N61165.AR.005634
CNC CHARLESTON
5090.3a

UNDERGROUND STORAGE TANK ASSESSMENT (UST) REPORT FOR BUILDING NH-63

CNC CHARLESTON SC

10/25/1996

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

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

RECEIVED
FEB 27 1997
Groundwater Assessment and Development Section

Date Received	"NFA"
State Use Only	

Submit Completed Form to:
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: 803 Telephone Number: 743-9985 Contact Person: LCDR Paul Rose

II SITE IDENTIFICATION AND LOCATION

Site I.D. #: Unregulated

Facility Name: Charleston Naval Base Complex, NH 63 17788

Street Address: Avenue H

City: North Charleston, 29405-2413 County: Charleston

III CLOSURE INFORMATION

Closure Started: 16 Sept 1996 Closure Completed: 25 Oct 1996

Number of USTs Closed: 2

N/A
Consultant

SPORTENVDETCHASN
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.

LCDR Paul Rose
Name (Type or Print)

Signature

V. UST INFORMATION

	Tank 1 NH63-1	Tank 2 NH63-2	Tank 3	Tank 4	Tank 5
A. Product	Gasoline	Diesel			
B. Capacity	560 gal.	560 gal.			
C. Age	1944	1944			
D. Construction Material	Steel	Steel			
E. Month/Year of Last Use	Unk.	Unk.			
F. Depth (ft.) To Base of Tank	6'	6'			
G. Spill Prevention Equipment Y/N	N	N			
H. Overfill Prevention Equipment Y/N	N	N			
I. Method of Closure Removed/Filled	R	R			
J. Visible Corrosion or Pitting Y/N	Y	Y			
K. Visible Holes Y/N	N	N			

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

USTs NH63-1 and NH63-2 were removed, drained, cut open at both ends, and cleaned with a steam cleaner. They were 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)

The residual gasoline, diesel fuel, waste water, and sludge were recycled.

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

USTs NH 63-1 and NH 63-2 were corroded and pitted throughout their exterior surfaces. No holes were found during removal, cleaning, or cutting operations.

VI. PIPING INFORMATION

		Tank 1 NH63-1	Tank 2 NH63-2	Tank 3	Tank 4	Tank 5
A.	Construction Material.....	Steel	Steel			
B.	Distance from UST to Dispenser.....	32'	26'			
C.	Number of Dispensers.....	1	1			
D.	Type of System P/S.....	S	S			
E.	Was Piping Removed from the Ground? Y/N....	Y	Y			
F.	Visible Corrosion or Pitting Y/N.....	Y	Y			
G.	Visible Holes Y/N.....	N	N			
H.	Age.....	1944	1944			

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

All lines were corroded and pitted, but no holes were found.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Building NH63 was a part of the former Naval Hospital service station. The facility was constructed in 1944. It is not known when the station was demolished.

No holes could be found in the tanks during removal or cleaning. Elevated levels of some Polynuclear Aromatic Hydrocarbons (PAHs) may have been due to overspill during past filling or servicing operations.

The pipe run excavations terminated at the elbow fittings to the pump islands, which had been removed at an unknown date prior to base closure and paved over with asphalt.

VIII. SITE CONDITIONS

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

* All soils removed from the excavation were returned to the tank pit.

IX. SAMPLE INFORMATION

S.C.D.H.E.C. Lab Certification Number 10120

Sample #	Location	Sample Type (Soil/Water)	Depth*	Date/Time of Collection	Collected By	OVA#
SPORT 0172-1	North end of tank NH-2.	Soil	6'	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0172-2	South end of tank NH-2.	Soil	6'	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0172-3	East end of tank NH-1.	Soil	6'	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0172-4	West en d of tank NH-1.	Soil	6'	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0172-5	Dirt pile 1.	Soil	-	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0172-6	Dirt pile 2.	Soil	-	20 Sept 96 1400	R. Adkins	Not Taken
SPORT 0187-1	East end of UST NH63-2 pipe trough.	Soil	2'	1 Oct 96 1130	R. Adkins	Not Taken
SPORT 0187-2	East end of UST NH63-1 pipe trough.	Soil	2'	1130	R. Adkins	Not Taken

* = Depth Below the Surrounding Land Surface

X. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect <u>and</u> store (preserve) the samples.

After the removal of USTs NH63-1 and NH63-2 soil samples were taken. Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC UST Assessment Guidelines.

The samples are identified as follows:

	Detachment Charleston		General Engineering Labs
Soil Sample	UST63-1	=	SPORT -0172-1
Soil Sample	UST63-2	=	SPORT -0172-2
Soil Sample	UST63-3	=	SPORT -0172-3
Soil Sample	UST63-4	=	SPORT -0172-4
Soil Sample	UST63-5	=	SPORT -0172-5
Soil Sample	UST63-6	=	SPORT -0172-6
Soil Sample	UST63-7	=	SPORT -0187-1
Soil Sample	UST63-8	=	SPORT -0187-2

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. Soil samples were extracted at the tank ends. UST piping soil samples were taken under 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

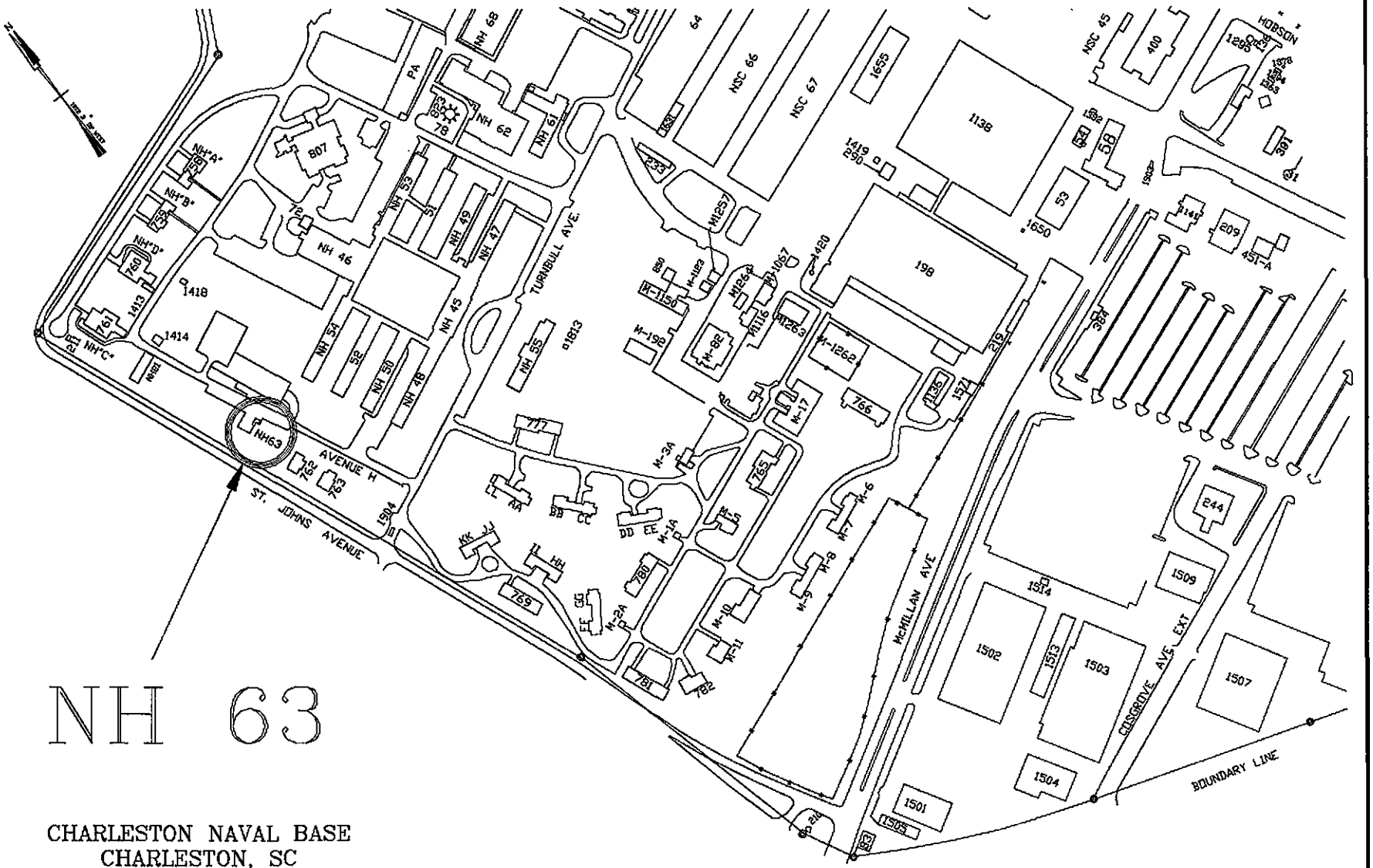
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.		X
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C.	Are there any underground structures (e.g., basements) located within 100 feet of the UST system? If yes, indicate the type of structure, distance, and direction on site map.		X
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? [*sewer, storm drain] If yes, indicate the type of utility, distance, and direction on the site map.	*X	
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? If yes, indicate the area of contaminated soil on the site map.		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, 3, and 4
Photographs 1 and 2

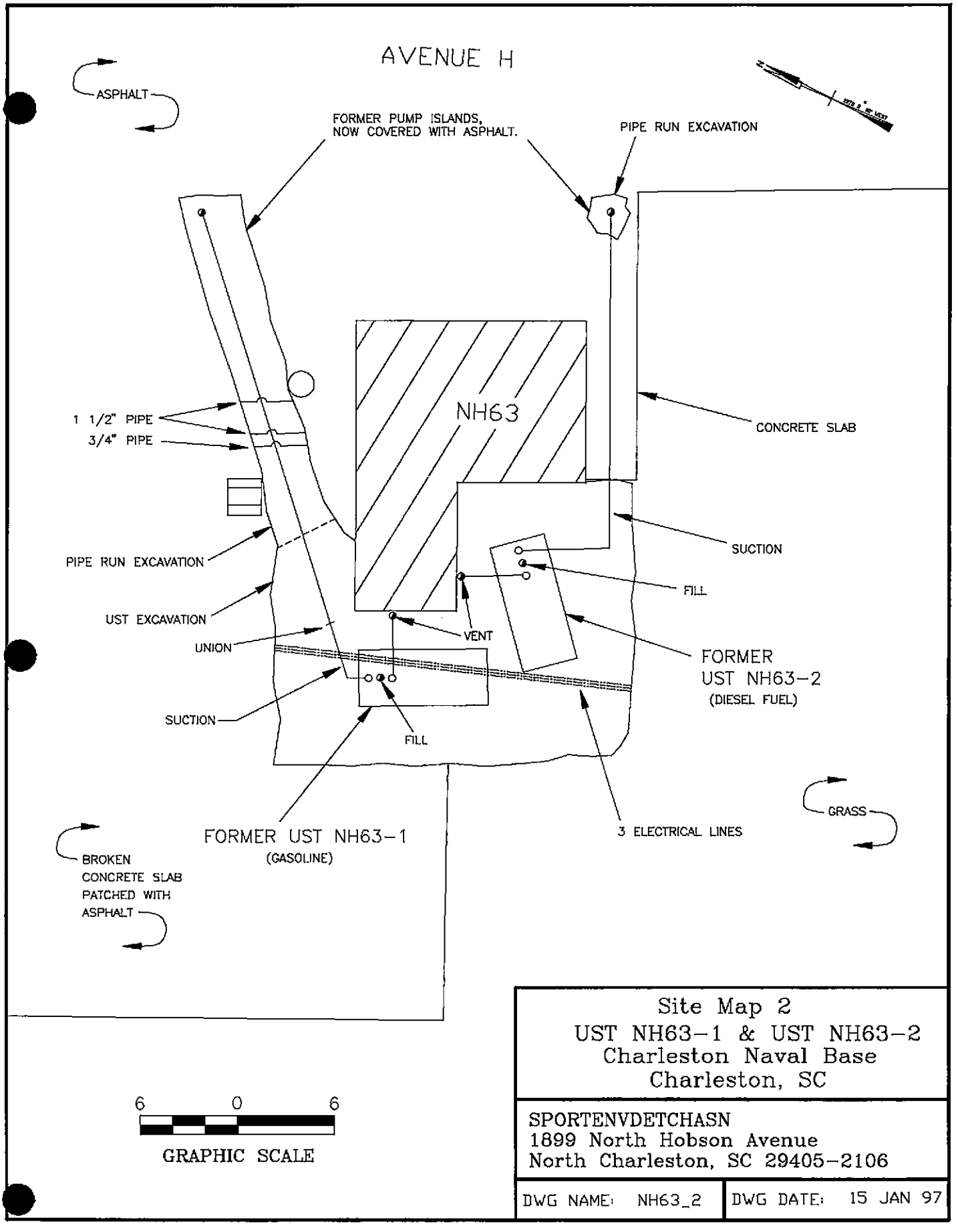


CHARLESTON NAVAL BASE
CHARLESTON, SC

300 0 300 600 900

GRAPHIC SCALE

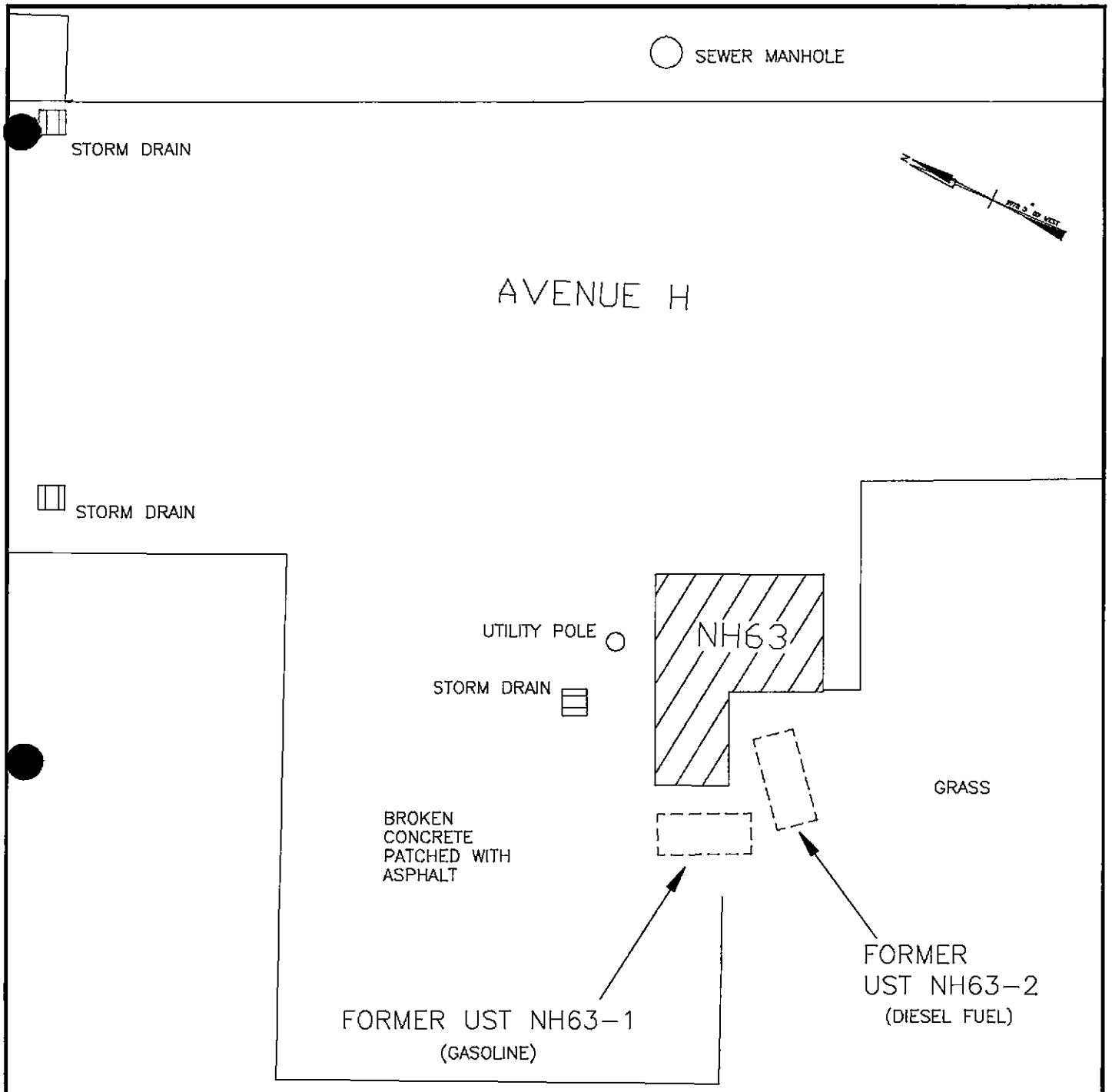
Site Map 1 UST NH63-1 & NH63-2 Charleston Naval Base Charleston, SC	SPORTENVDETCHASN 1899 North Hobson Avenue North Charleston, SC 29405-2106
	DWG DATE: 10 JAN 97 / DWG NAME: NH63_1



Site Map 2
UST NH63-1 & UST NH63-2
Charleston Naval Base
Charleston, SC

SPORTENVDETCHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106

DWG NAME: NH63_2	DWG DATE: 15 JAN 97



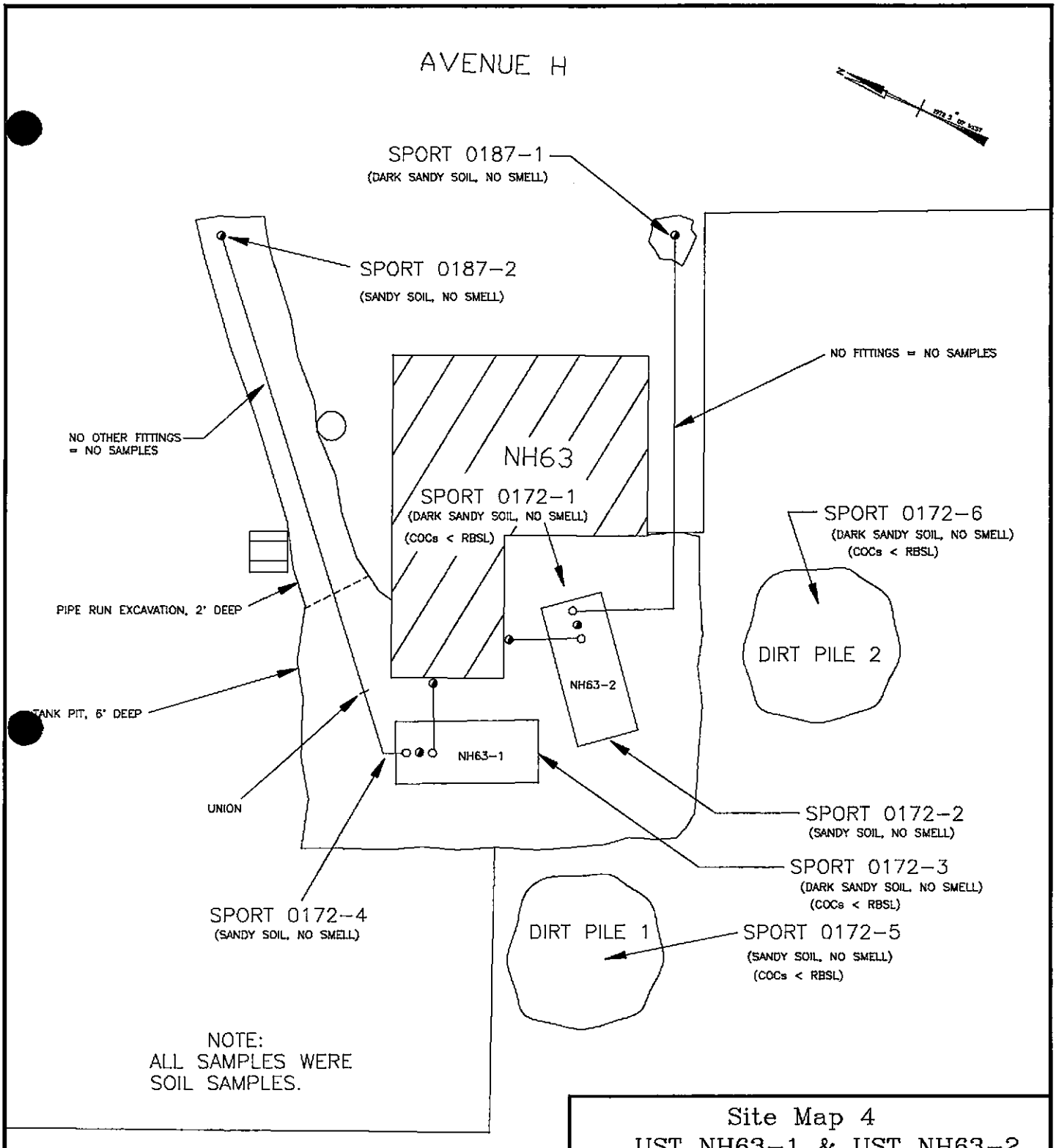
15 0 15

GRAPHIC SCALE

Site Map 3
UST NH63-1 & NH63-2
Charleston Naval Base
Charleston, SC

SPORTENVDETCHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106

DWG NAME: NH63_3 | DWG DATE: 15 JAN 97



Site Map 4
UST NH63-1 & UST NH63-2
Charleston Naval Base
Charleston, SC

SPORTENVDETCHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106

DWG NAME: NH63_4	DWG DATE: 15 JAN 97

UST NH 63

Photo 1: UST NH63-1 after removal from the excavation.

Photo 2: UST NH63-2 after removal from the excavation.

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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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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: NPWC00196 Report Date: October 03, 1996

Sample ID	: SPORT0172-1
Lab ID	: 9609448-01
Matrix	: Soil
Date Collected	: 09/20/96
Date Received	: 09/23/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
EX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/25/96	2345	91223	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	J	1.13	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	165	330	ug/kg	1.0	JPA	10/01/96	0444	91153	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	J	253	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	J	234	165	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	165	330	ug/kg	1.0					
Fluoranthene		342	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	U	0.00	165	330	ug/kg	1.0					
Pyrene		701	165	330	ug/kg	1.0					

following prep procedures were performed:
GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-1

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M

Comments:
Volatile Organics contained matrix interferences.

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	73.3	(30.0 - 115.)
Nitrobenzene-d5	M610	72.5	(23.0 - 120.)
p-Terphenyl-d14	M610	116.	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	155.	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	89.8	(74.0 - 128.)
Toluene-d8	BTEX-8260	116.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	155.	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	89.8	(74.0 - 128.)
Toluene-d8	NAP-8260	116.	(53.4 - 163.)

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.

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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-1

M = Method	Method-Description

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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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: NPWC00196 Report Date: October 03, 1996

Sample ID	: SPORT0172-2
Lab ID	: 9609448-02
Matrix	: Soil
Date Collected	: 09/20/96
Date Received	: 09/23/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/26/96	0111	91223	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	166	331	ug/kg	1.0	WAM	10/01/96	1703	91153	2
Acenaphthylene	U	0.00	166	331	ug/kg	1.0					
Anthracene	U	0.00	166	331	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	166	331	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	166	331	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	166	331	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	166	331	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	166	331	ug/kg	1.0					
Chrysene	U	0.00	166	331	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	166	331	ug/kg	1.0					
Fluoranthene	J	185	166	331	ug/kg	1.0					
Fluorene	U	0.00	166	331	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	166	331	ug/kg	1.0					
Naphthalene	U	0.00	166	331	ug/kg	1.0					
Phenanthrene	U	0.00	166	331	ug/kg	1.0					
Pyrene	J	318	166	331	ug/kg	1.0					

The following prep procedures were performed:
GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-2

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	45.3	(30.0 - 115.)
Nitrobenzene-d5	M610	44.7	(23.0 - 120.)
p-Terphenyl-d14	M610	88.6	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	87.9	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	124.	(74.0 - 128.)
Toluene-d8	BTEX-8260	99.1	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	87.9	(59.7 - 159.)
[illegible]omofluoromethane	NAP-8260	124.	(74.0 - 128.)
Toluene-d8	NAP-8260	99.1	(53.4 - 163.)

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

Notes:
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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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STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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: NPWC00196 Report Date: October 03, 1996

Sample ID	: SPORT0172-3
Lab ID	: 9609448-03
Matrix	: Soil
Date Collected	: 09/20/96
Date Received	: 09/23/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/26/96	0139	91223	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)	J	1.24	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	164	330	ug/kg	1.0	WAM	10/01/96	1735	91153	2
Acenaphthylene	U	0.00	164	330	ug/kg	1.0					
Anthracene	U	0.00	164	330	ug/kg	1.0					
Benzo(a)anthracene	J	183	164	330	ug/kg	1.0					
Benzo(a)pyrene	J	173	164	330	ug/kg	1.0					
Benzo(b)fluoranthene	J	278	164	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	164	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	164	330	ug/kg	1.0					
Chrysene	J	275	164	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	164	330	ug/kg	1.0					
Fluoranthene		474	164	330	ug/kg	1.0					
Fluorene	U	0.00	164	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	164	330	ug/kg	1.0					
Naphthalene	U	0.00	164	330	ug/kg	1.0					
Phenanthrene	U	0.00	164	330	ug/kg	1.0					
Pyrene		785	164	330	ug/kg	1.0					

The following prep procedures were performed:
GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-3

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M

Comments:
Volatile Organics contained matrix interferences.

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	68.2	(30.0 - 115.)
Nitrobenzene-d5	M610	68.4	(23.0 - 120.)
p-Terphenyl-d14	M610	106.	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	86.6	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	143.*	(74.0 - 128.)
Toluene-d8	BTEX-8260	115.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	86.6	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	143.*	(74.0 - 128.)
Toluene-d8	NAP-8260	115.	(53.4 - 163.)

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.

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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-3

M = Method	Method-Description

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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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-4
Lab ID : 9609448-04
Matrix : Soil
Date Collected : 09/20/96
Date Received : 09/23/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/26/96	0208	91223	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	163	330	ug/kg	1.0	WAM	10/01/96	1807	91153	2
Acenaphthylene	U	0.00	163	330	ug/kg	1.0					
Anthracene	U	0.00	163	330	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	163	330	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	163	330	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	163	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	163	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	163	330	ug/kg	1.0					
Chrysene	U	0.00	163	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	163	330	ug/kg	1.0					
Fluoranthene	U	0.00	163	330	ug/kg	1.0					
Fluorene	U	0.00	163	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	163	330	ug/kg	1.0					
Naphthalene	U	0.00	163	330	ug/kg	1.0					
Phenanthrene	U	0.00	163	330	ug/kg	1.0					
Pyrene	U	0.00	163	330	ug/kg	1.0					

The following prep procedures were performed:

GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-4

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	51.0	(30.0 - 115.)
Nitrobenzene-d5	M610	53.4	(23.0 - 120.)
p-Terphenyl-d14	M610	94.3	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	87.1	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	125.	(74.0 - 128.)
Toluene-d8	BTEX-8260	100.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	87.1	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	125.	(74.0 - 128.)
Toluene-d8	NAP-8260	100.	(53.4 - 163.)

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
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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-5
Lab ID : 9609448-05
Matrix : Soil
Date Collected : 09/20/96
Date Received : 09/23/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/26/96	0236	91223	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	0.690	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	163	330	ug/kg	1.0	WAM	10/01/96	1839	91153	2
Acenaphthylene	U	0.00	163	330	ug/kg	1.0					
Anthracene	U	0.00	163	330	ug/kg	1.0					
Benzo(a)anthracene		410	163	330	ug/kg	1.0					
Benzo(a)pyrene	J	299	163	330	ug/kg	1.0					
Benzo(b)fluoranthene		566	163	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	163	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	163	330	ug/kg	1.0					
Chrysene		452	163	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	J	205	163	330	ug/kg	1.0					
Fluoranthene		1020	163	330	ug/kg	1.0					
Fluorene	U	0.00	163	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	J	192	163	330	ug/kg	1.0					
Naphthalene	U	0.00	163	330	ug/kg	1.0					
Phenanthrene	U	0.00	163	330	ug/kg	1.0					
Pyrene		1450	163	330	ug/kg	1.0					

The following prep procedures were performed:

GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-5

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M

Comments:
Volatile Organics contained matrix interferences.

Surrogate Recovery	Test	Percent%	Acceptable Limits
Fluorobiphenyl	M610	74.4	(30.0 - 115.)
robenzene-d5	M610	74.6	(23.0 - 120.)
p-Terphenyl-d14	M610	97.2	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	89.0	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	151.*	(74.0 - 128.)
Toluene-d8	BTEX-8260	115.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	89.0	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	151.*	(74.0 - 128.)
Toluene-d8	NAP-8260	115.	(53.4 - 163.)

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).
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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-5

M = Method	Method-Description

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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: NPWC00196 Report Date: October 03, 1996

Sample ID	: SPORT0172-6
Lab ID	: 9609448-06
Matrix	: Soil
Date Collected	: 09/20/96
Date Received	: 09/23/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	09/26/96	0305	91223	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	163	330	ug/kg	1.0	WAM	10/01/96	1912	91153	2
Acenaphthylene	U	0.00	163	330	ug/kg	1.0					
Anthracene	U	0.00	163	330	ug/kg	1.0					
Benzo(a)anthracene	J	251	163	330	ug/kg	1.0					
Benzo(a)pyrene	J	212	163	330	ug/kg	1.0					
Benzo(b)fluoranthene		333	163	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	163	330	ug/kg	1.0					
Benzo(k)fluoranthene	J	166	163	330	ug/kg	1.0					
Chrysene		359	163	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	163	330	ug/kg	1.0					
Fluoranthene		704	163	330	ug/kg	1.0					
Fluorene	U	0.00	163	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	163	330	ug/kg	1.0					
Naphthalene	U	0.00	163	330	ug/kg	1.0					
Phenanthrene	U	0.00	163	330	ug/kg	1.0					
Pyrene		1040	163	330	ug/kg	1.0					

The following prep procedures were performed:

GC/MS Base/Neutral Compounds TNF 09/25/96 1300 91153 3

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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: NPWC00196 Report Date: October 03, 1996

Sample ID : SPORT0172-6

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	64.9	(30.0 - 115.)
Nitrobenzene-d5	M610	64.3	(23.0 - 120.)
p-Terphenyl-d14	M610	108.	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	157.	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	88.3	(74.0 - 128.)
Toluene-d8	BTEX-8260	118.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	157.	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	88.3	(74.0 - 128.)
Toluene-d8	NAP-8260	118.	(53.4 - 163.)

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).
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* 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.

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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: NPWC00196 Report Date: October 14, 1996

Sample ID	: SPORT0187-1
Lab ID	: 9610031-01
Matrix	: Soil
Date Collected	: 10/01/96
Date Received	: 10/01/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	10/04/96	1825	91721	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	1.00	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	166	332	ug/kg	1.0	BDG	10/10/96	1854	91877	2
Acenaphthylene	U	0.00	166	332	ug/kg	1.0					
Anthracene	U	0.00	166	332	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	166	332	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	166	332	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	166	332	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	166	332	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	166	332	ug/kg	1.0					
Chrysene	U	0.00	166	332	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	166	332	ug/kg	1.0					
Fluoranthene	U	0.00	166	332	ug/kg	1.0					
Fluorene	U	0.00	166	332	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	166	332	ug/kg	1.0					
Naphthalene	U	0.00	166	332	ug/kg	1.0					
Phenanthrene	U	0.00	166	332	ug/kg	1.0					
Pyrene	U	0.00	166	332	ug/kg	1.0					

The following prep procedures were performed:

GC/MS Base/Neutral Compounds DDT 10/08/96 2345 91877 3

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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: NPWC00196 Report Date: October 14, 1996

Sample ID : SPORT0187-1

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M

Comments:
Volatile Organics contained matrix interferences.

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	85.0	(30.0 - 115.)
Nitrobenzene-d5	M610	70.8	(23.0 - 120.)
p-Terphenyl-d14	M610	92.6	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	168.*	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	188.*	(74.0 - 128.)
Toluene-d8	BTEX-8260	171.*	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	168.*	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	188.*	(74.0 - 128.)
Toluene-d8	NAP-8260	171.*	(53.4 - 163.)

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.

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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: NPWC00196 Report Date: October 14, 1996

Sample ID : SPORT0187-1

M = Method	Method-Description

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.

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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: NPWC00196 Report Date: October 14, 1996

Sample ID : SPORT0187-2
Lab ID : 9610031-02
Matrix : Soil
Date Collected : 10/01/96
Date Received : 10/01/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JLS	10/05/96	1850	91721	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					
Extractable Organics											
Polynuclear Aromatic Hydrocarbons - 16 items											
Acenaphthene	U	0.00	166	331	ug/kg	1.0	BDG	10/10/96	1926	91877	2
Acenaphthylene	U	0.00	166	331	ug/kg	1.0					
Anthracene	U	0.00	166	331	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	166	331	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	166	331	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	166	331	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	166	331	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	166	331	ug/kg	1.0					
Chrysene	U	0.00	166	331	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	166	331	ug/kg	1.0					
Fluoranthene	U	0.00	166	331	ug/kg	1.0					
Fluorene	U	0.00	166	331	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	166	331	ug/kg	1.0					
Naphthalene	U	0.00	166	331	ug/kg	1.0					
Phenanthrene	U	0.00	166	331	ug/kg	1.0					
Pyrene	U	0.00	166	331	ug/kg	1.0					

The following prep procedures were performed:
GC/MS Base/Neutral Compounds DDT 10/08/96 2345 91877 3

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GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
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: NPWC00196 Report Date: October 14, 1996

Sample ID : SPORT0187-2

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	49.5	(30.0 - 115.)
Nitrobenzene-d5	M610	39.5	(23.0 - 120.)
p-Terphenyl-d14	M610	90.4	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	111.	(59.7 - 159.)
Dibromofluoromethane	BTEX-8260	105.	(74.0 - 128.)
Toluene-d8	BTEX-8260	111.	(53.4 - 163.)
Bromofluorobenzene	NAP-8260	111.	(59.7 - 159.)
Dibromofluoromethane	NAP-8260	105.	(74.0 - 128.)
Toluene-d8	NAP-8260	111.	(53.4 - 163.)

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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N^ [illegible]C00196

CBPB

CHAIN OF CUSTODY RECORD

9609448

General Engineering [illegible]tories, Inc.
2040 Savage Road
Charleston, South Car[illegible] 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

Page 1 of 1

Client Name/Facility Name: SPORT ENV DETCUASN

Collected by/Company: R ADKINS SPORT ENV DETCUASN

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

CCL 23386

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	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	PAH	BTEX & NAPTH	Remarks
01	SPORT0172-1	9/20/96	1400		X		x	2																x	x	NH UST 63-1 SOIL
02	SPORT0172-2	9/20/96	1400		X		x	2																x	x	UST NH63-2 SOIL
03	SPORT0172-3	9/20/96	1400		X		x	2																x	x	UST NH63-3 SOIL
04	SPORT0172-4	9/20/96	1400		X		x	2																x	x	UST NH63-4 SOIL
05	SPORT0172-5	9/20/96	1400		X		x	2																x	x	UST NH63-5 SOIL
06	SPORT0172-6	9/20/96	1400		X		x	2																x	x	UST NH63-6 SOIL
07	SPORT0172-7	9/20/96	1250				x	2																	x	UDA TRIP BLANK UST NH63

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
R E Adkins	9/20/96	1455	Fred S. McGee, Jr.	Fred S. McGee, Jr.	9/23/96	1510	Catharine H Lil

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
Catharine Lil	9-23-96	16:10	Karen Blakeney	9-23-96	16:11	Temp 90

White = sample collector Yellow = file Pink = with report

N[illegible]C 00196

1LB73

CHAIN OF CUSTODY RECORD

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Caro. [illegible]4
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

Page 1 of 1

9610031

Client Name/Facility Name: SPORTENVDETCHASN

Collected by/Company: SPORTENVDETCHASN

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

CCL 23499

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	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 + NAPTHALENE	PAH	Remarks	
-01	SPORTØ187-1	10/1/96	113Ø		X		X	Z																X	X	UST ~~63~~ WRH NH63-7 Soil	.1
-02	SPORTØ187-2	10/1/96	113Ø		X		X	Z																X	X	UST NH63-8 Soil	.1

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	10/1/96	1155	W.R. Hiers, Jr.	W.R. Hiers, Jr.	10/1/96	1426	[signature]

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
[signature]	10/1/96	14:55	[signature]	10-1-96	1455	SEE SPORTØ186 FOR TRIP BLANKS.

White = sample collector Yellow = file Pink = with report

Attachment III

Certificate of Disposal (tanks)

UST Certificate of Disposal

CONTRACTOR

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

Telephone (803) 743-6482

TANK ID & LOCATION

NH63-2, Charleston Naval Base, Avenue H, N. Charleston, SC.

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK	SIZE (GAL)
Diesel	560 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, cut into sections, 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 Ladson 1/-7-97

Sidney Ladson (Name) (Date)

UST Certificate of Disposal

CONTRACTOR

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

Telephone (803) 743-6482

TANK ID & LOCATION

NH63-1, Charleston Naval Base, Avenue H, N. Charleston, SC.

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK	SIZE (GAL)
Gasoline	560 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, cut into sections, 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 1-7-97

Sidney Ladson (Name) (Date)