

N61165.AR.004984  
CNC CHARLESTON  
5090.3a

UNDERGROUND STORAGE TANK (UST) ASSESSMENT REPORT FOR QUARTERS Y  
AND Z CNC CHARLESTON SC  
05/14/2001  
ENVIRONMENTAL ENTERPRISE GROUP

South Carolina Department of Health and Environmental Control (S.C.D.H.E.C.)  
**Underground Storage Tank (UST) Assessment Report**

Submit Completed Form to:

|                |
|----------------|
| Date Received  |
| State Use Only |

UST Regulatory Section  
SCDHEC  
2600 Bull Street  
Columbia, South Carolina 29201  
Telephone (803) 734-5331

**I OWNERSHIP OF UST(S)**

|  |           |                      |  |
|--|-----------|----------------------|--|
| Agency/Owner: Southern Division, Naval Facilities Engineering Command, Caretaker Site Office |           |                      |  |
| Mailing Address: P.O. Box 190010   |           |                      |  |
| City: N. Charleston  | State: SC | Zip Code: 29419-9010 |  |
| Area Code: 843 Telephone Number: 743-9985 Contact Person: Matthew Humphrey                   |           |                      |  |

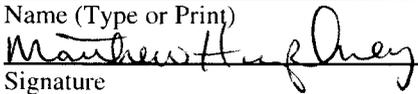
**II SITE IDENTIFICATION AND LOCATION**

|                 |   |         |            |
|-----------------|---|---------|------------|
| Site I.D. #:    | Unregulated   |         |            |
| Facility Name:  | Charleston Naval Base Complex, Housing Quarters Y-Z |         |            |
| Street Address: | 2516/2510 North Hobson Avenue                       |         |            |
| City:           | North Charleston, 29405                             | County: | Charleston |

**III CLOSURE INFORMATION**

|                             |                                |
|-----------------------------|--------------------------------|
| Closure Started: 8 May 2001 | Closure Completed: 14 May 2001 |
| Number of USTs Closed: 1    |                                |
| N/A                         | EEG, Inc.                      |
| Consultant                  | UST Removal Contractor         |

**IV. CERTIFICATION (Read and Sign after completing entire submittal)**

|   |   |
|---|---|
| I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete. |   |
| Matthew Humphrey  |   |
| Name (Type or Print)  |   |
| Signature   |  |

**V. UST INFORMATION**

- A. Product.....
- B. Capacity.....
- C. Age.....
- D. Construction Material.....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H.. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

|            | Tank 1 | Tank 2 | Tank 3 | Tank 4 | Tank 5 |
|------------|--------|--------|--------|--------|--------|
| Fuel oil   |        |        |        |        |        |
| 550 gal    |        |        |        |        |        |
| Unk.       |        |        |        |        |        |
| Steel      |        |        |        |        |        |
| Unk.       |        |        |        |        |        |
| 6'         |        |        |        |        |        |
| N          |        |        |        |        |        |
| N          |        |        |        |        |        |
| F          |        |        |        |        |        |
| 10 May '01 |        |        |        |        |        |
| N          |        |        |        |        |        |

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

N/A

N. Method of disposal for any liquid petroleum, sludges, or waste waters removed from the USTs (attach disposal manifests)

The fuel oil and rinsate from the tank was recycled.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST  
 The portion of UST Quarters Z that could be inspected was in fair to good condition. No corrosion, pitting, or holes were found.

**VI. PIPING INFORMATION**

- A. Construction Material.....
- B. Distance from UST to Dispenser\*.....
- C. Number of Dispensers\*.....
- D. Type of System P/S.....
- E. Was Piping Removed from the Ground? Y/N....
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....

\* Boiler

|                 | Tank 1 | Tank 2 | Tank 3 | Tank 4 | Tank 5 |
|-----------------|--------|--------|--------|--------|--------|
| Copper & steel  |        |        |        |        |        |
| 10'             |        |        |        |        |        |
| 1               |        |        |        |        |        |
| S               |        |        |        |        |        |
| N<br>See Note 1 |        |        |        |        |        |
| N               |        |        |        |        |        |
| N               |        |        |        |        |        |
| Unk.            |        |        |        |        |        |

- I. If any corrosion, pitting, or holes were observed, describe the location and extent for each line.

No corrosion, pitting, or holes were observed on the portion of the piping exposed.

**VII. BRIEF SITE DESCRIPTION AND HISTORY**

Duplex Quarters Y-Z was built in 1943. It served as housing for Naval families until base closure.

Two other unregulated USTs (Y-1 and Y-2) were previously removed from this site on 23-24 April 1998 and are shown on attached site maps..

Note 1:

The piping had been previously disconnected from the boiler. The piping was disconnected at the tank and flushed. The small section exposed by the excavation was cut and removed. The remaining piping was left under the garage slab. The steel fill line was removed, as was the slab-to-tank portion of the vent line.

## VIII. SITE CONDITIONS

Yes No Unk

|   | Yes | No  | Unk |
|---|-----|-----|-----|
| <p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>                    | X   |     |     |
| <p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>                 |     | X   |     |
| <p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p> <p>_____</p>   |     | X   |     |
| <p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p> <p>_____</p> |     | X*  |     |
| <p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>  |     | X** |     |

\* All excavated soil was returned to the tank pit.

\*\* No groundwater was encountered.



## **X. SAMPLING METHODOLOGY**

**Provide a detailed description of the methods used to collect and store (preserve) the samples.**

After determining the location of UST Quarters Z, soil samples were taken from the east end in the excavation and by coring through the concrete and soil on the west end . Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC UST Assessment Guidelines.

Sample jars were prepared by the testing laboratory. Soil samples were extracted at the tank ends. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Samples for volatiles were taken using the Encore sampler and T-handle.

The samples were marked, logged, and immediately placed in sample coolers packed with ice to maintain an approximate temperature of 4? C. Tools were thoroughly cleaned and decontaminated with organic-free soap and water after each sample.

The samples remained in the custody of EEG, Inc. until they were transferred to General Engineering Laboratories for analysis as documented in the attached Chain-of-Custody Record.

## XI. RECEPTORS

Yes No

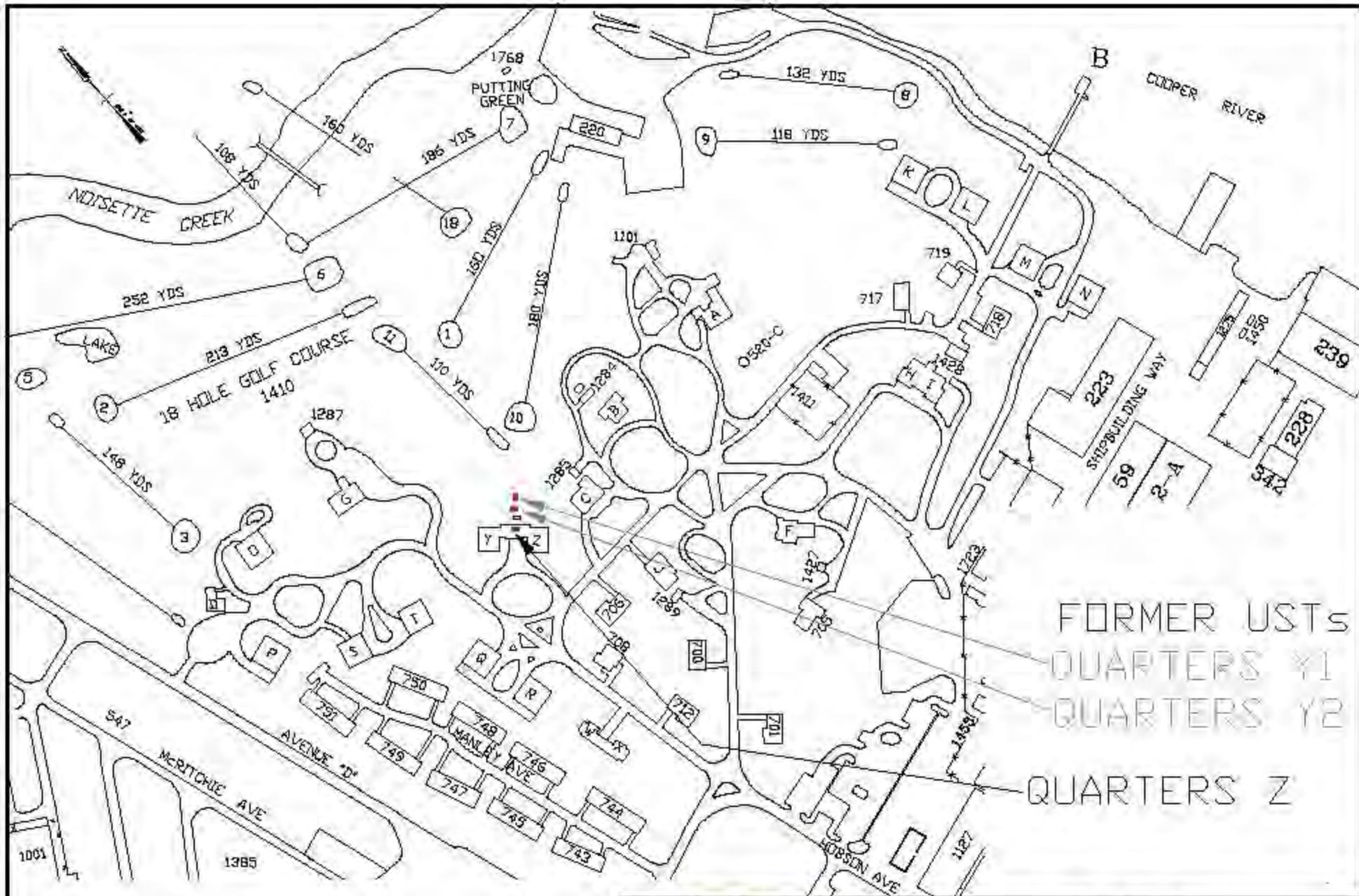
|  |   |   |
|--|---|---|
| <p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p> <p style="text-align: center;"><b>[-900' to Noisette Creek]</b></p>  | X |   |
| <p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>   |   | X |
| <p>C. Are there any underground structures (e.g., basements) located within 100 feet of the UST system?</p> <p>If yes, indicate the type of structure, distance, and direction on site map.</p>  |   | X |
| <p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p> <p style="text-align: center;"><b>[electrical, sewer, storm drain &amp; water]</b></p> | X |   |
| <p>E. Has contaminated soil been identified at a depth of less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>   |   | X |

## **Attachment I**

### **SITE MAP**

You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

Site Maps 1 and 2  
Photographs A, B, C and D



FORMER USTs  
 QUARTERS Y1  
 QUARTERS Y2  
 QUARTERS Z



GRAPHIC SCALE

**EFG** INC  
 Environmental & Construction Services  
 Environmental Enterprise Group, Inc.  
 1849 Avenue D  
 N. Charleston, SC 29405

Site Map 1  
 UST Quarters Z  
 Charleston Naval Base  
 Charleston, SC

|                    |                  |
|--------------------|------------------|
| DWG DATE: 4 JUN 01 | DWG NAME: QT-Z_1 |
|--------------------|------------------|

QUARTERS Z

QUARTERS Y

TANK CUTOUT  
25'X16'

5 1/2' CONCRETE CUT  
48'X26'

ELECTRICAL SUBSTATION,  
STRUCTURE 3046

FORMER  
UST QUARTERS Z

FORMER  
UST QUARTERS Y-1

FORMER  
UST QUARTERS Y-2

SOIL SAMPLE  
1-EAST-Z

SOIL SAMPLE  
2-WEST-Z

SEWER LINE

BOILER

3/8" COPPER SUPPLY & RETURN

BURIED  
WATER LINE

BURIED  
WATER LINE

MANHOLE

UST QUARTERS Z TO NOISETTE CREEK ~ 900'

DETAIL A  
(NOT TO SCALE)



GRAPHIC SCALE



Environmental & Construction Services  
 Environmental Enterprise Group, Inc.  
 1949 Avenue D  
 N. Charleston, SC 29405

Site Map 2  
 UST Quarters Z  
 Charleston Naval Base  
 Charleston, SC

DWG DATE: 4 JUN 01

DWG NAME: QT-Z\_2



Photo A – UST Z (under garage slab) prior to commencing work.



Photo B – Tank top uncovered. Hole is being cut in top to allow cleaning and filling with sand.



Photo C - Hole cutting completed



Photo D - Coring in the Quarters Y garage was required to obtain sample from the west end of the Quarters Z tank.

**ANALYTICAL RESULTS**

You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a South Carolina certified laboratory.

Certified Analytical Results  
Chain-of-Custody



# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

## Certificate of Analysis

Company : EEG, Inc.  
 Address : 1649 Avenue D  
 Charleston, SC 29405

Contact: Copes Wanamaker  
 Project: Routine Analytical - Wanamaker

Report Date: May 17, 2001

Page 1 of 2

Client Sample ID: 1-East-Z  
 Sample ID: 42147001  
 Matrix: Soil  
 Collect Date: 11-MAY-01  
 Receive Date: 11-MAY-01  
 Collector: Client  
 Moisture: 6.08%

Project: EEGI00201  
 Client ID: EEGI001

| Parameter                             | Qualifier | Result | DL    | RL   | Units | DF | Analyst | Date     | Time | Batch | Method |
|---------------------------------------|-----------|--------|-------|------|-------|----|---------|----------|------|-------|--------|
| <b>Semi-Volatiles-GC/MS</b>           |           |        |       |      |       |    |         |          |      |       |        |
| <i>3550/8270 PAH STD LIST IN SOIL</i> |           |        |       |      |       |    |         |          |      |       |        |
| Acenaphthene                          | U         | ND     | 4.26  | 35.5 | ug/kg | 1  | KGB1    | 05/15/01 | 1237 | 77819 | 1      |
| Acenaphthylene                        | U         | ND     | 3.90  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Anthracene                            | U         | ND     | 4.97  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Benzo(a)anthracene                    | U         | ND     | 6.39  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Benzo(a)pyrene                        | U         | ND     | 2.13  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Benzo(b)fluoranthene                  | U         | ND     | 2.48  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Benzo(ghi)perylene                    | U         | ND     | 5.32  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Benzo(k)fluoranthene                  | U         | ND     | 5.32  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Chrysene                              | U         | ND     | 6.74  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Dibenzo(a,h)anthracene                | U         | ND     | 2.84  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Fluoranthene                          | U         | ND     | 3.55  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Fluorene                              | U         | ND     | 3.19  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Indeno(1,2,3-cd)pyrene                | U         | ND     | 7.10  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Phenanthrene                          | U         | ND     | 4.26  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| Pyrene                                | U         | ND     | 9.23  | 35.5 | ug/kg | 1  |         |          |      |       |        |
| <b>Volatile Organics</b>              |           |        |       |      |       |    |         |          |      |       |        |
| <i>5035/8260B BTEX Extended List</i>  |           |        |       |      |       |    |         |          |      |       |        |
| Benzene                               | U         | ND     | 0.435 | 2.23 | ug/kg | 1  | TLW     | 05/11/01 | 1503 | 77385 | 2      |
| Ethylbenzene                          | U         | ND     | 0.391 | 2.23 | ug/kg | 1  |         |          |      |       |        |
| Naphthalene                           | U         | ND     | 0.324 | 1.12 | ug/kg | 1  |         |          |      |       |        |
| Toluene                               | U         | ND     | 0.558 | 2.23 | ug/kg | 1  |         |          |      |       |        |
| Xylenes (total)                       | U         | ND     | 1.17  | 3.35 | ug/kg | 1  |         |          |      |       |        |
| tert-Butyl methyl ether               | U         | ND     | 2.54  | 2.23 | ug/kg | 1  |         |          |      |       |        |

**The following Prep Methods were performed**

| Method      | Description                        | Analyst | Date     | Time | Prep Batch |
|-------------|------------------------------------|---------|----------|------|------------|
| SW846 3550B | 3550B BNA Soil Prep-8270C Analysis | JMA     | 05/14/01 | 1830 | 77731      |
| SW846 5035  | 5030/8260A and 5035/8260B Prep     | TLW     | 05/11/01 | 1130 | 77455      |

**The following Analytical Methods were performed**

| Method | Description |
|--------|-------------|
| 1      | SW846 8270C |
| 2      | SW846 8260B |

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407

(843) 556-8171 • Fax (843) 766-1178



Printed on recycled paper.



# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

## Certificate of Analysis

Company : EEG, Inc.  
Address : 1649 Avenue D  
Charleston, SC 29405

Contact: Copes Wanamaker  
Project: Routine Analytical - Wanamaker

Report Date: May 17, 2001

Page 2 of 2

Client Sample ID: 1-East-Z  
Sample ID: 42147001

Project: EEGI00201  
Client ID: EEGI001

| Parameter                 | Qualifier                      | Result | DL               | RL | Units                    | DF | AnalystDate | Time | Batch | Method |
|---------------------------|--------------------------------|--------|------------------|----|--------------------------|----|-------------|------|-------|--------|
| <b>Surrogate recovery</b> | <b>Test</b>                    |        | <b>Recovery%</b> |    | <b>Acceptable Limits</b> |    |             |      |       |        |
| 2-Fluorobiphenyl          | 3550/8270 PAH STD LIST IN SOIL |        | 77%              |    | (42%-108%)               |    |             |      |       |        |
| Nitrobenzene-d5           | 3550/8270 PAH STD LIST IN SOIL |        | 75%              |    | (39%-107%)               |    |             |      |       |        |
| p-Terphenyl-d14           | 3550/8270 PAH STD LIST IN SOIL |        | 73%              |    | (46%-128%)               |    |             |      |       |        |
| Bromofluorobenzene        | 5035/8260B BTEX Extended List  |        | 98%              |    | (61%-146%)               |    |             |      |       |        |
| Dibromofluoromethane      | 5035/8260B BTEX Extended List  |        | 90%              |    | (54%-144%)               |    |             |      |       |        |
| Toluene-d8                | 5035/8260B BTEX Extended List  |        | 86%              |    | (61%-131%)               |    |             |      |       |        |

### Notes:

The Qualifiers in this report are defined as follows :

- \*\* Indicates the analyte is a surrogate compound.
- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit

The above sample is reported on a dry weight basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Tom Seabrook at 843-556-8171 Ext. 4479.

Reviewed by \_\_\_\_\_  
*James M. Seabrook*





# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

## Certificate of Analysis

Company : EEG, Inc.  
 Address : 1649 Avenue D  
 Charleston, SC 29405

Report Date: May 17, 2001

Contact: Copes Wanamaker  
 Project: Routine Analytical - Wanamaker

Page 1 of 2

Client Sample ID: 2-West-Z  
 Sample ID: 42147002  
 Matrix: Soil  
 Collect Date: 11-MAY-01  
 Receive Date: 11-MAY-01  
 Collector: Client  
 Moisture: 5.01%

Project: EEGI00201  
 Client ID: EEGI001

| Parameter                             | Qualifier | Result | DL    | RL   | Units | DF | Analyst | Date     | Time | Batch | Method |
|---------------------------------------|-----------|--------|-------|------|-------|----|---------|----------|------|-------|--------|
| <b>Semi-Volatiles-GC/MS</b>           |           |        |       |      |       |    |         |          |      |       |        |
| <i>3550/8270 PAH STD LIST IN SOIL</i> |           |        |       |      |       |    |         |          |      |       |        |
| Acenaphthene                          | U         | ND     | 4.21  | 35.1 | ug/kg | 1  | KGB1    | 05/15/01 | 1258 | 77819 | 1      |
| Acenaphthylene                        | U         | ND     | 3.86  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Anthracene                            | U         | ND     | 4.91  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Benzo(a)anthracene                    | U         | ND     | 6.32  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Benzo(a)pyrene                        | U         | ND     | 2.11  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Benzo(b)fluoranthene                  | U         | ND     | 2.46  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Benzo(ghi)perylene                    | U         | ND     | 5.26  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Benzo(k)fluoranthene                  | U         | ND     | 5.26  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Chrysene                              | U         | ND     | 6.67  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Dibenzo(a,h)anthracene                | U         | ND     | 2.81  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Fluoranthene                          | U         | ND     | 3.51  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Fluorene                              | U         | ND     | 3.16  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Indeno(1,2,3-cd)pyrene                | U         | ND     | 7.02  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Phenanthrene                          | U         | ND     | 4.21  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| Pyrene                                | U         | ND     | 9.12  | 35.1 | ug/kg | 1  |         |          |      |       |        |
| <b>Volatile Organics</b>              |           |        |       |      |       |    |         |          |      |       |        |
| <i>5035/8260B BTEX Extended List</i>  |           |        |       |      |       |    |         |          |      |       |        |
| Benzene                               | U         | ND     | 0.442 | 2.27 | ug/kg | 1  | TLW     | 05/11/01 | 1531 | 77385 | 2      |
| Ethylbenzene                          | U         | ND     | 0.397 | 2.27 | ug/kg | 1  |         |          |      |       |        |
| Naphthalene                           | U         | ND     | 0.329 | 1.13 | ug/kg | 1  |         |          |      |       |        |
| Toluene                               | U         | ND     | 0.567 | 2.27 | ug/kg | 1  |         |          |      |       |        |
| Xylenes (total)                       | U         | ND     | 1.19  | 3.40 | ug/kg | 1  |         |          |      |       |        |
| tert-Butyl methyl ether               | U         | ND     | 2.59  | 2.27 | ug/kg | 1  |         |          |      |       |        |

**The following Prep Methods were performed**

| Method      | Description                        | Analyst | Date     | Time | Prep Batch |
|-------------|------------------------------------|---------|----------|------|------------|
| SW846 3550B | 3550B BNA Soil Prep-8270C Analysis | JMA     | 05/14/01 | 1830 | 77731      |
| SW846 5035  | 5030/8260A and 5035/8260B Prep     | TLW     | 05/11/01 | 1132 | 77455      |

**The following Analytical Methods were performed**

| Method | Description |
|--------|-------------|
| 1      | SW846 8270C |
| 2      | SW846 8260B |

| Surrogate recovery | Test | Recovery% | Acceptable Limits |
|--------------------|------|-----------|-------------------|
|                    |      |           |                   |

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407

(843) 556-8171 • Fax (843) 766-1178



Printed on recycled paper.



# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

## Certificate of Analysis

Company : EEG, Inc.  
Address : 1649 Avenue D  
Charleston, SC 29405

Report Date: May 17, 2001

Contact: Copes Wanamaker  
Project: Routine Analytical - Wanamaker

Page 2 of 2

Client Sample ID: 2-West-Z  
Sample ID: 42147002

Project: EEGI00201  
Client ID: EEGI001

| Parameter            | Qualifier  | Result               | DL | RL   | Units | DF         | AnalystDate | Time | Batch | Method |
|----------------------|------------|----------------------|----|------|-------|------------|-------------|------|-------|--------|
| 2-Fluorobiphenyl     | 3550/8270  | PAH STD LIST IN SOIL |    | 79%  |       | (42%-108%) |             |      |       |        |
| Nitrobenzene-d5      | 3550/8270  | PAH STD LIST IN SOIL |    | 73%  |       | (39%-107%) |             |      |       |        |
| p-Terphenyl-d14      | 3550/8270  | PAH STD LIST IN SOIL |    | 76%  |       | (46%-128%) |             |      |       |        |
| Bromofluorobenzene   | 5035/8260B | BTEX Extended List   |    | 110% |       | (61%-146%) |             |      |       |        |
| Dibromofluoromethane | 5035/8260B | BTEX Extended List   |    | 88%  |       | (54%-144%) |             |      |       |        |
| Toluene-d8           | 5035/8260B | BTEX Extended List   |    | 90%  |       | (61%-131%) |             |      |       |        |

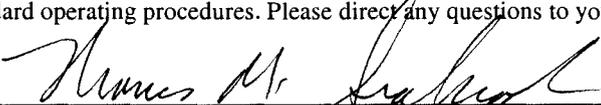
### Notes:

The Qualifiers in this report are defined as follows :

- \*\* Indicates the analyte is a surrogate compound.
- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit

The above sample is reported on a dry weight basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Tom Seabrook at 843-556-8171 Ext. 4479.

  
\_\_\_\_\_  
Reviewed by



