10
Tetrachlorocthcne	ND		10
Chlorobenzene	ND		10

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

TEST CODE :WPNPRG1 JOB NUMBER :9100.198

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-91-01867 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

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 - Dichlorocthane	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichlorocthanc	ND		10
Trichloroethcne	ND		10
Tetrachloroethene	ND		10
Chlorobenzene	ND		10

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

1501075

TEST CODE :WPNPRG1 JOB NUMBER :9100.202

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-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbcnzcne	ND		10
Total Xylenes	ND		10
1,1 - Dichlorocthcne	ND		10
Hethylene Chloride	PRESENT	LB	10
Trans - 1,2 - Dichlorocthene	ND		10
1,1 - Dichlorocthanc	ND		10
1,1,1 - Trichlorocthanc	ND		10
1,2 - Dichloroethane	ND		10
Trichlorocthcnc	ND		10
Tctrachloroethcnc	ND		10

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

TEST CODE :VPNPRG1 JOB NUMBER t9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : BE-91-01882 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026

PARAMETER	RBSULTS	Q	DET. LIHIT
Benzene	ND		10
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	PRESENT	LB	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
Tetrachloroethane	ND		10

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

150107G

TEST CODE :WPNPRG1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAHPLE ID LAB : EE-91-01883 MATRIX: WATER
SMPLE ID CLIENT: P15-GW026D

PARAMETER	RESULTS	Q	DET. LIHIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,1 - Dichloroethenc	ND		10
Methylene Chloride	PRESENT	LB	10
Trans - 1,2 - Dichlorocthene	ND		10
1,1 - Dichloroethanc	ND		10
1,1,1 - Trichloroethane	ND		10
1,2 - Dichloroethanc	ND		10
Trichloroethene	ND		10
Tetrachloroethane	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 :9100.198

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-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

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
Trichlorocthenc	ND		10
Tetrachloroethene	ND		10
Chlorobenzene	ND		10

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

150107

TEST CODE :WPNPRG1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : EE-91-01869 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW028

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
Chlorobenzene	ND		10

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

TEST CODE :WPNPRG1 JOB NUMBER :9100.193

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. 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
Chlorobenzene	ND		10

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

1501078

TEST CODE :WPNPRG1 JOB NUMBER :9100.198

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. 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
Chlorobenzene	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 r9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
TEST NAME : PNC PURGABLES- GC UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Benzene	ND		lo
Toluene	ND		10
Ethylbenzene	ND		10
Total Xylenes	ND		10
1,1 - Dichloroethene	ND		10
Methylene Chloride	PRESENT	L	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

1501079

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

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-91-01824 MATRIX: WATER
SAMPLE ID CLIENT: P15-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

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC PAR - LC UNITS : UG/L
SAMPLE ID LAB : BE-91-01625 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

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

150100

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAHE : PNC PAE - LC UNITS : UG/L
SAHPLE ID LAB : EE-91-01826 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020D

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

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

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

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-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

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 STATBD DETECTION LIMIT

1501081

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAHPLE ID LAB : EE-91-01828 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW022

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

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

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

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-91-01829 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW023

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

1501082

TEST CODE :WPNPAH1 JOB NUMBER :9100.198

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 : €E-91-01867 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

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 r9100.202

Ecology and Environaent, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
TEST NAME : PNC PAR - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

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

1501083

TEST CODE :WPNPAH1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC PAH - LC UNITS : UG/L
SAHPLE ID LAB : EE-91-01882 HATRIX : WATER
SAHPLE ID CLIENT: P15-GW026

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

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

TEST CODE :WPNPAH1 JOB NUMBER :9100.202

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-91-01883 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026D

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

1501084

TEST CODE :WPNPAH1 JOB NUMBER :9100.198

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-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

PARAMETER	RESULTS	Q	DET. LIMIT
Total as Benzo-a-pyrene	ND		100

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

TEST CODE :WPNPAH1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC PAR - LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01869 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW028

PARAMETER	RESULTS	Q	DET. LIHIT
Total as Bcnzo-a-pyrcne	ND		100

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

1501065

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.193

(ug)

Parameter	E 6 E Laboratory No. 91-	Original Value	Amount Added	Amount Determincd	Percent Recovery
Benzo(A)pyrene	1828.03	ND	50	35	70

QUALITY CONTROL POR ACCURACY: PERCENT RECOVERY FOR SPIKED SOIL SAMPLES

9100.198

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1865.03	ND	50	41	81

1501086

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.198

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	1867.03	ND	50	46	92

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIRED WATER SAMPLES

9100.202

(ug/L)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Benzo(A)pyrene	Batch QC	ND	50	46	92

1501067

TEST CODE :WPNPAH1 JOB NUMBER :9100.193

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 : METHOD BLANK 598-39 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

TEST CODE :WPNPAH1 JOB NUMBER :9100.202

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 : 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

1501088

TEST CODE :WPNP&P1 JOB NUMBER :9100.193

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-91-01824 MATRIX : WATER
SAMPLE ID CLIENT: P15-GW019

PARAMETER	RESULTS	Q	DET. LIMIT
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

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 :9100.193

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-91-01825 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

PARAMETER	RESULTS	Q	DET. LIMIT
Ecptachlor	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

1501089

TEST CODE :WPNP&P1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
TEST NAME : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : EE-91-01826 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020D

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

TEST CODE :WPNP&P1 JOB NUMBER :9100.193

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 : BE-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

PARAMETER	RESULTS	Q	DET. LIMIT
Heptachlor	ND		5.0
Lindane	ND		5.0
Aldrin	ND		5.0
494 - 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

1501090

TEST CODE :WPNP&P1 JOB NUMBER :9100.198

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 : E€-91-01667 HATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

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	PRESENT	L	5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

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

TEST CODE :WPNP&P1 JOB NUMBER t9100.193

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 : EE-91-01829 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW023

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	IUD		10

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

1501091

TEST CODE :WPNP&P1 JOB NUMBER :9100.202

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-91-01882 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026

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

TEST CODE :WPNP&P1 JOB NUMBER :9100.202

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-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

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	PRESENT	L	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

1501092

TEST CODE :WPNP&P1 JOB NUMBER :9100.198

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-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

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	PRESENT	L	5.0
Endrin	ND		5.0
Chlordane	ND		5.0
Total PCBS	ND		10

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

TEST CODE :WPNP&P1 JOB NUMBER :9100.202

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-91-01883 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026D

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

1501093

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF WATER MATRIX SPIKE (MS)
(Sample # 1883)

9100.202

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Lindane	ND	2.0	1.8	90
Heptachlor	ND	2.0	1.8	90
Aldrin	ND	2.0	1.6	80
Dieldrin	ND	5.0	5.0	100
Endrin	ND	5.0	4.5	90
4,4 -DDT	ND	5.0	3.4	68

TEST CODE :WPNP&P1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I *GROUPS* A-E
TEST NAHE : PNC PEST./PCB UNITS : UG/L
SAMPLE ID LAB : E€-91-01869 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW028

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

1501094

TEST CODE :WPNP&P1 JOB NUMBER :9100.193

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 : METHOD BLANK 598-51 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
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

QUALITY CONTROL FOR ACCURACY AND PRECISION:
PERCENT RECOVERY OF WATER MATRIX SPIKE (MS)
(Sample # 1882)

9100.202

Compound	Original Result	Amount Added	Amount Determined	Percent Recovery
Aroclor 1254	ND	5.0	4.5	90

1501035

TEST CODE :WPNP&P1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UR-6000 NASP PHASE I GROUPS A-E
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
494 - 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

TEST CODE :WPNP&P1 JOB NUMBER :9100.198

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: 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
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

1501096

TEST CODE :WPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01825 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

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 :9100.193

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-91-01824 MATRIX: WATER
SAMPLE ID CLIENT: P15-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

1501097

TEST CODE :WPNOPP1 JOB NUHBER :9100.193

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-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

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 LIHIT

TEST CODE :WPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01826 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020D

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

1501098

TEST CODE :WPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01829 MATRIX: WATER
SAMPLE ID CLIENT! P15-GW023

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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAHPLE ID LAB : EE-91-01828 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW022

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

150109

TEST CODE :WPNOPP1 JOB NUMBER :9100.202

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-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

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

TEST CODE :WPNOPP1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/L
SAHPLE ID LAB : EE-91-01867 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

PARAMETER	RESULTS	Q	DET. LIMIT
Demeton	ND		100
Halathion	ND		100
Parathion	ND		100
Diazinon	ND		100

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

150110

TEST CODE :WPNOPP1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I CROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : €E-91-01883 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026D

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 :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01882 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026

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

1501101

TEST CODE :WPNOPP1 JOB NUMBER :9100.198

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 : E€-91-01869 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW028

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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : EE-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

PARAMETER	RESULTS	Q	DET. LIMIT
Deaeton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

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

1501102

TEST CODE :WPNOPP1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC 0-PROS. PEST. UNITS : UG/L
SAHPLE ID LAB : HETHOD BLANK 598-71 MATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Demcton	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

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED ORGANOPEOSPEOROUS SAMPLES

9100.193

(ug/L)

Parameter	E & E Laboratory No. 91-1824	Original Value	Amount Added	Amount Determined	Percent Recovery
Malathion		ND	5.0	4.1	82
Parathion		ND	5.0	ND	0

1501103

TEST CODE :WPNOPP1 JOB NUMBER :9100.202

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 :WPNOPP1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC O-PHOS. PEST. UNITS : UG/L
SAMPLE ID LAB : METHOD BLANK HATRIX: WATER

PARAMETER	RESULTS	Q	DET. LIMIT
Deneton	ND		100
Malathion	ND		100
Parathion	ND		100
Diazinon	ND		100

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

1501104

TEST CODE :WPNCRB1 JOB NUMBER :9100.193

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-91-01825 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW020

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 :9100.193

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 : E-91-01824 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW019

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

1501165

TEST CODE :WPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAHATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01827 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW021

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Hethomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluomcturon	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 :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SMPLE ID LAB : EE-91-01826 MATRIX: WATER
SMPLE ID CLIBNT: P15-GW020D

PARAMETER	RESULTS	Q	DE". LIMIT
Oxamyl	ND	-	100
Methomyl	ND		100
Aldlcarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluometuron	ND		100
nethiocarb	ND		100

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

1501106

TEST CODE :WPNCRB1 JOB NUMBER :9100.193

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-91-01829 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW023

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 BELOW STATED DETECTION LIMIT

TEST CODE :WPNCRB1 JOB NUMBER :9100.193

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SMPLE ID LAB : EE-91-01828 MATRIX: WATER
SMPLE ID CLIENT: P15-GW022

PARAMETER	RBSULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Pluometuron	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

150110?

TEST CODE :WPNCRB1 JOB NUMBER :9100.202

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-91-01881 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW025

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Fluomcturon	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 :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01867 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW024

PARAMETER	RESULTS	Q	DET. LIHIT
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

1501108

TEST CODE :WPNCRB1 JOB NUMBER :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PRASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01883 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026D

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Methomyl	ND		100
Aldicarb	ND		100
Baygon	ND		100
Carbofuran	ND		100
Pluomcturon	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

TEST CODE :WPNCRB1 JOB NUMBER :9100.202

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-91-01882 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW026

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

1501109

TEST CODE :WPNCRB1 JOB NUMBER :9100.198

Ecology and Environment, Inc.
Analytical Services Center

CLTENT : UH-6000 NASP PHASE I GROUPS A-E
TEST NAME : PNC CARBAMATES-LC UNITS : UG/L
SAMPLE ID LAB : EE-91-01868 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW027

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Hethomyl	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

1501210

TEST CODE :WPNCRB1 JOB NUMBER :9100.198

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-91-01869 MATRIX: WATER
SAMPLE ID CLIENT: P15-GW028

PARAMETER	RESULTS	Q	DET. LIMIT
Oxamyl	ND		100
Nethomyl	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 BELOW STATED DETECTION LIMIT

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOIL SAMPLES

9100.198

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	1867	ND	50	22	44
	Blank	ND	50	30	60
	Batch QC	ND	50	44	88

1501211

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9100.198

(ug)

Parameter	E & E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Batch QC	ND	50	49	98

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY FOR SPIKED WATER SAMPLES

9100.202

(ug)

Parameter	E 6 E Laboratory No. 91-	Original Value	Amount Added	Amount Determined	Percent Recovery
Carbofuran	Blank	ND	50	49	98

1501212

TEST CODE :WPNCRB1 JOB NUMBER :9100.198

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
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 :9100.202

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-B
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
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

1501213

TEST CODE :WPNP&P1 JOB NUMBER :9100.193

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-91-01828 MATRIX: WATER
SAHPLE ID CLIENT: P15-GW022

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

14468 (1366 9002,367)

All analyses follow CLP Protocols

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CHAIN-OF-CUSTODY RECORD

Page 1 of 3

Project No.: UH6040
Project Name: NASP Well Resampling
Project Manager: John Barksdale
Sampler(s) (Signature): [signature]
Field Team Leader: Mike Grecu

STATION NUMBER	DATE	TIME	SAMPLE TYPE: COMP.	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL BNA**	TCL Pesticides***	TCL Total Metals*	TCL Dissolved Metals*	TRPH**	CYANIDE***	TOC**	Hardness*	Alkalinity***	REMARKS
P-15 W-0[illegible]	10/1/90	1400		X		Low	6m60	9	X	X	X	X	X	X	X	X	X	* HNO_3 preservative
P-15 W-0[illegible]	10/1/90	1410		X		Low	6m60	9	X	X	X	X	X	X	X	X	X	
																		** H_2SO_4 preservative
																		*** Ice as preservative
																		**** NaOH preservative

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Mike Grecu	10/19/90 18:00				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)
Fed Ex	10/20/90 9:00	[signature]			

Ship Via: Fed Ex
BL/Airbill Number: 7501717790
Date: 10/19/90

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files
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Signed 11/12/90

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1501216

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CHAIN-OF-CUSTODY RECORD

Project No.: WH 6040
Project Name: NOSP well resampling
Project Manager: John Barksdale
Samplers: Signature: [illegible]
Field Team Leader: Mike Greau

	STATION NUMBER	DATE	TIME	SAMPLE TYPE: Soil	SAMPLE TYPE: Water	SAMPLE TYPE: Air	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL BNAs ***	TCL Pesticides ***	TCL Total Metals *	TCL Dissolved metals *	TPH **	Cyanide **	TOC **	Nitrates *	Alkalinity ***	REMARKS
P-15	W-059	10/20/90	1300		X		Low	GM59	9	X	X	X	X	X	X	X	X	X	*- HNO3 preservative
P-15	W-FB02	10/20/90	1410		X		"	Field Blank at GM60	~~8~~ 6	X	X	X	X	X	X				
P-15	W-FB03	10/20/90	1520		X		"	Preservative Blank	~~3~~ 2			X		X	X				**-H2SO4 preservative
																			*** ICE as preservative
																			**** NaOH preservative

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Ship Via:
Mike Greau	10/20/90 1900					Fed Ex
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	BL/Airbill Number: 760171 7790
Fed. Ex	10/20/90 9:00	Victoria Stanfa				Date: 10/21/90

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Signature 11/2/90

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CHAIN-OF-CUSTODY RECORD

3 of 3

Project No.: 4H6040
Project Name: NASP Well Resampling
Project Manager: John Barksdale
Samplers (Signature): Mike Green
Field Team Leader: SD Green

	STATION NUMBER	DATE	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INF. SMAT. / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL VOCs+Xylenes+Styrenes	TCL BNAs	TCL Pesticides	TCL total metals	TCL dissolved metals	TRPH	CYANIDE	TOC	Hardness	Alkalinity	REMARKS
P-15-	W-059	10/4/90	1300		X		Low	GM059	2	X										* HNO3 Preservative
P-15-	W-060	10/4/90	1400		X		"	GM60	2	X										
P-15-	W-060D	10/4/90	1400		X		"	GM60	2	X										** H2SO4 Preservative
P-15-	W-FB02	10/4/90	1410		X		"	GM60 Field Blank	2	X										
P-15-	W-PB02	10/4/90	1520		X		"	Preservative Blank	2	X										*** Ice as Preservative
P-15-	W-RB02	10/4/90	1510		X		"	Rinsate Blank	8	X	X	X	X	X	X	X				
P-15-	W-TB-23	10/4/90	1520		X		"	TRIP Blank	2	X										**** NaOH preservative
																				***** HCL preservative

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Mike Green	10/4/90 1800				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)
Fed. Ex	10/5/90 920	Victoria Slowfer			

Ship Via: Fed Ex
BL/Airbill Number: 750 171 7790
Date: 10/4/90

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GM-60

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89098

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600			P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	4.9	B	N	E
7440-39-3	Barium	34.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	15200			P
7440-47-3	Chromium	23.4			P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.8	B		P
7439-89-6	Iron	8800			P
7439-92-1	Lead	7.5		S*	E
7439-95-4	Magnesium	5350			P
7439-96-5	Manganese	47.0			P
7439-97-6	Mercury	3.4			CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	6490			P
7782-49-2	Selenium	1.0	U	W	E
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	10900		E	P
7440-28-0	Thallium	2.0	U	W	E
7440-62-2	Vanadium	18.3	B		P
7440-66-6	Zinc	46.1			P
	Cyanide	10.0	U		C

1501217

Color Before: Brown Clarity Before: Cloudy Texture: _____

Color After: Yellow Clarity After: Cloudy Artifacts: _____

Comments:

FORM I - IN

7/88

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM-60 DISSOLVED

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89103

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	105	B		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	N	F
7440-39-3	Barium	17.7	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	18000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	76.0	B		P
7439-92-1	Lead	1.0	U	*	F
7439-95-4	Magnesium	6040			P
7439-96-5	Manganese	2.5	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	7590			P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	14100		E	P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	11.1	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

FORM I - IN

7/88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89098

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D8365

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	B
67-64-1	ketone	60	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-gutanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

150 1216

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GM60

Lab Name: E 6 E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No. : SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89098

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 08365

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	Freon-113	4.34	8.0	BJ
2. 67630	2-Propanol	4.65	14	J
3. 110543	Hexane	6.87	16	BJ
4.	UNKNOWN	26.86	5.0	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60

Lab Name: E 6 E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 1000 (g/mL) ML Lab File ID: €3102

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dac. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1 of 10

1C

SEHIUOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60

ab Name: E & E INC. Contract :

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No. :

matrix: (soil/water) WATER Lab Sample ID: 89098

Samp1e wt/vo1: 1000 (g/mL) ML Lab file IO: E3102

Leve1: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COHPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophcno1	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthelate	2	IJ
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IOENTIFIED COMPOUNDS

EPA SAMPLE NO.

GM60

Lab Name: E & E INC. Contract:

Lab Code: EANOE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89098

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3102

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dcc. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 7

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

	CAS NUMBER	COMPOUNO NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.13	11	J
2.		UNKNOWN	7.02	10	J
3.		UNKNOWN	8.16	9.0	J
4.		UNKNOWN HYDROCARBON	21.07	6.0	J
5.		TRIBROMOPHENOL ISOMER	25.22	23	BJ
6.		UNKNOWN	32.18	12	J
7.		UNKNOWN	34.12	23	J

150120

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60

Lab Name: ECOLOGY & ENVIRONMENT, INC Contract: _____

Lab Code: EANDE Case No.: 9002.544 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 99098

Sample wt/vol: 1000 (g/mL) mL Lab File ID: _____

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. — dec. — Date Extracted: 10/23/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/21/90

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC		U
319-86-8	delta-BHC		U
58-89-9	gamma-BHC (Lindane)		U
76-44-8	Heptachlor		U
309-00-2	Aldrin		U
1024-57-3	Heptachlor epoxide		U
959-98-8	Endosulfan I		U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE		U
72-20-8	Endrin		U
33213-65-9	Endosulfan II		U
72-54-8	4,4'-DDD		U
1031-07-8	Endosulfan sulfate		U
50-29-3	4,4'-DDT		U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221		U
11141-16-5	Aroclor-1232		U
53469-21-9	Aroclor-1242		U
12672-29-6	Aroclor-1248		U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services.Center

CLIENT : UH-6000 NASP PEASE I *CROUPS* A-B
SAMPLE ID LAB :EE-90-89098 MATRIX: WATER
SAMPLE ID CLIENT: P-15-W-060/G/GM-60

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Total Alkalinity	26		1.0	MG/L CACO3
Total Hardness	91		1.0	MG/L CACO3
Petroleum Hydrocarbons	ND		1.1	MG/L
TOC	22		1.0	MG/L

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

1501221

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM-60D

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89099

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17500			P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	5.4	B	WN	E
7440-39-3	Barium	34.2	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	22.2			P
7440-48-4	Cobalt	7.0	U		P
17440-50-8	Copper	10.0	U		P
7439-89-6	Iron	9800			P
7439-92-1	Lead	8.5		S*	E
7439-95-4	Magnesium	5550			P
7439-96-5	Manganese	49.9			P
7439-97-6	Mercury	2.7			CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	6530			P
7782-49-2	Selenium	1.0	U	W	E
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	11500		E	P
7440-28-0	Thallium	2.0	U	W	E
7440-62-2	Vanadium	15.2	B		P
7440-66-6	Zinc	39.3			P
	Cyanide	10.0	U		C

Color Before: Brown Clarity Before: Cloudy Texture: _____

Color After: Yellow Clarity After: Cloudy Artifacts: _____

Comments:

FORM I - IN

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM-60D DISSOLVED

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89106

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	111	B		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	N	F
7440-39-3	Barium	17.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	17300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	91.0	B		P
7439-92-1	Lead	2.4	B	*	F
7439-95-4	Magnesium	5860			P
7439-96-5	Manganese	2.4	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	7380			P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	13400		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	7.7	B		P
	Cyanide				NR

1501222

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60D

Lab Name: E 6 E INC. Contract:

Lab Code: EANDE Case No.: 9002-544 SAS No.: SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4238

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/25/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	69	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS *ANALYSIS* DATA SHEET
TENTATIVELY IDENTIFIED COHPOUNOS

EPA SAMPLE N

GM60D

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: *69099*

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4238

Level: (low/med) LOW Gate Recciued: 10/20/90

% Moisture: not dec. Date Analyzed: 10/25/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67630	12-Propanol	*3.43*	71	J
2. 110543	Hexane	5.01	19	BJ

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1/87 R

1B
SEMIUOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60D

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SOG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3103

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM60D

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No. :

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3103

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dsc. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS OATA SHEET
TENTATIUELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GM60D

b Name: E & E INC. Contract :

Lab Code: EANOE Case No.: 9002_544 SAS No.: SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 1000 (g/mL) ML Lab File ID: €3103

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not doc. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	IUNKNOWN HYDROCARBON	19.54	5.0	IJ
2.	IUNKNOWN HYDROCARBON	21.07	10	IJ
3.	IUNKNOWN HYOROCARRON	22.54	11	IJ
4.	ITRIBROMOPHENOL ISOMER	25.22	12	IBJ
6.	IUNKNOWN HYDROCARBON	29.34	8.0	IJ
	IUNKNOWN HYDROCARBON	30.42	10	IJ
7.	IUNKNOWN	32.18	19	IJ
8.	IUNKNOWN	34.13	42	IJ
9.	IUNKNOWN	41.95	11	IJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

GMLOD

Lab Name: ECOLOGY & ENVIRONMENT, INC. Contract: _____

Lab Code: ENDE Case No.: 9002.514 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 89099

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. — dec. — Date Extracted: 10/23/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/21/90

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC		U
319-86-8	delta-BHC		U
58-89-9	gamma-BHC (Lindane)		U
76-44-8	Heptachlor		U
309-00-2	Aldrin		U
1024-57-3	Heptachlor epoxide		U
959-98-8	Endosulfan I		U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE		U
72-20-8	Endrin		U
33213-65-9	Endosulfan II		U
72-54-8	4,4'-DDD		U
1031-07-8	Endosulfan sulfate		U
50-29-3	4,4'-DDT		U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221		U
11141-16-5	Aroclor-1232		U
53469-21-9	Aroclor-1242		U
12672-29-6	Aroclor-1248		U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1501225

JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAMPLE ID LAB :EE-90-89099 MATRIX: VATER
SAMPLE ID CLIENT: P-15-W-060D/G/GM-60D

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Total Alkalinity	20		1.0	MG/L CACO3
Total Hardness	82		1.0	MG/L CACO3
Petroleum Hydrocarbons	ND		1.0	MG/L
TOC	24		1.0	MG/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB03

Lab Name: E & E INS. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89108

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4261

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column: (pack/cap) CAP Dilution factor: 1.0

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

CAS NO.	COMPOUND	3	
74-87-3	Chloromethane	10	tu
74-83-9	Bromomethane	13	IU
75-01-4	Vinyl Chloride	10	IU
75-00-3	Chloroethane	13	IU
75-09-2	Methylene Chloride	6	IB
67-64-1	Acetone	45	IB
75-15-0	Carbon Disulfide	5	IU
75-35-4	1,1-Dichloroethene	5	IU
75-34-3	1,1-Dichloroethane	5	IU
540-59-0	1,2-Dichloroethene (total)	5	IU
67-66-3	Chloroform	E	IU
107-06-2	1,2-Dichloroethane	5	IU
78-93-3	2-Butanone	10	IU
71-55-6	1,1,1-Trichloroethane	E	IU
56-23-5	Carbon Tetrachloride	5	IU
108-05-4	Vinyl Acetate	10	IU
75-27-4	Bromodichloromethane	5	IU
78-87-5	1,2-Dichloropropane	5	IU
10061-01-5	cis-1,3-Dichloropropene	5	IU
79-01-6	Trichloroethene	5	IU
124-48-1	Dibromochloromethane	5	IU
79-00-5	1,1,2-Trichloroethane	5	IU
71-43-2	Benzene	5	IU
10061-02-6	trans-1,3-Dichloropropene	5	IU
75-25-2	Bromoform	5	IU
108-10-1	4-Methyl-2-Pentanone	10	IU
591-78-6	2-Hexanone	10	IU
127-18-4	Tetrachloroethene	5	IU
79-34-5	1,1,2,2-Tetrachloroethane	5	IU
108-88-3	Toluene	5	IU
108-90-7	Chlorobenzene	5	IU
100-41-4	Ethylbenzene	5	IU
100-42-5	Styrene	5	IU
1330-20-7	Xylene (total)	5	IU

150122(

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTHTIUELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB03

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89108

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4261

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110543	Hexane	4.99	24	BJ

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

R.B.

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.527 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89100

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	102.0	U		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	N	E
7440-39-3	Barium	10.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	326.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
17440-SO-8	Copper	10.0	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	5.5		+ *	E
7439-95-4	Magnesium	491.0	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	428.0	U		P
7782-49-2	Selenium	1.0	U		E
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	282.0	U	E	P
7440-28-0	Thallium	2.0	U		E
7440-62-2	Vanadium	7.0	U		P
7440-66-6	Zinc	4.0	U		P
	Cyanide	10.0	U		C

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

R.B.

DISSOLVED

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89105

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
17429-90-5	Aluminum	62.0	U		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	WN	F
17440-39-3	Barium	10.0	U		P
17440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	324.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	49.0	B		P
7439-92-1	Lead	1.0	U	*	F
7439-95-4	Magnesium	491.0	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	428.0	U		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	345.0	B		P
7440-28-0	Thallium	2.0	U		F
17440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	4.0	U		P
	Cyanide				NR

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

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7/88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SGG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89100

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 08367

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	68	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

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FORM I VOA

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89100

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D8367

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110543	Hexane	6.78	14	BJ
2.	UNKNOWN	26.85	9.0	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89100

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3104

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methan*	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89100

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3104

Level: (low/med) LOW Date Received: 10/20/90

% moisture: not dec. dec. Date Extracted: 10024090

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB02

Lab Name: E 6 E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89100

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3104

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 4

CONCENTRATION WITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.03	8.0	J
2.	TRIBROMOPHENOL ISOMER	25.22	9.0	BJ
3.	UNKNOWN	39.19	37	J
4.	UNKNOWN	39.42	58	J

1501230

FORM I SU-TIC

1/67 Rev.

1D

PESTICIDE ORGANICS ANALYSIS *DATA* SHEET

EPA SAMPLE NO.

RB02

Lab Name: ECOLOGY & ENVIRONMENT, INC Contract: _____

Lab Code: EANDE Case No.: 9002.544 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) Lab Sample ID: 89100

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. — dec. — Date Extracted: 10/ —

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/21/90

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	↓	U
319-86-8	delta-BHC	↓	U
58-89-9	gamma-BHC (Lindane)	↓	U
76-44-8	Heptachlor	↓	U
309-00-2	Aldrin	↓	U
1024-57-3	Heptachlor epoxide	↓	U
959-98-8	Endosulfan I	↓	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	↓	U
72-20-8	Endrin	↓	U
33213-65-9	Endosulfan II	↓	U
72-54-8	4,4'-DDD	↓	U
1031-07-8	Endosulfan sulfate	↓	U
50-29-3	4,4'-DDT	↓	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	↓	U
11141-16-5	Aroclor-1232	↓	U
53469-21-9	Aroclor-1242	↓	U
12672-29-6	Aroclor-1248	↓	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-90-89100 MATRIX: WATER
SAMPLE ID CLIENT: P-15-W-RB02/G/R.B.

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Petroleum Hydrocarbons	ND		1.0	MG/L

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

1501231

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

F.B.

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89/01

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62.0	U		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	W N	E
7440-39-3	Barium	10.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	326.0	U		P
(7140-IS-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	5.6		S *	E
7439-95-4	Magnesium	491.0	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	428.0	U		P
7782-49-2	Selenium	1.0	U	W	E
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	282.0	U	E	P
7440-28-0	Thallium	2.0	U		E
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	4.0	U		P
	Cyanide	10.0	U		C

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

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7/88

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

F.B. DISSOLVED

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89104

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62.0	U		P
7440-36-0	Antimony	49.0	U		P
7440-38-2	Arsenic	1.0	U	N	F
7440-39-3	Barium	10.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	326.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	350.	U		P
7439-92-1	Lead	6.0		S *	F
7439-95-4	Magnesium	491.0	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	428.0	U		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	417	U	E	P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	4.0	U		P
	Cyanide				NR

Color kfore: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

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FORM I - IN

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02

ab Name: E & E INC. Contract:

ab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89101

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4240

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not oec. Date Analyzed: 10/25/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	57	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IGENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB02

Lab Name: E & E INC. Contract:

Lab Coda: EANDE Case No.: 9002_544 SAS No.: SDG ho.:

Iatrix: (soil/water) WATER Lao Sample ID: 89101

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4240

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/25/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs Cound: 2

CONCENTRATION UNITS: (ug/L or ug/kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67630	2-Propanol	3.46	39	J
2. 110543	Hexane	5.09	21	BJ

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002-544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3105

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 89101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: €3105

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not drc. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

CPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3105

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dac. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

CPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.01	9.0	J
2.	TRIBROMOPHENOL ISOMER	25.21	25	BJ
3.	UNKNOWN	37.95	8.0	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02

Lab Name: ECOLOGY & ENVIRONMENT, INC. Contract: _____

Lab Code: EANDE Case No.: 9002.544 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 99101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. — dec. — Date Extracted: 10/23/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/21/90

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC		U
319-86-8	delta-BHC		U
58-89-9	gamma-BHC (Lindane)		U
76-44-8	Heptachlor		U
309-00-2	Aldrin		U
1024-57-3	Heptachlor epoxide		U
959-98-8	Endosulfan I		U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE		U
72-20-8	Endrin		U
33213-65-9	Endosulfan II		U
72-54-8	4,4'-DDD		U
1031-07-8	Endosulfan sulfate		U
50-29-3	4,4'-DDT		U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221		U
11141-16-5	Aroclor-1232		U
53469-21-9	Aroclor-1242		U
12672-29-6	Aroclor-1248		U
11097-69-1	Aroclor-1254		U
11096-82-5	Aroclor-1260	1.0	U

1501235

JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-90-89101 MATRIX: VATER
SAMPLE ID CLIENT: P-15-W-FB02/G/F.B.

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Petroleum Hydrocarbons	ND		1.0	MG/L

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

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

P.B.

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89102

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry wight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62.0	U		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	1.0	U	N	F
7440-39-3	Barium	10.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	326.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	46.0	B		P
7439-92-1	Lead	1.0	U	W*	F
7439-95-4	Magnesium	491.0	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	428.0	U		P
7782-49-2	Selenium	1.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	282.0	U	G	P
7440-28-0	Thallium	2.0	U		F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	5.5	B		P
	Cyanide	10.0	U		C

1501236

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89102

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D8369

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	60	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethens	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethanc	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

FORM I UOA 1/87 Rev.

1E

UOLCITILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N

PB02

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89102

Sample wt/vo1: 5.0 (g/mL) ML Lab File ID: 00369

Lew1: (low/med) LOW Date Receiwd: 10/20/90

% Moisture: not dec. Date Analyzed: 10/26/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 3

CONCENTRWTION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	Ifreon-113	4.30	9.0183	
2. 110543	Hexane	6.82	14	BJ
3.	UNKNOWN	22.27	6.013	

1501237

JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PHASE I GROUPS A-E
SAMPLE ID LAB :EE-90-89102 MATRIX: VATER
SAMPLE ID CLIENT: P-15-W-PB02/G/P.B.

PARAMETER	RESULTS	Q	DET. LIMIT	UNITS
Petroleum Hydrocarbons	ND		1.0	MG/L

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

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9002.567

(mg/L $CaCo_3$)

Parameter	E & E Laboratory No. 90-	Original Value	Amount Added	Amount Determined	Percent Recovery
Total Alkalinity					
	Ref. Std.	ND	100	100	100
Total Hardness					
	Ref. Std.	ND	1000	1006	101

1501238

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

9002.567

(mg/L $CaCo_3$)

Parameter	E & E Laboratory No. 90-	Original Analysis	Replicate Analysis	Relative Percent Difference (RPD)
Total Alkalinity				
	89099	20	22	5.0

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED WATER SAMPLES

9002.567

(mg/L)

Parameter	E & E Laboratory No. 90-	Original Value	Amount Added	Amount Determined	Percent Recovery
T. Recoverable Petroleum Hydrocarbons					
	DI Spike.	ND	8.7	8.1	93
	Ref. Std.	ND	13	14	110
	DI Spike	ND	8.7	8.7	100
	Ref. Std.	ND	13	17	130
Total Organic Carbon					
	Ref. Std.	ND	2000	2000	100
	Ref. Std.	ND	2000	2000	100

1501239

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

9002.567

(mg/L)

Parametar	E & E Laboratory No. 90-	Original Analysis	Replicate Analysis	Relative Pcrccnt Difference (RPD)
Total Organic Carbon				
	Batch QC	24	20	16
	89097	35	37	5.8

APPENDIX F

EXISTING PERMANENT HONITORING WELL GROUNDWATER SAMPLING ANALYTICAL RESULTS

APPENDIX H

EXISTING PERMANENT MONITORING WELL GROUNDWATER SAMPLING ANALYTICAL RESULTS

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

Job No.: [illegible] 567 Date: 11/[illegible]/91

Report Title:

Client: NASP [illegible] Resampling

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

	Signature	Date
Report Written by:	[illegible]	11/[illegible]/91
1st Draft Reviewed by:		
2nd Draft Reviewed by: (If needed)		
Find Review by Author:		
ASC Manager:	[illegible]	[illegible]
QA Officer:	~~Send forward sign - return to me~~	
Corp. Project Manager: (Internal Job) J. Rainsdale		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
1 Copies of Report Sent to: J. Rainsdale	[illegible]	[illegible]
____ Invoices Sent to Accounting		

Comments/Notes:

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

407064

ecology and environment, inc.
ANALYTICAL SERVICES CENTER, P O BOX D, BUFFALO, NEW YOAK 14225, TEL 716-631-0360
International Specialists in the Environment

January 15, 1991

E & E Job # 9002.567

Project # UH-6020 (NASP Well Sampling)

Case Narrative

Enclosed are the inorganic results for samples received at the E & E Analytical Services Center on October 20, 1990. Analysis was performed according to the USEPA Contract Laboratory Program, Staterent of Work for Inorganic Analysis, 7/88 and "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods," SW-846, Third Edition, USEPA, 1986.

Recovery of the initial calibration standard for cyanide was 84.4% on 10/31/90, which is below the acceptable limit. Analysis vas accepted on basis of the batch spike recovery which vas in control limits and the continuing standard recovery vhich was 99%.

Frequency of continuing calibration verification (CCV) standard analysis criterion vas not met for some graphite furnace/AA and cyanide sequences. We do not believe this to have an effect on data validity since recovery for all CCV standards was acceptable.

The graphite furnace/AA instruments used are not capable of recording the time of analysis. The time was manually recorded in some instances and has been reported on Form 14.

Sodium values reported have been flagged "E" based on serial dilution analysis results. A chemical/physical interference is suspected.

Initial calibration standard recovery for thallium *vas* 110.6% which *exceeds* the CLP acceptance limit. Since this only slightly *exceeds* the acceptable limit and since recoveries for a11 continuing check standards are acceptable, reanalysis was not performed.

1501243

recycled paper

All samples on which this report is based will be retained by E&E, Inc. 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 of each sample, with such charges accruing until destruction of the sample is authorized by the client.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Gary Hahn
Manager - Analytical Services Center

GH/dms

1501244

14468 (136 9002 367)

All analyses follow CLP protocols

ecology and environment, inc.
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CHAIN-OF-CUSTODY RECORD

Project No.: UHEC40
Project Name: NASP Well Resampling
Project Manager: John Barksdale
Sampler (Signature): [signature]
Field Team Leader: Mike Grecu

STATION NUMBER	DATE	TIME	SOIL	WATER	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL SVOA	TCL Pesticides	TCL Total Metals	TCL Dissolved Metals	TRPH	CNAnions	TOC	Hardness	Alkalinity	REMARKS
P-15 W-0BC	10/19/90	1400		X		Low	6m60	9	X	X	X	X	X	X	X	X	X	* HNO_3 preservative
P-15 W-0WD	10/19/90	1400		X		Low	6m60	9	X	X	X	X	X	X	X	X	X	
																		** H_2SO_4 preservative
																		*** Ice as preservative
																		**** NaOH preservative

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Ship Via
Mike Grecu	10/19/90 18:00					Fed Ex
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	BL/Airbill Number: 7501717790
Relinquished By: (Signature) Fed. Ex	Date/Time: 9:00 10/20/90	Received For Laboratory By (Signature) [signature]	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By (Signature)	Date 10/19/90

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*See CONCENTRATION RANGE on back of form.

Signed 11/12/90

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196 SUGG ROAD, P.O. BOX D, BUFFALO, N.Y., 14225, TEL. 716-632-4491
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CHAIN-OF-CUSTODY RECORD

Project No.: UH 604C
Project Name: NOSP well resampling
Project Manager: John Barksdale
Samplers: (Signature) [signature]
Field Team Leader: Mike Greau

	STATION NUMBER	DATE	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL BNAs ***	TCL Pesticides ***	TCL Total Metals ***	TCL Dissolved Metals *	TRPH **	CYANIDE ***	TOC **	Chlorides *	Alkalinity ***	REMARKS
P-15	W-059	10/19/90	1300		X		Low	GM 59	9	X	X	X	X	X	X	X	X	X	*- HNO3 preservative
P-15	W-FB02	10/19/90	1410		X		"	Field Blank at GM 60	6	X	X	X	X	X	X				
P-15	W-FB02	10/19/90	1520		X		"	Preservative Blank	3			X		X	X				**-H2SO4 preservative
																			*** ICE as preservative
																			**** NaOH preservative

BM 10/20/90

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Mike Greau	10/19/90 1900				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)
Fed. Ex	10/20/90 9:00	Victoria Stoyle			

Ship Via: Fed Ex
BL/Airbill Number: 760171 7790
Date: 10/19/90

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*See CONCENTRATION RANGE on back of form.

Signature 11/2/90

2340

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CHAIN-OF-CUSTODY RECORD

Project No.: UH6040
Project Name: NASP Well Resampling
Project Manager: John Barksdale
Sampling Personnel: Mike Green
Field Team Leader: Mike Green

	STATION NUMBER	DATE	TIME	SAMPLE TYPE: COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	TCL VOCs + Tentatively Identified Compounds	TCL SVOCs	TCL Pesticides	TCL Total Metals	TCL Dissolved Metals	TRPH	CYANIDE	TOC	Alkalinity	Alkalinity	REMARKS
P-15	W-059	10/9/90	1300		X		Low	GM059	2	X										* HNO3 preservative
P-15	W-060	10/9/90	1400		X		"	GM60	2	X										
P-15	W-060D	10/9/90	1400		X		"	GM60	2	X										** H2SO4 Preservative
P-15	W-FB02	10/9/90	1410		X		"	GM60 Field Blank	2	X										
P-15	W-PB02	10/9/90	1520		X		"	Preservative Blank	2	X										*** Ice as preservative
P-15	W-RB02	10/9/90	1510		X		"	Rinsate Blank	8	X	X	X	X	X	X	X				
P-15	W-TB-2	10/9/90	1520		X		"	TRIP Blank	2	X										**** NaOH preservative
																				***** HCL preservative

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Ship Via:
Mike Green	10/9/90 1800					Fed Ex
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	
Fed. Ex	Date/Time: 9/10/90	Received For Laboratory By: (Signature) Victoria Sloufer	Relinquished By: (Signature)	Date/Time	Received For Laboratory By: (Signature)	BL/Airbill Number: 7501717790

Date: 10/10/90

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*See CONCENTRATION RANGE on back of form.

Signed 11/12/90

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ecology and environment, inc.

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GM-59

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 9002.567 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89097

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41500			P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	226		N	F
7440-39-3	Barium	57.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	17600			P
7440-47-3	Chromium	55.7			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	23.2	B		P
7439-89-6	Iron	30300			P
7439-92-1	Lead	18.5		*	F
7439-95-4	Magnesium	5930			P
7439-96-5	Manganese	190			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	6470			P
7782-49-2	Selenium	1.0	U	W	F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	13900		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	57.7			P
7440-66-6	Zinc	93.6			P
	Cyanide	10.0	U		C

Color Before: Brown Clarity Before: Cloudy Texture: _____

Color After: Yellow Clarity After: Cloudy Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM-59 DISSOLVED

Lab Name: Ecology & Environment Inc. Contract: _____

Lab Code: _____ Case No.: 902367 SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: 89107

Level (low/med): LOW Date Received: 10/20/90

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	95.0	B		P
7440-36-0	Antimony	48.0	U		P
7440-38-2	Arsenic	10.0		S N	F
7440-39-3	Barium	10.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	17400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	67.0	B		P
7439-92-1	Lead	3.6		*	F
7439-95-4	Magnesium	5160			P
7439-96-5	Manganese	3.2	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	U		P
7440-09-7	Potassium	6880			P
7782-49-2	Selenium	1.4	B	W	F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	16600		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	141	B		P
	Cyanide				UR

150124

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

FORM I - IN

7/88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM59

Lab Name: E & E INC. Contract:

Lab Code: EANOE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89097

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4234

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/25/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	46	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS CINALYSIS DATA S —
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GM59

Lab Name: E & E INC. Contract :

Lab Code: EANOE Case No.: 9002_544 SAS No.: SDG No. :

Matrix: (soil/water) WATER Lab Sample ID: 69097

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4234

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. Date Analyzed: 10/25/90

Column (pack/cap) CAP Oilution Factor: 1.0

Number TICs Cound: 2

CONCENTRGTION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67630	2-Propanol	3.56	57	J
2. 110543	Hexane	5.18	22	BJ

1501247

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM59

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89097

Sample wt/vol: 1000 (g/mL) ML Lab File ID: €3101

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroro-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphsnol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GM59

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9002_544 SAS No.: SDC No.:

Matrix: (soil/water) WATER Lab Sample ID: 89097

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E3101

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIUOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GM59

Lab Name: E 6 E INC. Contract:

Lab Code: EANDE Case No.: 9002-544 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 89097

Sample wt/vol: 1000 (g/mL) ML. Lab File ID: E3101

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. dec. Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) N pH: Dilution. Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.02	9.0	J
2.	UNKNOWN	8.16	8.0	J
3.	TRIBROMOPHENOL ISOMER	25.23	14	BJ
4.	UNKNOWN	34.13	11	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

6M59

Lab Name: ECOLOGY & ENVIRONMENT, INC. Contract: _____

Lab Code: EANDE Case No.: 9002.544 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 99097

Sample wt/vol: 1000 (g/mL) mL Lab File ID: _____

Level: (low/med) LOW Date Received: 10/20/90

% Moisture: not dec. — dec. — Date Extracted: 10/23/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/2/90

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	↓	U
319-86-8	delta-BHC	↓	U
58-89-9	gamma-BHC (Lindane)	↓	U
76-44-8	Heptachlor	↓	U
309-00-2	Aldrin	↓	U
1024-57-3	Heptachlor epoxide	↓	U
959-98-8	Endosulfan I	↓	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	↓	U
72-20-8	Endrin	↓	U
33213-65-9	Endosulfan II	↓	U
72-54-8	4,4'-DDD	↓	U
1031-07-8	Endosulfan sulfate	↓	U
50-29-3	4,4'-DDT	↓	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	↓	U
11141-16-5	Aroclor-1232	↓	U
53469-21-9	Aroclor-1242	↓	U
12672-29-6	Aroclor-1248	↓	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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JOB NUMBER :9002.567

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : UH-6000 NASP PEASE I GROUPS A-E
SAHPLE ID LAB :EE-90-89097 MATRIX: WATER
SAMPLE ID CLIENT: **P-15-W-059/G/GM-59**

PARAMETER	RESULTS	Q	DET. LIHIT	UNITS
Total Alkalinity	27		1.0	MG/L CACO3
Total Hardness	86		1.0	MG/L CACO3
Petroleum Hydrocarbons	ND		1.0	MG/L
TOC	35		1.0	MG/L

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

ecology and environment, inc.

QUALITY ASSURANCE PROTOCOL REVIEW

Job No.: 9002.567 Date: 1/15/91

Report Title:

Client: NASP Well Resampling

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

	Signature	Date
Report Written by:	BJM	1/15/96
1st Draft Reviewed by:		
2nd Draft Reviewed by: (If needed)		
Final Review by Author:		
ASC Manager:	[illegible]	1-16-91
QA Officer:	~~Please Review, Sign & Return to ASC~~	
Corp. Project Manager: (Internal Job) J. Burkdale		
All QA Protocol Review Forms Signed and in File (to be signed by report writer)		
1 Copies of Report Sent to: J. Burkdale	[illegible]	1/16/91
___ Invoices Sent to Accounting		

Comments/Notes:

Copy Distribution: White - Report to Project File; Canary - Project Manager; Pink - Project File. 40706A

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ecology and environment, inc.
ANALYTICAL SERVICES CENTER, P.O. BOX D, BUFFALO, NEW YORK 14225, TEL. 716-631-0560
International Specialists in the Environment

January 15, 1991

E & E Job # 9002.567

Project # UB-6020 (NASP Well Sampling)

Case Narrative

Enclosed a n the inorganic results for samples received at the E & E Analytical Services Center on October 20, 1990. Analysis vas performed according to the USEPA Contract Laboratory Program, Statement of Work for Inorganic Analysis, 7/88 and Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods," SW-846, Third Edition, USEPA, 1986.

Recovery of the initial calibration standard for cyanide was 84.4% on 10/31/90, vhich is below the acceptable limit. Analysis was accepted on basis of the batch spike recovery vhich was in control limits and the continuing standard recovery which vas 99%.

Frequency of continuing calibration verification (CCV) standard analysis criterion vas not met for some graphite furnace/AA and cyanide sequences. We do not believe this to have an effect on data validity since recovery for a11 CCV standards vas acceptable.

The graphite furnace/AA instruments used are not capable of recording the time of analysis. The time was manually recorded in some instances and has been reported on Form 14.

Sodium values reported have been flagged "E" based on serial dilution analysis rcsults. A chemical/physical interference is suspected.

Initial calibration standard recovery for thallium vas 110.6% vhich exceeds the CLP acceptance limit. Since this only slightly exceeds the acceptable limit and since recoveries for all continuing check standards are acceptable, reanalysis vas not performed.

recycled paper

All samples on which this report is based will be retained by E&E, Inc. 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 of each sample, vith such charges accruing until destruction of the sample is authorized by the client.

I certify that this datr package is in compliance vith the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the datr contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the folloving signature.

Gary Hahn

Gary Hahn
Manager - Analytical Services Center

GH/dms

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