

N61165.AR.005256  
CNC CHARLESTON  
5090.3a

NO FURTHER ACTION (NFA) UNDERGROUND STORAGE TANK (UST) ASSESSMENT  
REPORT DATED 28 JULY 1998 FOR QUARTERS BUILDING 763 CNC CHARLESTON SC  
09/02/1998  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2 September 1998

2600 Bull Street  
Columbia, SC 29201-1708

COMMISSIONER:  
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Department of the Navy  
Southern Division NFEC  
P.O. Box 190010  
North Charleston, SC 29419-9010  
Attn: Mr. Gabriel Magwood

Re: Underground Storage Tank Assessment Report dated 28 July 1998  
Quarters Building 763 (Site Identification # 15405-General File)  
Charleston Naval Complex/Charleston Naval Base  
Charleston, SC  
Charleston County

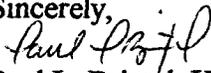
Dear Mr. Magwood:

The author has completed technical review of the referenced document. As submitted, the report provides a narrative describing closure activities and analytical results of environmental sampling conducted to determine if releases have occurred as a result of operation of the referenced vessel and/or associated piping system. The analytical results provided indicate reportable concentrations of BTEX and PAH compounds were detected in soil grab samples obtained from the UST excavation. The reported concentrations are below levels proposed in the SCAP (Soil Corrective Action Plan, amended July 1997). In this regard, the employed closure activities and sampling results appear to indicate that no additional endeavors for remedial actions and/or contaminant characterization are warranted for Quarters Building 763 at this time.

With consideration to the above comments, the Department has reviewed the referenced environmental data. Based on the information and analytical data submitted, the Department recognizes that the Department of the Navy and Charleston Naval Complex/Charleston Naval Base has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

Charleston Naval Complex/Charleston Naval Base  
2 September 1998  
page 2

Should you have any questions please contact me at (803) 734-5328.

Sincerely,  
  
Paul L. Bristol, Hydrogeologist  
Groundwater Quality Section  
Bureau of Water

  
Tom Knight, Manager  
Groundwater Quality Section  
Bureau of Water

cc: Trident District EQC



DEPARTMENT OF THE NAVY  
SOUTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
P.O. BOX 190010  
2155 EAGLE DRIVE  
NORTH CHARLESTON, S.C. 29419-9010

Li 7.31.98  
Lo 8.20.98

#15405

5090  
Code 1849  
28 July 1998

Mr. Paul Bristol  
South Carolina Department of Health  
And Environmental Control  
Groundwater Quality Section  
Bureau of Water  
2600 Bull Street  
Columbia, SC 29201

RECEIVED

JUL 28 1998

Water Monitoring, Assessment &  
Protection Division

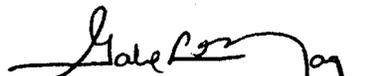
**UST ASSESSMENT REPORTS FOR CHARLESTON NAVAL COMPLEX,  
CHARLESTON, SC**

Dear Mr. Bristol:

Enclosed are the Assessment Reports for the closure of Underground Storage Tanks 760, 763, DD, FF, HH, JJ, M5, M6, and M8 located at the Charleston Naval Complex, Charleston, SC.

If you have any questions please contact me at (843) 820-7307.

Sincerely,

  
GABRIEL L. MAGWOOD  
Petroleum/UST

Encl:  
(1) Assessment Reports

NFA

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 29205  
Telephone (803) 734-5331

RECEIVED  
JUL 23 1998  
Water Monitoring, Assessment & Protection Division

**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: Henry N. Shepard II, P. E.			

RECEIVED  
JUL 28 1998  
Water Monitoring, Assessment & Protection Division  
N/A

**II SITE IDENTIFICATION AND LOCATION**

Site I.D. #:	Unregulated		
Facility Name:	Charleston Naval Base Complex, Building 763		
Street Address:	1451 Avenue "H"		
City:	North Charleston, 29405-2413	County:	Charleston

**III CLOSURE INFORMATION**

Closure Started: 8 May 1998	Closure Completed: 8 May 1998
Number of USTs Closed: 1	
N/A Consultant	SPORTENVDETCNASN 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.	
Henry Shepard II, P. E.	
Name (Type or Print)	
Signature	Henry N. Shepard II PE 7/15/98

**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. Visible Corrosion or Pitting Y/N.....
- K. Visible Holes Y/N.....

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Fuel oil					
550 gal					
Unk.					
Steel					
3/98					
6' 3"					
N					
N					
R					
Y					
N					

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

UST 763 was removed, drained, cut open at both ends, and cleaned with a steam cleaner. It was then cut up for recycling as scrap metal. (See Attachment III.)

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

UST 763's sludge, waste water, and residual fuel oil were recycled.

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

UST 763 was covered with a protective coating. The tank was in good condition. Minor corrosion was present, but no 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.....

Note 1: UST 763 provided heating fuel oil to building 763.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Copper & Steel					
3' See note 1					
1 see note 1					
S					
Y					
Y					
N					
Unk.					

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

The steel fill pipe and the steel ventilation pipe were corroded throughout their length, but no holes were found in either pipe. The copper supply and return lines were in good condition.

## VII. BRIEF SITE DESCRIPTION AND HISTORY

Building 763 is also known as Naval Hospital building NH-"H." It was built in the 1940s, and served as housing for Naval families until base closure.

## 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 the removal of UST 763, soil samples were taken. 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. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Samples were extracted at the tank ends and from beneath the piping at the mechanical connections.

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 SPORTENVDETCHASN until they were transferred to General Engineering Laboratories for analysis as documented in the attached Chain-of-Custody Record.

## XI. RECEPTORS

Yes No

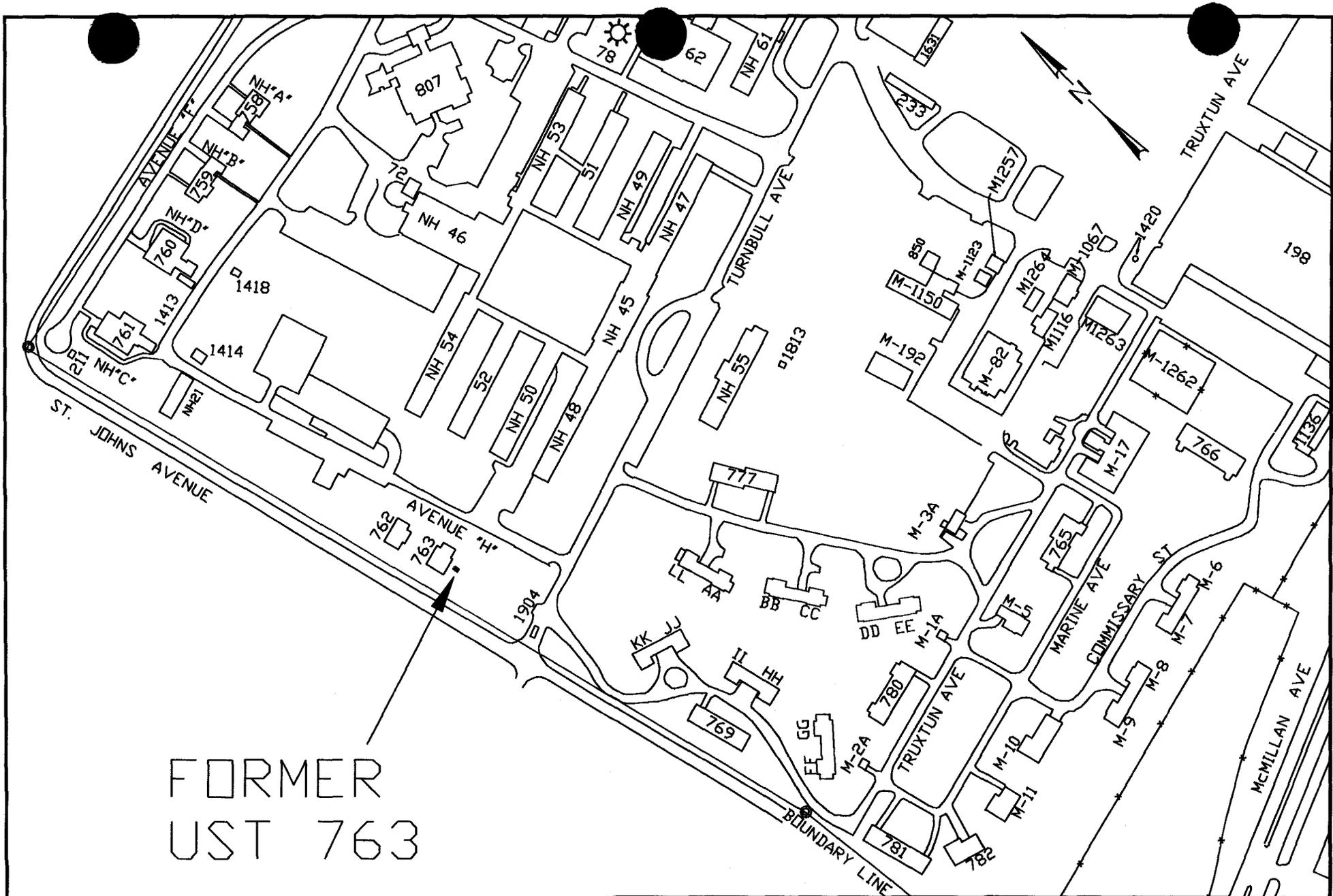
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>		X
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If 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 style="text-align: center;">[basement/boiler rm 3']</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;">[electrical, water]</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 pump island locations, sample locations, extent of excavation, and any other pertinent information.

Site Maps 1, 2 and 3  
Photograph 1



FORMER  
UST 763



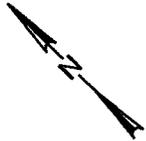
GRAPHIC SCALE

SPORTENVDETHASN  
1899 North Hobson Ave.  
North Charleston, SC  
29405-2106  
Ph. (803) 743-6777

Site Map 1  
UST 763  
Charleston Naval Base  
Charleston, SC

---

DWG DATE: 18 MAY 98    DWG NAME: U763\_1



SIDEWALK

GRAVEL DRIVE

AVENUE "H"

BLDG 763

A.K.A. NH "H"  
1451 AVENUE H

BOILER ROOM  
(EXTENDS BELOW GROUND SURFACE LEVEL)

ELECTRICAL TRANSFORMER #3014

FORMER UST 763

UST EXCAVATION



BOUNDARY LINE FENCE

ST. JOHNS AVE.

SPORTENVDETHASN  
1899 North Hobson Ave.  
North Charleston, SC 29405-2106  
Ph. (803) 743-6777

Site Map 2  
UST 763  
Charleston Naval Base  
Charleston, SC

DWG DATE: 28 MAY 98 | DWG NAME: U763\_2

BLDG 763  
A.K.A. NH "H"

BOILER ROOM  
(EXTENDS BELOW  
GROUND SURFACE LEVEL)

VENT  
(STEEL)

ELECTRICAL  
TRANSFORMER #3014

SUPPLY & RETURN  
(COPPER)

SOIL SAMPLE SPORT 0681-3  
(BLACK SOIL, NO ODOR,  
OVA 6.8 ppm)

WATER SPIGOT

FILL  
(STEEL)

FORMER UST 762

SOIL SAMPLE SPORT 0681-2  
(BLACK SOIL, NO ODOR,  
OVA 4.3 ppm)



GRAPHIC SCALE

SPORTENVDETHASN  
1899 North Hobson Ave.  
North Charleston, SC  
29405-2106  
Ph. (803) 743-6777

Site Map 3  
UST 763  
Charleston Naval Base  
Charleston, SC

DWG DATE: 28 MAY 98

DWG NAME: U763\_3

UST 763



Photo 1: UST 763 being readied for transport to the cleaning and cutting pad.



Photo 2: UST 763 during cutting and cleaning.

**Attachment II**  
**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

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763

### Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	333	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 1 of 2

Sample ID : SPORT0681-1  
 Lab ID : 9805366-01  
 Matrix : GroundH2O  
 Date Collected : 05/08/98  
 Date Received : 05/13/98  
 Priority : Routine  
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
<b>Volatile Organics</b>											
<i>BTEX - 4 items</i>											
Benzene	U	0.00	1.00	2.00	ug/l	1.0	JEB	05/14/98	1214	122201	1
Ethylbenzene	U	0.00	1.00	2.00	ug/l	1.0					
Toluene	U	0.00	1.00	2.00	ug/l	1.0					
Xylenes (TOTAL)	U	0.00	1.00	4.00	ug/l	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/l	1.0					

Surrogate Recovery	Test	Percent%	Acceptable Limits
Bromofluorobenzene	BTEX-8260	93.3	(60.2 - 139.)
Dibromofluoromethane	BTEX-8260	91.9	(70.6 - 152.)
Toluene-d8	BTEX-8260	95.0	(68.4 - 135.)
Bromofluorobenzene	NAP-8260	93.3	(60.2 - 139.)
Dibromofluoromethane	NAP-8260	91.9	(70.6 - 152.)
Toluene-d8	NAP-8260	95.0	(68.4 - 135.)

M = Method	Method-Description
M 1	EPA 8260

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(803) 556-8171 • Fax (803) 766-1178



\*9805366-01\*

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# GENERAL ENGINEERING LABORATORIES

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### Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/8745H
NC	233	
SC	10120	10582
TN	02534	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers  
 Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 2 of 2

Sample ID : SPOR10681-1

M = Method	Method-Description
------------	--------------------

### Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

\* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakeney at (803) 769-7386.

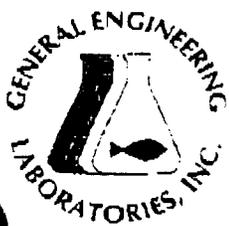
Karen Blakeney  
 Reviewed By

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# GENERAL ENGINEERING LABORATORIES

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### Laboratory Certifications

STATE	GEL	EPI
FL	587156/87294	ES7472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 1 of 2

Sample ID : SPORT0681-2  
 Lab ID : 9805366-02  
 Matrix : Soil  
 Date Collected : 05/08/98  
 Date Received : 05/13/98  
 Priority : Routine  
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
<b>Volatile Organics</b>											
<i>BTEX - 4 items</i>											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JEB	05/15/98	1545	122280	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	0.00	1.00	2.00	ug/kg	1.0					
Xylenes (TOTAL)	U	0.00	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					
<b>Extractable Organics</b>											
<i>Polynuclear Aromatic Hydrocarbons - 16 items</i>											
Acenaphthene	U	0.00	167	333	ug/kg	1.0	RLC	05/18/98	1518	122136	2
Acenaphthylene	U	0.00	167	333	ug/kg	1.0					
Anthracene	U	0.00	167	333	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	167	333	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	167	333	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	167	333	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	167	333	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	167	333	ug/kg	1.0					
Chrysene	U	0.00	167	333	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	167	333	ug/kg	1.0					
Fluoranthene	U	0.00	167	333	ug/kg	1.0					
Fluorene	U	0.00	167	333	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	167	333	ug/kg	1.0					
Naphthalene	U	0.00	167	333	ug/kg	1.0					
Phenanthrene	U	0.00	167	333	ug/kg	1.0					
Pyrene	U	0.00	167	333	ug/kg	1.0					

The following prep procedures were performed:  
 GC/MS Base/Neutral Compounds

RDH 05/14/98 1705 122136 3

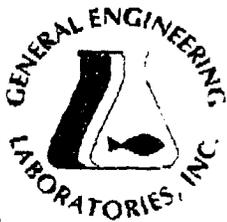
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\*9805366-02\*

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### Laboratory Certifications

STATE	GEL	EPT
FL	E87156/87294	E87472/8745H
NC	231	
SC	10110	105H2
TN	02934	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 2 of 2

Sample ID: SPORT0681-2

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	71.8	(30.0 - 115.)
Nitrobenzene-d5	M610	62.5	(23.0 - 120.)
p-Terphenyl-d14	M610	87.7	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	90.2	(53.5 - 154.)
Dibromofluoromethane	BTEX-8260	90.8	(63.4 - 136.)
Toluene-d8	BTEX-8260	88.0	(72.1 - 137.)
Bromofluorobenzene	NAP-8260	90.2	(53.5 - 154.)
Dibromofluoromethane	NAP-8260	90.8	(63.4 - 136.)
Toluene-d8	NAP-8260	88.0	(72.1 - 137.)

M = Method	Method-Description
M 1	EPA 8260
M 2	EPA 8270
M 3	EPA 3550

### Notes:

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ND indicates that the analyte was not detected at a concentration greater than the detection limit.

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakney at (803) 769-7386.

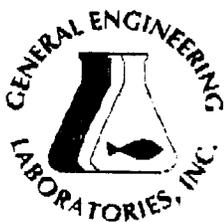
*Karen Blakney*  
 Reviewed By

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414

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\*9805366-02\*

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# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

### Laboratory Certifications

STATE	GEL	EPT
FL	EE7156/87294	EE87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 1 of 2

Sample ID : SPORT0681-3  
 Lab ID : 9805366-03  
 Matrix : Soil  
 Date Collected : 05/08/98  
 Date Received : 05/13/98  
 Priority : Routine  
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
<b>Volatile Organics</b>											
<i>BTEX - 4 items</i>											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JEB	05/15/98	1616	122280	1
Ethylbenzene		2.70	1.00	2.00	ug/kg	1.0					
Toluene	U	0.00	1.00	2.00	ug/kg	1.0					
Xylenes (TOTAL)		22.1	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					
<b>Extractable Organics</b>											
<i>Polynuclear Aromatic Hydrocarbons - 16 items</i>											
Acenaphthene	U	0.00	165	330	ug/kg	1.0	RLC	05/18/98	1546	122136	2
Acenaphthylene	U	0.00	165	330	ug/kg	1.0					
Anthracene	U	0.00	165	330	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	165	330	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	165	330	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	165	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	165	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	165	330	ug/kg	1.0					
Chrysene	U	0.00	165	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	165	330	ug/kg	1.0					
Fluoranthene	J	189	165	330	ug/kg	1.0					
Fluorene	U	0.00	165	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	165	330	ug/kg	1.0					
Naphthalene	U	0.00	165	330	ug/kg	1.0					
Phenanthrene	J	171	165	330	ug/kg	1.0					
Pyrene	U	0.00	165	330	ug/kg	1.0					

The following prep procedures were performed:  
 GC/MS Basic/Neutral Compounds

RDH 05/14/98 1705 122136 3

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9805366-03

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# GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

### Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	1897472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion  
 SUPSHIP-Portsmouth Detachment-Env.  
 1899 North Hobson Ave.  
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00197

Report Date: May 20, 1998

Page 2 of 2

Sample ID : SPORT0681-3

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	55.6	(30.0 - 115.)
Nitrobenzene-d5	M610	55.9	(23.0 - 120.)
p-Terphenyl-d14	M610	72.7	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	89.8	(53.5 - 154.)
Dibromofluoromethane	BTEX-8260	91.4	(63.4 - 136.)
Toluene-d8	BTEX-8260	88.4	(72.1 - 137.)
Bromofluorobenzene	NAP-8260	89.8	(53.5 - 154.)
Dibromofluoromethane	NAP-8260	91.4	(63.4 - 136.)
Toluene-d8	NAP-8260	88.4	(72.1 - 137.)

M = Method	Method-Description
M 1	EPA 8260
M 2	EPA 8270
M 3	EPA 3550

**Notes:**

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

\* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

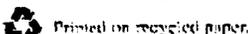
This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakeney at (803) 769-7386.

*Karen Blakeney*  
 Reviewed By

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\*9805366-03\*



# CHAIN OF CUSTODY RECORD

Page 1 of 1

9805366%

Client Name/Facility Name		SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods										Use F or P in the boxes to indicate whether sample was filtered and/or preserved											
SPORTEN V DETCHASN		pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	BTEX/NAP	PAH	Remarks				
Collected by/Company																			# OF CONTAINERS				
SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB																	
01 SPORT 0681-1	5/8/98	1130				X	1												X	Water Trip Blank		1	
02 SPORT 0681-2	5/8/98	1000		X		X	2												X	X	763 West soil		2
03 SPORT 0681-3	5/8/98	1012		X		X	2												X	X	763 East soil		2
Relinquished by: <i>RW Pol</i>		Date: <i>5/11/98</i>	Time: <i>0910</i>	Received by: <i>Jan L...</i>		Relinquished by: <i>John &amp; M Sam</i>		Date: <i>5/12/98</i>	Time: <i>1505</i>	Received by: <i>Catherine...</i>		Relinquished by: <i>Catherine...</i>		Date: <i>5/12/98</i>	Time: <i>1530</i>	Remarks: <i>Francis</i>							

White = sample collector    Yellow = file    Pink = with report

**Attachment III**

Certificate of Disposal (tank)

# UST Certificate of Disposal

## CONTRACTOR

Supervisor of Shipbuilding Conversion and Repair  
Portsmouth, VA  
Environmental Detachment Charleston  
1899 North Hobson Avenue  
North Charleston 29405-2106

Telephone (843) 743-6482

## TANK ID & LOCATION

UST 763; Building 763, 1451 Avenue "H", North Charleston SC

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## DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning  
& Disposal Area  
Charleston Naval Complex

### TYPE OF TANK

Fuel oil

### SIZE (GAL)

550 gal

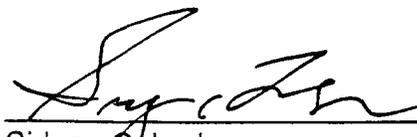
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## CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, and disposed of as recyclable scrap metal.

## DISPOSAL CERTIFICATION

I certify that the above tank has been properly cleaned and disposed of as recyclable scrap metal.

  
Sidney C. Ladson

106/11/98  
(Date)