

5090/OC  
CODE 18211

26 SEP 1991

N00204.AR.000276

NAS PENSACOLA

5090.3a

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Ms. Allison Drew  
Environmental Protection Agency (EPA)  
Region IV  
Waste Management Division  
RCRA and Federal Facilities Branch  
345 Courtland Street  
Atlanta, Georgia 30365

**Subj: ANALYTICAL RESULTS FOR EPA SPLIT, SPIKE AND BLANK SAMPLES  
TAKEN FROM SITE 27: CONTAMINATION ASSESSMENT/REMEDIAL  
ACTIVITIES AT NAVAL AIR STATION (NAS) PENSACOLA, FLORIDA**

Dear Ms. Drew:

Our contractor, Ecology and Environment, Inc. (E&E) upon request has submitted to us the Phase I Analytical Results for the two soil samples (P27S008A and P27S009D) and the one groundwater sample (P27GW010) which were collected from Site 27 of the Installation Restoration Program at NAS Pensacola, Florida on the June 24 and 25, 1991 respectively. We have enclosed a copy of these results for your review and request that any comments be submitted to us by October 28, 1991. The sample volumes of P27S009D and P27GW010 were split with Mr. Bill Cosgrove of your office, and a sample volume of P27S008A was also split with Mr. Cosgrove for radionuclides analysis.

Attachment A presents the analytical screening results for samples P27S009D and P27GW010, and Attachment B presents the radionuclide results for sample P27S008A, as received from the analytical laboratory, Controls for Environmental Pollution (CEP), in Santa Fe, New Mexico.

In addition to the above-referenced samples, Mr. Cosgrove also submitted spike and blank samples for screening analyses by E&E's Analytical Services Center (ASC). The analytical results for these samples are presented in Attachment C.

Subj : ANALYTICAL RESULTS FOR EPA SPLIT, SPIKE AND BLANK SAMPLES  
TAKEN FROM SITE 27: CONTAMINATION ASSESSMENT/REMEDIAL  
ACTIVITIES AT NAVAL AIR STATION (NAS) PENSACOLA, FLORIDA

If you should have questions or comments regarding these analytical results or other matter pertaining to this project, please contact Ms. Suzanne O. Sanborn at (803) 743-0574.

Sincerely,

JAMES B. MALONE, JR., P.E.  
MANAGER, INSTALLATION  
RESTORATION, EAST SECTION

Encl: (1) Analytical Results  
Attachments A through C

copy to:  
NAS Pensacola (Mr. Ron Joyner, Code 18250)  
FDER (Mr. Eric Nuiz)

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**ATTACHMENT A**

**ANALYTICAL SCREENING RESULTS**

MEMORANDUM

TO: John Barksdale  
FROM: Gary Hahn *Gary Hahn*  
DATE: July 10, 1991  
SUBJECT: UH-8000 Pensacola Report  
RE: 9101.495  
CC: Lab File

Attached is the laboratory report of the analysis conducted on thirty-six samples received at the Analytical Services Center on June 25, 1991. Analysis was performed according to the screening procedures set forth in "Generic Quality Assurance Project Plan, Contamination Assessments and Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida," July 1990.

Sample #14398 was not preserved to the correct pH (<2). Additional acid (H<sub>2</sub>SO<sub>4</sub>) was added to bring the pH down to the correct level.

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

GH/kr  
Enclosure





Ecology and Environment, Inc.  
 Analytical Services Center

CLIENT : UE-8000 NASP - PHASE I BATCH 2  
 SAMPLE ID LAB :EE-91-14378 . MATRIX: SOLID  
 SAMPLE ID CLIENT: P27-S009D

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| TRPH             | 7.0            | -        | 5.0               | MG/KG        |

-----  
 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.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

SAMPLE ID LAB : BE-91-14378

MATRIX: SOLID

SAMPLE ID CLIENT: P27-S009D

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| Arsenic          | ND             |          | 6.0               | 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        |

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

TEST CODE :SPNP&P1

JOB NUMBER :9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PEST./PCB

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14378

MATRIX : SOLID

SAHPLE ID CLIENT: P27-S009D

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------|----------------|----------|-------------------|
| Heptachlor       | ND             |          | 1000              |
| Lindane          | ND             |          | 1000              |
| Aldrin           | ND             |          | 1000              |
| 4,4 - DDT        | ND             |          | 1000              |
| Dieldrin         | ND             |          | 1000              |
| Endrin           | ND             |          | 1000              |
| Chlordane        | ND             |          | 1000              |
| <b>4,4-DDE</b>   | ND             |          | 1000              |
| Total PCBs       | ND             |          | 5000              |

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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 :9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PAH - LC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14378

MATRIX : SOLID

SAMPLE ID CLIENT: P27-S009D

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

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

TEST CODE :SPNPEL1

JOB NUMBER :9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PHENOL - LC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14378

MATRIX : SOLID

SAMPLE ID CLIENT: P27-S009D

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | ND             | -        | 2000              |

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 : 9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAHE : PNC PURGABLES- GC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14378

MATRIX : SOLID

SAMPLE ID CLIENT: P27-S009D

| <u>PARAMETER</u>            | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-----------------------------|----------------|----------|-------------------|
| 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              |

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

Ecology and Environment, Inc.  
 Analytical Services Center

CLIENT : UE-8000 NASP - PEASE I BATCH 2  
 SAMPLE ID LAB : EE-91-14398 . MATRIX: WATER  
 SAMPLE ID CLIENT: P27-GW010

| PARAMETER | RESULTS | Q | QNT. LIMIT | UNITS |
|-----------|---------|---|------------|-------|
| TRPH      | 23      | - | 1.0        | MG/L  |

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 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.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
 SAMPLE ID LAB : EE-91-14398 MATRIX: WATER  
 SAMPLE ID CLIENT: P27-GW010

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>ONT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| Arsenic          | 110            |          | 60                | UG/L         |
| Chromium         | ND             |          | 10                | UG/L         |
| Zinc             | 38             |          | 20                | UG/L         |
| Lead             | 80             |          | 40                | UG/L         |
| Cadmium          | 8.4            |          | 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  
 NA = NOT APPLICABLE

TEST CODE :WPNP&P1

JOB NUMBER :9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PEST./PCB UNITS : UG/L  
SAMPLE ID LAB : EE-91-14398 MATRIX: WATER  
SAMPLE ID CLIENT: P27-GW010

| PARAMETER  | RESULTS | Q | QNT. LIMIT |
|------------|---------|---|------------|
| Ecptachlor | ND      | . | 5.0        |
| Lindane    | ND      | . | 5.0        |
| Aldrin     | ND      |   | 5.0        |
| 4,4 - DDT  | ND      |   | 5.0        |
| Dieldrin   | ND      |   | 5.0        |
| Endrin     | ND      |   | 5.0        |
| Chlordane  | ND      |   | 5.0        |
| 4,4-DDE    | ND      |   | 5.0        |
| Total PCBs | ND      |   | 10         |

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

TEST CODE : WPnr/AH1

JOB NUMBER 89101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PAH - LC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14398 MATRIX: WATER  
SAMPLE ID CLIENT: P27-GW010

| <u>PARAMETER</u>        | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-------------------------|----------------|----------|-------------------|
| 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 : WPNPHE1

JOB NUMBER : 9101.495

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PHENOL - LC UNITS : UG/L  
SAMPLE ID LAB : HE-91-14398' MATRIX: VATBR  
SAMPLE ID CLIENT: P27-GW010

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | 620            | -        | 100               |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14398 MATRIX: VATER  
SAMPLE ID CLIENT: P27-GW010

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
| Benzene                      | ND             |          | 10                |
| Toluene                      | ND             |          | 10                |
| Ethylbenzene                 | ND             |          | 10                |
| Total Xylenes                | 13             |          | 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                |

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

**ATTACHMENT B**

**RADIONUCLIDE RESULTS**

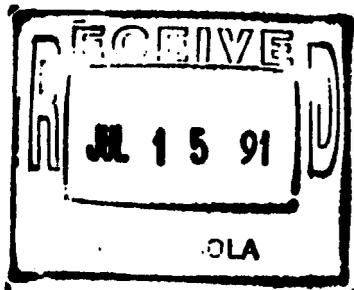


Ecology and Environment, Inc.  
316 South Baylen St. #670  
Pensacola, FL 32503

Date Received: 06/28/91  
Date Reported: 07/10/91  
Work Order: 91-06-614  
Category:

Attn: Amy Twitty

Work ID: Soil (NR)  
P O # :



Approved By:

CHAIN-OF-CUSTODY RECORD

| Project No.: <u>W18020</u>                    |      | Project Name: <u>NAS Tensasola</u>    |              | Project Manager: <u>John Barksdale</u>  |     | RECORD 226<br>GROSS DATA |                  | REMARKS                                 |   |                    |  |
|---|------|---------------------------------------|--------------|---|-----|--------------------------|------------------|---|---|--------------------|--|
| Samplers (Signature): <u>Sgt. [Signature]</u> |      | Field Team Leader: <u>[Signature]</u> |              |   |     |                          |                  |   |   |                    |  |
| STATION NUMBER                                | DATE | TIME                                  | SAMPLE TYPE: |   |     | SAMPLE INFORMATION       | STATION LOCATION | NUMBER OF CONTAINERS                    |   |                    |  |
|   |      |                                       | COMP         | GRAB                                    | AIR |                          |                  |   |   |                    |  |
| EXPECTED COMPOUNDS (Concentration)*           |      |                                       |              |   |     |                          |                  |   |   |                    |  |
| PO2E 001A                                     | 6/25 | 0704                                  | X            |   |     | LOW                      | SITE 27, B001    | 1                                       | X |                    |  |
| PO2E 001B                                     |      | 0711                                  | X            |   |     |                          | B001             | 1                                       | X |                    |  |
| PO2E 001C                                     |      | 0718                                  | X            |   |     |                          | B001             | 1                                       | X |                    |  |
| PO2E 001D                                     |      | 0726                                  | X            |   |     |                          | B001             | 1                                       | X |                    |  |
| PO2E 008A                                     |      | 0757                                  | X            |   |     |                          | B008             | 1                                       | X |                    |  |
| PO2E 008B                                     |      | 0805                                  | X            |   |     |                          | B008             | 1                                       | X |                    |  |
| PO2E 008C                                     |      | 0811                                  | X            |   |     |                          | B008             | 1                                       | X |                    |  |
| PO2E 008D                                     |      | 0819                                  | X            |   |     |                          | B008             | 1                                       | X |                    |  |
| PO2E 017A                                     |      | 1040                                  | X            |   |     |                          | SITE 25, B017    | 1                                       | X |                    |  |
| PO2E 017AD                                    |      | 1040                                  | X            |   |     |                          | B017             | 1                                       | X |                    |  |
| PO2E 016A                                     |      | 1020                                  | X            |   |     |                          | B016             | 1                                       | X |                    |  |
| PO2E 016AD                                    |      | 1020                                  | X            |   |     |                          | B016             | 1                                       | X |                    |  |
| PO2E W016                                     | 015  | 05705                                 |              | X                                       |     | (water)                  | SITE 27, W016    | 15                                      | X | X                  |  |
| PA7 SD001                                     | 6/26 | 1125                                  | X            |   |     | Low (sediment)           | SITE 27 SD001    | 1                                       | X |                    |  |
| Relinquished By: (Signature)                  |      | Date/Time                             |              | Received By: (Signature)                |     | Date/Time                |                  | Received By: (Signature)                |   | Ship Via:          |  |
| [Signature]                                   |      | 6/26/91                               |              | [Signature]                             |     | 7:30                     |                  | [Signature]                             |   | Fed-X              |  |
| Relinquished By: (Signature)                  |      | Date/Time                             |              | Received By: (Signature)                |     | Date/Time                |                  | Received By: (Signature)                |   | BL/Airbill Number: |  |
| [Signature]                                   |      | 6/27/91 7:30                          |              | [Signature]                             |     | 7:30                     |                  | [Signature]                             |   | 9689244906         |  |
| Relinquished By: (Signature)                  |      | Date/Time                             |              | Received For Laboratory By: (Signature) |     | Date/Time                |                  | Received For Laboratory By: (Signature) |   | Date:              |  |
| [Signature]                                   |      | 6/27/91 7:30                          |              | [Signature]                             |     | 7:30                     |                  | [Signature]                             |   | 6/26/91            |  |

Distribution: Original Accompanies Shipment; Copy to Coordinator Field File  
 \*See CONCENTRATION RANGE on back of form.



Page 4  
Received: 06/28/91

CEP, Inc. REPORT  
Results by Sample

Work Order # 91-06-614

SAMPLE ID PD27S008A SITE 27 8008 FRACTION 05A TEST CODE HA2265 NAME Radium-226  
Date & Time Collected 06/25/91 07:57:00 Category SOIL

| Type of Analysis | Detection Limit<br>pCi/gram | RESULT      |
|------------------|-----------------------------|-------------|
| Radium-226       | 0.5                         | 0.21+/-0.01 |

All results reported in  
UNITS \_\_\_\_\_ pCi/gram

SAMPLE ID PD27S008B SITE 27 8008 FRACTION 06A TEST CODE RA2265 NAME Radium-226  
Date & Time Collected 06/25/91 08:05:00 Category SOIL

| Type of Analysis | Detection Limit<br>pCi/gram | RESULT          |
|------------------|-----------------------------|-----------------|
| Radium-226       | 0.5                         | <u>&lt;0.20</u> |

All results reported in:  
UNITS \_\_\_\_\_ pCi/gram

**ATTACHMENT C**

**LABORATORY SPIKE AND BLANK RESULTS**

**MEMORANDUM**

**TO:** John Barksdale  
**FROM:** Gary Hahn *G. Hahn*  
**DATE:** July 12, 1991  
**SUBJECT:** UH-8000 Pensacola Report  
**RE:** 9101.566  
**CC:** Lab File

Attached is the laboratory report of the analysis conducted on nine samples received at the Analytical Services Center on June 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.

Samples EE-91-14889 (Water Blank E) and EE-91-14890 (Water Blank F) for Total Recoverable Petroleum Hydrocarbon analysis were received insufficiently preserved. Samples for TRPH should be preserved with sulfuric acid to a pH less than 2.

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

Ecology and Environment, Inc.  
SAMPLE COMMENT REPORT

-----  
TEST NAME : PNC PEST./PCB  
LAB SAHPLE ID : EE-91-14890 TEST CODE:WPNP&P  
CLIENT SAMPLE ID: WATER BLANK F  
COMMENT: OTHER NON-TARGET PESTICIDES WERE DETECTED IN THIS  
SAMPLE.  
-----  
-----

TEST NAME : PNC PEST./PCB  
LAB SAMPLE ID : EE-91-14893 TEST CODE:WPNP&P  
CLIENT SAMPLE ID: SOIL BLANK C  
COMMENT: OTHER NON-TARGET PESTICIDES WERE DETECTED IN THIS  
SAMPLE.  
-----  
-----

TEST NAME : PNC PURGABLES- GC  
LAB SAMPLE ID : EE-91-14885 TEST CODE:WPNPRG  
CLIENT SAMPLE ID: WATER BLANK A  
COMMENT: METHYLENE CHLORIDE AND TRANS-1,2-DICHLOROETHENE  
COELUTE. THE TOTAL IS REPORTED FOR BOTH COMPOUNDS.  
OTHER COMPOUNDS, (BROMODICHLOROMETHANE,  
CIS-1,3-DICHLOROPROPENE, TRANS-1,3-DICHLOROPROPENE  
AND CHLORODIBROMOMETHANE) WERE FOUND IN COMPARABLE  
LEVELS BUT ARE NOT TARGET COMPOUNDS FOR THIS PROJECT.  
-----  
-----

TEST NAME : PNC PURGABLES -GC  
LAB SAMPLE ID : EE-91-14888 TEST CODE:WPNPRG  
CLIENT SAMPLE ID: WATER BLANK D  
COMMENT: METHYLENE CHLORIDE AND TRANS-1,2-DICHLOROETHENE  
COELUTE. THE TOTAL IS REPORTED FOR BOTH COMPOUNDS.  
OTHER COMPOUNDS, (BROMODICHLOROMETH,  
CIS-1,3 DICHLOROPROPENE, TRANS-1,3-DICHLOROPROPENE  
AND CHLORODIBROMETHANE) WERE FOUND IN COMPARABLE  
LEVELS BUT ARE NOT TARGET COMPOUNDS FOR THIS PROJECT.  
-----  
-----

Ecology and Environment, Inc.  
SAMPLE TRACKING REPORT

| LAB<br>SAMPLE<br>ID<br>----- | CLIENT<br>SAUPLE<br>ID<br>----- | TEST<br>CODE<br>----- | DATE<br>SAMPLED<br>----- | DATE<br>EXTRACTED<br>----- | DATE<br>ANALYZED<br>----- |
|------------------------------|---------------------------------|-----------------------|--------------------------|----------------------------|---------------------------|
| 14885.01                     | WATER BLANK A                   | UPNPRG1               | 06/24/91                 |                            | 07/08/91                  |
| 14886.01                     | WATER BLANK B                   | WPNPRG1               | 06/24/91                 |                            | 07/06/91                  |
| 14887.01                     | WATER BLANK C                   | UPNPRG1               | 06/24/91                 |                            | 07/06/91                  |
| 14808.01                     | WATER BLANK D                   | UPNPRG1               | 06/24/91                 |                            | 07/08/91                  |
| 14889.01                     | WATER BLANK E                   | WPNMET1               | 06/24/91                 |                            | 07/02/91                  |
|                              |                                 | WPNP&P1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | WPNPAH1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | WPNPHL1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | WPNTPH1               | 06/24/91                 |                            | 07/01/91                  |
| 14890.01                     | WATER BLANK F                   | WPNMET1               | 06/24/91                 |                            | 07/02/91                  |
|                              |                                 | WPNP&P1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | WPNPAH1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | WPNPHL1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | WPNTPH1               | 06/24/91                 |                            | 07/01/91                  |
| 14891.01                     | SOIL BLANK A                    | SPNPRG1               | 06/24/91                 |                            | 07/06/91                  |
| 14892.01                     | SOIL BLANK B.                   | SPNMET1               | 06/24/91                 |                            | 07/02/91                  |
|                              |                                 | SPNP&P1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | SPNPAH1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | SPNPHL1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | SPNTPH1               | 06/24/91                 |                            | 07/01/91                  |
| 14893.01                     | SOIL BLANK C                    | SPNMET1               | 06/24/91                 |                            | 07/02/91                  |
|                              |                                 | SPNP&P1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | SPNPAH1               | 06/24/91                 |                            | 07/10/91                  |
|                              |                                 | SPNPHL1               | 06/24/91                 |                            | 07/09/91                  |
|                              |                                 | SPNTPH1               | 06/24/91                 |                            | 07/01/91                  |

TEST CODE : SP. PH1

JOB NUMBER 101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC TRPH UNITS : MG/KG  
PARAMETER : TRPH

| SAMPLE ID    | RESULTS | Q | QNT. LIMIT |
|--------------|---------|---|------------|
| EE-91-14892  |         |   |            |
| SOIL BLANK B | ND      |   | 5.0        |
| BE-91-14893  |         |   |            |
| SOIL BLANK C | ND      |   | 5.0        |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC TRPH UNITS : MG/L  
PARAMETER : TRPH

| SAMPLE ID                    | RESULTS | Q | QNT. LIMIT |
|------------------------------|---------|---|------------|
| EE-91-14889<br>WATER BLANK E | ND      | - | 1.0        |
| EE-91-14890<br>WATER BLANK F | ND      | - | 1.0        |
| 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

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

9101.566

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(mg/kg)

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| Parameter                                   | E & E<br>Laboratory<br>No. 91- | Original<br>Analysis | Replicate<br>Analysis | Relative<br>Percent<br>Difference<br>(RPD) |
|---|--------------------------------|----------------------|-----------------------|--|
| T. Recoverable<br>Petroleum<br>Hydrocarbons | Batch QC                       | ND                   | ND                    | NC   |

---

ND: Not detected.  
NC: Not calculable.

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY  
FOR SPIKED SOLID SAMPLES

9101.566

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(mg/kg)

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| Parameter                                   | E 6 E<br>Laboratory<br>No. 91- | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|---|--------------------------------|-------------------|-----------------|----------------------|---------------------|
| T. Recoverable<br>Petroleum<br>Hydrocarbons | Batch QC                       | ND                | 130             | 120                  | 92                  |

---

ND: Not detected.

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
 SAMPLE ID LAB : EE-91-14889 MATRIX: VATBR  
 SAMPLE ID CLIENT: WATER BLANK B

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| 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         |

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

Ecology and Environment, Inc.  
 Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCE 2  
 SAMPLE ID LAB :EE-91-14890 MATRIX: WATER  
 SAMPLE ID CLIENT: WATER BLANK F

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| 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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT                   UH-8000 NASP - PHASE I BATCH 2  
SAMPLE ID LAB       :METHOD BLANK                   MATRIX: UATBR

| PARAMETER | RESULTS | Q | QNT. 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  |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

SAMPLE ID LAB : BE-91-14892

MATRIX: SOLID

SAMPLE ID CLIENT: SOIL BLANK B

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| Arsenic          | 8.9            |          | 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 = ESTIHATED VALUE            B = ALSO PRESENT IN BLANK  
               L = PRESENT BELOW STATED DETECTION LIMIT

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2

RESULTS IN WET WEIGHT

SAMPLE ID LAB : EB-91-14893

MATRIX: SOLID

SAMPLE ID CLIENT: SOIL BLANK C

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| 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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2

RESULTS IN WET WEIGHT

SAMPLE ID LAB : METHOD BLANK

MATRIX: SOLID

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIHIT</u> | <u>UNITS</u> |
|------------------|----------------|----------|-------------------|--------------|
| Arsenic          | IUD            | -        | 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        |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UE-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PEST./PCB UNITS : UG/L  
SAMPLE ID LAB : EE-91-14889 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK E

| PARAMETER  | RESULTS | Q | QNT. LIMIT |
|------------|---------|---|------------|
| Heptachlor | ND      | - | 5.0        |
| Lindane    | ND      | - | 5.0        |
| Aldrin     | ND      | - | 5.0        |
| 4,4 - DDT  | ND      | - | 5.0        |
| Dieldrin   | ND      | - | 5.0        |
| Endrin     | ND      | - | 5.0        |
| Chlordane  | ND      | - | 5.0        |
| 4,4-DDE    | 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 :9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC PEST./PCB . UNITS : UG/L  
SAMPLE ID LAB : EE-91-14890 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK F

| PARAMETER  | RESULTS | Q  | QNT. LIMIT |
|------------|---------|----|------------|
| Heptachlor | PRESENT | LC | 5.0        |
| Lindane    | ND      |    | 5.0        |
| Aldrin     | ND      |    | 5.0        |
| 4,4 - DDT  | PRESENT | L  | 5.0        |
| Dieldrin   | ND      |    | 5.0        |
| Endrin     | PRESENT | L  | 5.0        |
| Chlordane  | ND      |    | 5.0        |
| 4,4-DDE    | 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 # 14890)

9101.566

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| Compound   | Original<br>Result | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|------------|--------------------|-----------------|----------------------|---------------------|
|            | (ug/L)             |                 |                      |                     |
| Lindane    | --                 | 2.0             | --                   | **                  |
| Heptachlor | ND                 | 2.0             | 2.12                 | 111                 |
| Aldrin     | ND                 | 2.0             | 1.91                 | 96                  |
| Dieldrin   | ND                 | 5.0             | 4.49                 | 90                  |
| Endrin     | ND                 | 5.0             | 5.23                 | 105                 |
| 4,4' -DDT  | ND                 | 5.0             | 4.87                 | 97                  |
| AR1254     | ND                 | 25.0            | 18.5                 | 74                  |

---

ND = NOT DETECTED

\*\* = Coelution interference.

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PEST./PCB UNITS : UG/L  
SAMPLE ID LAB : METHOD BLANK MATRIX: VATER

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------|----------------|----------|-------------------|
| Heptachlor       | ND             | -        | 5.0               |
| Lindane          | ND             | -        | 5.0               |
| Aldrin           | ND             | -        | 5.0               |
| 4,4 - DDT        | ND             | -        | 5.0               |
| Dieldrin         | ND             | -        | 5.0               |
| Endrin           | ND             | -        | 5.0               |
| Chlordane        | ND             | -        | 5.0               |
| 4,4-DDE          | 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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PEST./PCB

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14892

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK B

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------|----------------|----------|-------------------|
| Heptachlor       | ND             | -        | 1000              |
| Lindane          | ND             | -        | 1000              |
| Aldrin'          | ND             | -        | 1000              |
| 4,4 - DDT        | ND             | -        | 1000              |
| Dieldrin         | ND             | -        | 1000              |
| Endrin           | ND             | -        | 1000              |
| Chlordane        | ND             | -        | 1000              |
| 4,4-DDE          | 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 :9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PEST./PCB

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14893

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK C

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------|----------------|----------|-------------------|
| Heptachlor       | PRESENT        | LC       | 1000              |
| Lindane          | ND             |          | 1000              |
| Aldrin           | ND             |          | 1000              |
| 4,4 - DDT        | PRESENT        | LC       | 1000              |
| Dieldrin         | ND             |          | 1000              |
| Endrin           | PRESENT        | LC       | 1000              |
| Chlordane        | ND             |          | 1000              |
| 4,4-DDE          | 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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PEST./PCB

UNITS : UG/KG

SAMPLE ID LAB : MEIHD BLANK

MATRIX : SOLID

| <u>PARAMETER</u> | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------|----------------|----------|-------------------|
| Heptachlor       | ND             |          | 1000              |
| Lindane          | ND             |          | 1000              |
| Aldrin           | ND             |          | 1000              |
| 4,4 - DDT        | ND             |          | 1000              |
| Dieldrin         | ND             |          | 1000              |
| Endrin           | ND             |          | 1000              |
| Chlordane        | ND             |          | 1000              |
| 4,4-DDE          | 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 :WPNPAH1

JOB NUMBER :9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PAH - LC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14889 MATRIX: UATER  
SAMPLE ID CLIENT: WATER BLANK. E

| <u>PARAMETER</u>        | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-------------------------|----------------|----------|-------------------|
| 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 : WP<sup>00</sup>AH1

JOB NUMBER 09101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PAH - LC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14890 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK F

| PARAMETER               | RESULTS | Q | QNT. 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

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY  
FOR SPIKED WATER SAMPLES

9101.566

---

( ug )

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| Parameter      | E & E<br>Laboratory<br>No. 91-<br>14890 HS | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|----------------|--|-------------------|-----------------|----------------------|---------------------|
| Benzo(a)pyrene |  | ND                | 5.0             | 4.7                  | 94                  |

---

ND = NOT DETECTED

TEST CODE : WT AH1

JOB NUMBER 9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UE-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PAH - LC UNITS : UG/L  
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

| <u>PARAMETER</u>        | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-------------------------|----------------|----------|-------------------|
| 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 :S7 AB1

JOB NUMBER 9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN VET WEIGHT

TEST NAME : PNC PAH - LC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14892

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK B

| <u>PARAMETER</u>        | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-------------------------|----------------|----------|-------------------|
| 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 : SP. AH1

JOB NUMBER 101.566

Ecology and Environment, Inc.  
Analytical Services Center

a.

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
RESULTS IN VET WEIGHT

TEST NAME : PNC PAH - LC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14893

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK C

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

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

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY  
FOR SPIKED SOIL SAMPLES

9101.566

---

( ug )

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| Parameter      | E & E<br>Laboratory<br>No. 91- | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|----------------|--------------------------------|-------------------|-----------------|----------------------|---------------------|
| Benzo(a)pyrene | 14804 MS                       | ND                | 50              | 37                   | 74                  |
|                | 14814 MS                       | ND                | 50              | 49                   | 98                  |

---

ND ■ NOT DETECTED

TEST CODE : SF 4H1

JOB NUMBER 9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2 .

RESULTS IN WET WEIGHT

TEST NAME : PNC PAH - LC

UNITS : UG/KG

SAMPLE ID LAB : METHOD BLANK

MATRIX : SOLID

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

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC PHENOL - LC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14889 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK. E

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | ND             | -        | 100               |

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

Bcology and Environment, Inc.  
Analytical Services Center

CLIENT : UE-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PHENOL - LC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14890 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK.F

| PARAMETER                | RESULTS | Q | QNT. LIMIT |
|--------------------------|---------|---|------------|
| Total as Trichlorophenol | 1000    | - | 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: PERC. RECOVERY  
FOR SPIKED WATER SAMPLES

9101.566

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( ug )

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| Parameter                  | E & E<br>Laboratory<br>No. 91-<br>Blank Spike | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|----------------------------|---|-------------------|-----------------|----------------------|---------------------|
| 2,4,6-Trichloro-<br>Phenol |   | ND                | 100             | 93                   | 93                  |

---

ND = NOT DETECTED

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PHENOL - LC UNITS : UG/L  
SAMPLE ID LAB : METHOD BLANK MATRIX: WATER

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | ND             | -        | 100               |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PHENOL - LC

UNITS : UG/KG

SAMPLE ID LAB : BE-91-14892

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK B

| PARAMETER                | RESULTS | Q | QNT. LIMIT |
|--------------------------|---------|---|------------|
| Total as Trichlorophenol | ND      | - | 2000       |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCE 2 .

RESULTS IN VET WEIGHT

TBST NAME : PNC PHENOL - LC

UNITS : UG/KG

SAMPLE ID LAB : EE-91-14893

MATRIX : SOLID

SAMPLE ID CLIENT: SOIL BLANK C

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | 20000          | -        | 2000              |

-----  
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

9101.566

( ug )

| Parameter                  | E & E<br>Laboratory<br>No. 91 - | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|----------------------------|---------------------------------|-------------------|-----------------|----------------------|---------------------|
| 2,4,6-Trichloro-<br>Phenol | Blank                           | ND                | 100             | 100                  | 100                 |

ND = NOT DETECTED

TEST CODE :SF IL1

JOB NUMBER 101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2

RESULTS IN WET WEIGHT

TEST NAME : PNC PHENOL - LC

UNITS : UG/KG

SAMPLE ID LAB : METHOD BLANK

MATRIX : SOLID

| <u>PARAMETER</u>         | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|--------------------------|----------------|----------|-------------------|
| Total as Trichlorophenol | ND             | -        | 2000              |

-----  
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 : 9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCE 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14885 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK A

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
| 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           | 94             | C        | 10                |
| Trans - 1,2 - Dichloroethena | 94             | C        | 10                |
| 1,1 - Dichloroethane         | ND             |          | 10                |
| 1,1,1 - Trichloroethane      | 35             |          | 10                |
| 1,2 - Dichloroethane         | 29             |          | 10                |
| Trichloroethene              | ND             |          | 10                |
| Tetrachloroethene            | 26             |          | 10                |
| Chlorobenzene                | ND             |          | 10                |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
 TBST NAME : PNC PURGABLES- GC UNITS : UG/L  
 SAMPLE ID LAB : EE-91-14886 MATRIX: WATER  
 SAMPLE ID CLIENT: WATER BLANK B

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
| 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                |
| Xethylene 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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14887 MATRIX: VATER  
SAMPLE ID CLIENT: VATER BLANK C

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
|                              |                | -        | -----             |
| 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

TEST CODE :WPNPRG1

JOB NUMBER :9101.566

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : EE-91-14888 MATRIX: WATER  
SAMPLE ID CLIENT: WATER BLANK D

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
| 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           | 88             | C        | 10                |
| Trans - 1,2 - Dichloroethene | 88             | C        | 10                |
| 1,1 - Dichloroethane         | ND             |          | 10                |
| 1,1,1 - Trichloroethane      | 32             |          | 10                |
| 1,2 - Dichloroethane         | 32             |          | 10                |
| Trichloroethene              | ND             |          | 10                |
| Tetrachloroethene            | 23             |          | 10                |
| Chlorobenzene                | ND             |          | 10                |

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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 OF SURROGATE SPIKES

9101.566

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| Compound           | E & E<br>Laboratory<br>No. 91- | Percent<br>Recovery |
|--------------------|--------------------------------|---------------------|
| Tcifluorotoluene   | 14885                          | 83                  |
|                    | 14886                          | 110                 |
|                    | 14887                          | 100                 |
|                    | 14888                          | 82                  |
|                    | Method Blank #1                | 100                 |
|                    | Method Blank #2                | 100                 |
| 1,4-Dichlorobutane | 14885                          | 140                 |
|                    | 14886                          | 89                  |
|                    | 14887                          | 87                  |
|                    | 14888                          | 130                 |
|                    | Method Blank #1                | 100                 |
|                    | Method Blank #2                | 100                 |

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QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY  
FOR SPIKED WATER SAMPLES

9101.566

(ug/L)

| Parameter                | E & E<br>Laboratory<br>No. 91-<br>Blank Spike | Original<br>Value | Amount<br>Added | Amount<br>Determined | Percent<br>Recovery |
|--------------------------|---|-------------------|-----------------|----------------------|---------------------|
| Benzene                  |   | ND                | 20              | 20                   | 100                 |
| Toluene                  |   | ND                | 20              | 18                   | 90                  |
| Ethyl Benzene            |   | ND                | 20              | 19                   | 95                  |
| 1,2-Dichlorobenzene      |   | ND                | 20              | 16                   | 80                  |
| 1,3-Dichlorobenzene      |   | ND                | 20              | 17                   | 85                  |
| 1,4-Dichlorobenzene      |   | ND                | 20              | 17                   | 85                  |
| 1,1-Dichloroethene       |   | ND                | 20              | 16                   | 80                  |
| Methylene Chloride       |   |                   |                 |                      |                     |
| Trans-1,2-Dichloroethene | \   | N D               | 40              | 36                   | 90                  |
| 1,1-Dichloroethane       |   | ND                | 20              | 14                   | 70                  |
| 1,1,1-Trichloroethane    |   | ND                | 20              | 18                   | 90                  |
| 1,2-Dichloroethane       |   | ND                | 20              | 18                   | 90                  |
| Trichloroethene          |   | ND                | 20              | 18                   | 90                  |
| Tetrachloroethene        |   | ND                | 20              | 16                   | 80                  |

ND = NOT DETECTED

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : HETHOD BLANK 1 MATRIX: WATER

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIHIT</u> |
|------------------------------|----------------|----------|-------------------|
| 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                |

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

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
TEST NAME : PNC PURGABLES- GC UNITS : UG/L  
SAMPLE ID LAB : METHOD BLANK 2 MATRIX: WATER

| <u>PARAMETER</u>             | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|------------------------------|----------------|----------|-------------------|
| 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                |

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

Biology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PHASE I BATCH 2  
RESULTS IN VET WEIGHT  
TEST NAME : PNC PURGABLES- GC  
SAHPLE ID LAB : BE-91-14891,  
SAMPLE ID CLIENT: SOIL BLANK A

UNITS : UG/KG  
MATRIX : SOLID

| PARAMETER                   | RESULTS | Q | QNT. 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       |

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**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 OF SURROGATE SPIKES

9101.566

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| Compound           | B 6 E<br>Laboratory<br>No. 91- | Percent<br>Recovery |
|--------------------|--------------------------------|---------------------|
| Trifluorotolucnc   | 14891                          | 150                 |
|                    | Method Blank #1                | 130                 |
| 1,4-Dichlorobutane | 14891                          | 77                  |
|                    | Method Blank #1                | .88                 |

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Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : UH-8000 NASP - PEASE I BATCH 2  
RESULTS IN VET WEIGHT

TEST NAME : PNC PURGABLES- GC UNITS : UG/KG  
SAMPLE ID LAB : METHOD BLANK MATRIX : SOLID

| <u>PARAMETER</u>            | <u>RESULTS</u> | <u>Q</u> | <u>QNT. LIMIT</u> |
|-----------------------------|----------------|----------|-------------------|
| 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              |
| 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

**3.4 Work Plans (including FSAP  
and QAPP), Progress Reports**