N60201.AR.000431
NS MAYPORT
5090.3a

# ADDENDUM 3 TO CONTAMINATION ASSESSMENT REPORT FOR BUILDING 1490 SIMA SHOPS NS MAYPORT FL

9/1/1998

U S ARMY CORPS OF ENGINEERS

# ADDENDUM 3
# TO
# CONTAMINATION ASSESSMENT REPORT

## MAYPORT NAVAL STATION
## BUILDING 1490 - SIMA SHOPS

## JACKSONVILLE, FLORIDA

**PREPARED FOR**

**UNITED STATES NAVY**
**SOUTHERN DIVISION**
**NAVAL FACILITIES ENGINEERING COMMAND**
**CHARLESTON, SOUTH CAROLINA**

**PREPARED BY**

**U.S. ARMY CORPS OF ENGINEERS**
**SAVANNAH DISTRICT**
**SAVANNAH, GEORGIA**

**SEPTEMBER 1998**

## BACKGROUND

This addendum to the Contamination Assessment Report (CAR) for Building 1490 (SIMA Shops) at Mayport Naval Station, Mayport, Florida is a result of a request from the Florida Department of Environmental Protection (FDEP) to perform supplemental assessment work subsequent to the removal of the underground storage tank (UST) at the site. A copy of the FDEP request, and comments based on their review of the CAR can be found in attachment 1. A copy of the UST Closure Report is contained in attachment 5.

The UST at the site was removed in June of 1997. During the removal of the UST, five of the six existing monitoring wells at the site were destroyed. These wells were replaced approximately in their previous locations, except for offsets due to obstructions.

## RESULTS OF SUPPLEMENTAL ASSESSMENT

Figure 1 (attachment 2) is a data summary map of the site showing locations of the re-installed wells, MAY-1490-1A, MAY-1490-2A, MAY-1490-3A, MAY-1490-5D and MAY-1490-6A. Remaining well MAY-1490-4 is also shown. Monitoring well construction information is contained in table 1 (attachment 3). Installation logs of the monitoring wells are located in attachment 4.

The re-installed wells and remaining well MAY-1490-4 were re-sampled on 11 May 1998 for EPA methods 8260, 8310, and 418.1. A summary of the analytical results is contained in table 2 (attachment 6). Laboratory analytical data sheets are in attachment 7. These results indicate that all parameters analyzed for in the wells were below detection limits, with the exception of methylene chloride, which is believed to be due to laboratory contamination.

Ground-water level readings taken during the sampling event are shown on figure 1, and indicate that the slight gradient at the site is still somewhat to the west-southwest toward the ship basin.

## SUMMARY OF SUPPLEMENTAL ASSESSMENT

The supplemental re-sampling and laboratory analysis of these wells indicates that there is apparently very little if any remaining ground-water contamination at the site.

Based on the findings of this supplemental work, a No Further Action Proposal (NFAP) is recommended for the site.

## LIST OF ATTACHMENTS


- ATTACHMENT 1 - FDEP COMMENTS AND REQUEST FOR SUPPLEMENTAL ASSESSMENT
- ATTACHMENT 2 – FIGURE 1 - DATA SUMMARY MAP
- ATTACHMENT 3 – TABLE 1 – MONITORING WELL DATA
- ATTACHMENT 4 – MONITORING WELL INSTALLATION LOGS
- ATTACHMENT 5 – UST CLOSURE REPORT
- ATTACHMENT 6 – TABLE 2 – SUMMARY OF GROUND-WATER ANALYTICAL RESULTS
- ATTACHMENT 7 - LABORATORY ANALYTICAL RESULTS

ATTACHMENT 1

FDEP COMMENTS AND REQUEST FOR SUPPLEMENTAL ASSESSMENT

# Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary


October 25, 1994

Mr. Bryan Kizer
Code 1842
Southern Division
Naval Facilities Engineering Command
Post Office Box 190010
North Charleston, South Carolina 29419-9010

RE: Contamination Assessment Report (CAR) Addendum 2, Monitoring Only Plan for Building 1490-Sima Shops Naval Station Mayport, Florida

Dear Mr. Kizer:

I have reviewed the referenced document dated August 1994 (received September 12, 1994). In order to meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.), the following comments need to be addressed:

1. The new well (May-1490-6) should be surveyed, elevation acquired, and current groundwater flow map(s) provided.

2. What is the scheduled date for the tank removal?

3. Subsequent to the removal of the tank and any excessively contaminated soil (documentation of soil removal required), the following should be performed:

   a. At a minimum, samples from MPT-1490-1, MPT-1490-2, May-1490-2, and May-1490-6 should be analyzed using EPA Methods 602, 610 and 418.1.

   b. Consult groundwater flow map to confirm flow direction. Sample additional wells if the groundwater flow map indicates the need for further confirmation.

   c. If analytical results indicate levels are below regulatory standards submit a NFA for this site.

If I can be of any further assistance in this matter, please contact me at (904) 488-3935.

Sincerely,

Bruce Arnett

Bruce Arnett
Remedial Project Manager

/baa

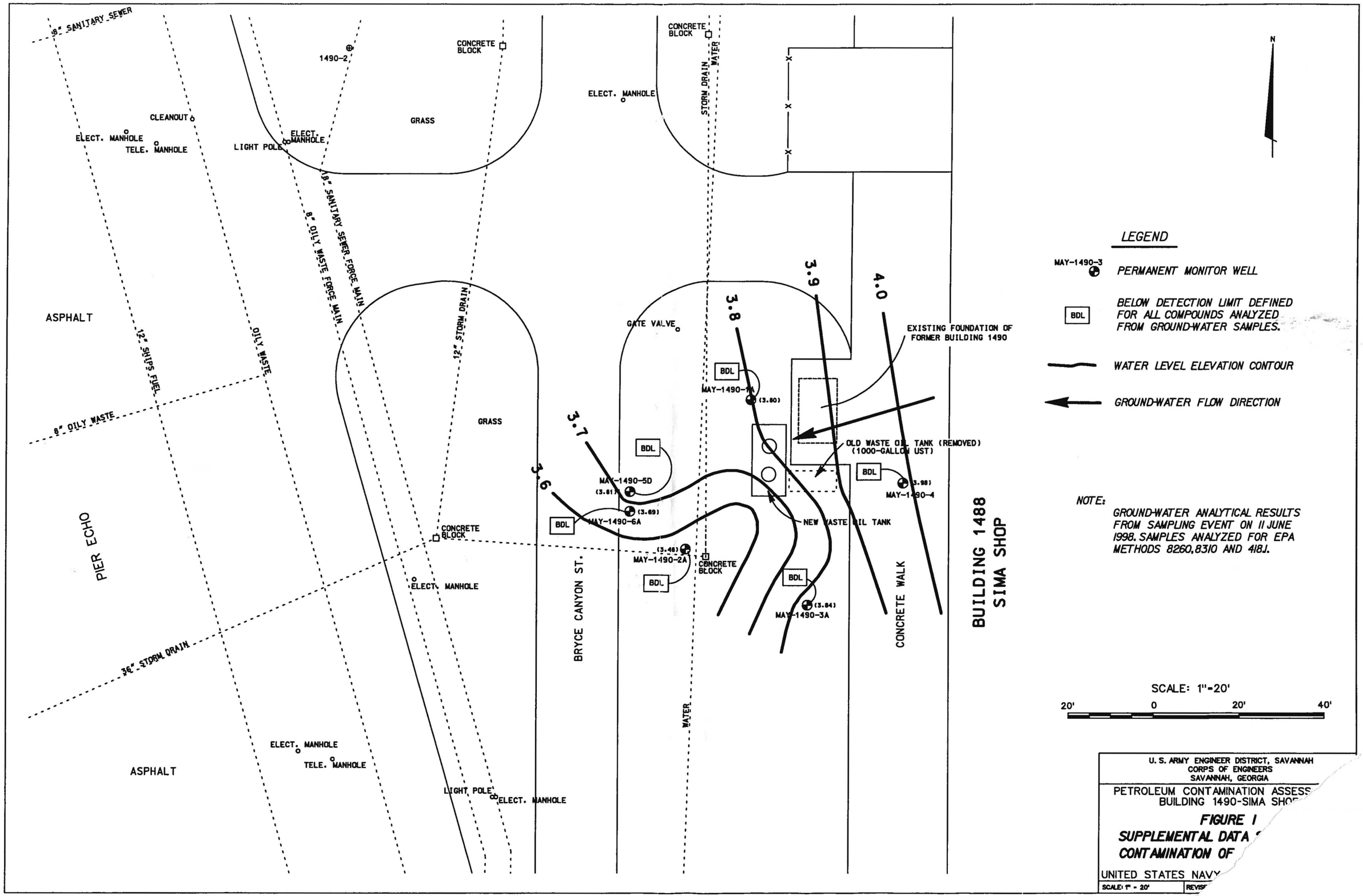
cc: Cheryl Mitchell, Naval Station Mayport
Brian Cheary, FDEP Northeast District
Jerry Young, City of Jacksonville
John Mitchell, FDEP Natural Resource Trustee

TJB TB JJC JJC ESN ESN

*Printed on recycled paper.*

ATTACHMENT 2

FIGURE 1 - DATA SUMMARY MAP


9" SANITARY SEWER
1490-2
CONCRETE BLOCK
CONCRETE BLOCK
ELECT. MANHOLE
STORM DRAIN
WATER
CLEANOUT
ELECT. MANHOLE
TELE. MANHOLE
LIGHT POLE
ELECT. MANHOLE
GRASS
18" SANITARY SEWER FORCE MAIN
8" OILY WASTE FORCE MAIN
ASPHALT
12" SHIPS FUEL
OILY WASTE
12" STORM DRAIN
GATE VALVE
3.9
4.0
3.8
EXISTING FOUNDATION OF FORMER BUILDING 1490
BDL
MAY-1490-1A
(3.80)
OLD WASTE OIL TANK (REMOVED) (1000-GALLON UST)
8" OILY WASTE
GRASS
3.7
BDL
BDL
MAY-1490-5D
(3.81)
(3.98)
MAY-1490-4
3.6
(3.69)
MAY-1490-6A
BDL
NEW WASTE OIL TANK
CONCRETE BLOCK
(3.46)
MAY-1490-2A
CONCRETE BLOCK
BDL
BDL
(3.84)
MAY-1490-3A
PIER ECHO
ELECT. MANHOLE
BRYCE CANYON ST.
CONCRETE WALK
BUILDING 1488
SIMA SHOP
36" STORM DRAIN
WATER
ELECT. MANHOLE
TELE. MANHOLE
ASPHALT
LIGHT POLE
ELECT. MANHOLE
N
LEGEND
MAY-1490-3
PERMANENT MONITOR WELL
BDL
BELOW DETECTION LIMIT DEFINED FOR ALL COMPOUNDS ANALYZED FROM GROUND-WATER SAMPLES.
WATER LEVEL ELEVATION CONTOUR
GROUND-WATER FLOW DIRECTION
NOTE:
GROUND-WATER ANALYTICAL RESULTS FROM SAMPLING EVENT ON 11 JUNE 1998. SAMPLES ANALYZED FOR EPA METHODS 8260, 8310 AND 418J.
SCALE: 1"=20'
20' 0 20' 40'
U. S. ARMY ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA
PETROLEUM CONTAMINATION ASSESS
BUILDING 1490-SIMA SHO
FIGURE 1
SUPPLEMENTAL DATA
CONTAMINATION OF
UNITED STATES NAVY
SCALE: 1" = 20'
REVISE

ATTACHMENT 3

TABLE 1 – MONITORING WELL DATA

TABLE 1

MONITORING WELL DATA

BUILDING 1490
MAYPORT NAVAL STATION
MAYPORT, FLORIDA

11 MAY 1998

| Well No. | Total Depth of Well BLS (ft.) | Top of Casing to Ground Surface (ft.) | Surveyed Top of Casing Elevation (msl) | Screened Interval BLS (ft.) | Depth to Water from Top of Casing (ft.) | Elevation of Water Table (msl) |
|---|---|---|---|---|---|---|
| | | | | | | |
| MAY-1490-1A | 12.62 | Flush | 8.05 | 2.0 – 11.5 | 4.25 | 3.80 |
| | | | | | | |
| MAY-1490-2A | 12.10 | " | 6.96 | 1.8 – 11.3 | 3.50 | 3.46 |
| | | | | | | |
| MAY-1490-3A | 12.31 | " | 7.49 | 1.8 – 11.3 | 3.65 | 3.84 |
| | | | | | | |
| MAY-1490-4 | 12.82 | " | 8.93 | 3.4 – 12.4 | 4.95 | 3.98 |
| | | | | | | |
| MAY-1490-5D | 22.55 | " | 7.14 | 17.2 – 21.7 | 3.33 | 3.81 |
| | | | | | | |
| MAY-1490-6A | 12.44 | " | 7.12 | 1.9 – 11.4 | 3.43 | 3.69 |
| | | | | | | |

Notes: - BLS = Below Land Suurface
- flush = Level with ground surface

ATTACHMENT 4

MONITORING WELL INSTALLATION LOGS

SOUTHERN DIVISION NAVAL FACILITIES

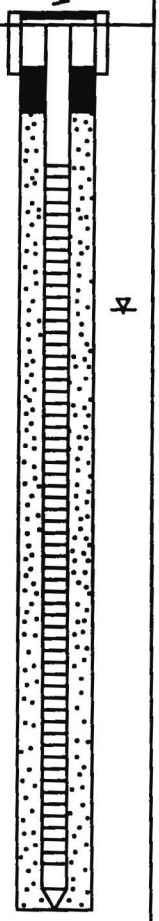
# GROUNDWATER MONITORING WELL INSTALLATION REPORT

| | | | |
|---|---|---|---|
| **TITLE:** Mayport Naval Station Bldg. 1490-SIMA Shops | | **LOG of WELL:** MAY-1490-1A | **BORING NO.** |
| **CLIENT:** SOUTHNAVFACENGCOM | | | **PROJECT NO:** |
| **CONTRACTOR:** USACE - Sav. District | | **DATE STARTED:** 6 MAY 98 | **COMPLTD:** 6 MAY 98 |
| **METHOD:** 7" O.D. HSA | **CASE SIZE:** 2" PVC | **SCREEN INT.:** 2.0'-11.5' | **PROTECTION LEVEL:** D |
| **TOC ELEV.:** 8.05' | **MONITOR INST.:** OVA | **TOT. DEPTH:** 12.6' | **DEPTH TO** ∇ 4.0' |
| **LOGGED BY:** J. BIDDLE | **WELL DEVELOPMENT DATE:** 8 MAY 98 | | **SITE:** Bld. 1490 |

| DEPTH FT. | LABORATORY SAMPLE ID. | SAMPLE | RECOVERY | HEADSPACE (ppm) | SOIL/ROCK DESCRIPTION | LITHOLOGIC SYMBOL | SOIL CLASS | BLOWS/6-IN |
|---|---|---|---|---|---|---|---|---|
| | | | | | (SP) Brown, fine grained, poorly graded sand, no odor. | | SP | |
| | | | | | With some small clay balls and shell fragments. | | | |
| | | | | | Light brown and light gray. | | | |
| | | | | | Light gray, saturated. | | | |
| 5 | | | | | Brown, organic odor. | | | |
| | | | | | Gray and brown. | | | |
| | | | | | (SM) Brown, fine grained, silty sand, organic odor. | | SM | |
| | | | | | Light brown, odor of $H_2S$. | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |

NOTE:
SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

WELL DATA





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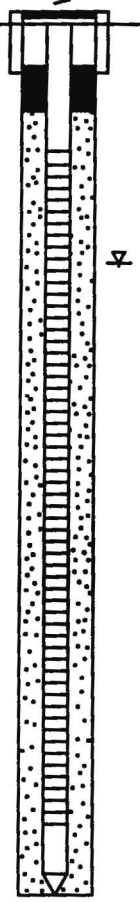
SOUTHERN DIVISION NAVAL FACILITIES

# GROUNDWATER MONITORING WELL INSTALLATION REPORT

| | | | |
|---|---|---|---|
| **TITLE:** Mayport Naval Station Bldg. 1490-SIMA Shops | | **LOG of WELL:** MAY-1490-2A | **BORING NO.** |
| **CLIENT:** SOUTHNAVFACENGCOM | | | **PROJECT NO:** |
| **CONTRACTOR:** USACE - Sav. District | | **DATE STARTED:** 6 MAY 98 | **COMPLTD:** 6 MAY 98 |
| **METHOD:** 7" O.D. HSA | **CASE SIZE:** 2" PVC | **SCREEN INT.:** 1.8'-11.3' | **PROTECTION LEVEL:** D |
| **TOC ELEV.:** 6.96' | **MONITOR INST.:** OVA | **TOT. DEPTH:** 12.1' | **DEPTH TO ∇** 3.3' |
| **LOGGED BY:** J. BIDDLE | **WELL DEVELOPMENT DATE:** 8 MAY 98 | | **SITE:** Bld. 1490 |

| DEPTH FT. | LABORATORY SAMPLE ID. | SAMPLE | RECOVERY | HEADSPACE (ppm) | SOIL/ROCK DESCRIPTION | LITHOLOGIC SYMBOL | SOIL CLASS | BLOWS/6-IN |
|---|---|---|---|---|---|---|---|---|
| | | | | | (SP) Brown, fine grained, poorly graded sand, no odor. | | SP | |
| | | | | | Wet. | | | |
| | | | | | Tan with some shell fragments. | | | |
| | | | | | Brown. | | | |
| 5 | | | | | With odor of $H_2S$. | | | |
| | | | | | (SM) Brown, fine grained, silty sand, odor of $H_2S$. | | SM | |
| 10 | | | | | | | | |
| 15 | | | | | NOTE: SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. | | | |
| 20 | | | | | | | | |

WELL DATA





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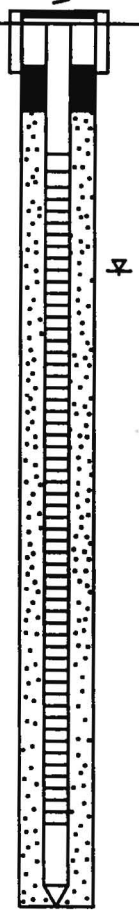
# SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND
# GROUNDWATER MONITORING WELL INSTALLATION REPORT

| | | | |
|---|---|---|---|
| **TITLE:** Mayport Naval Station Bldg. 1490-SIMA Shops | | **LOG of WELL:** MAY-1490-3A | **BORING NO.** |
| **CLIENT:** SOUTHNAVFACENGCOM | | | **PROJECT NO:** |
| **CONTRACTOR:** USACE - Sav. District | | **DATE STARTED:** 6 MAY 98 | **COMPLTD:** 6 MAY 98 |
| **METHOD:** 7" O.D. HSA | **CASE SIZE:** 2" PVC | **SCREEN INT.:** 1.8'-11.3' | **PROTECTION LEVEL:** D |
| **TOC ELEV.:** 7.49' | **MONITOR INST.:** OVA | **TOT. DEPTH:** 12.3' | **DEPTH TO ∇** 3.5' |
| **LOGGED BY:** J. BIDDLE | **WELL DEVELOPMENT DATE:** 8 MAY 98 | | **SITE:** Bld. 1490 |

| DEPTH FT. | LABORATORY SAMPLE ID. | SAMPLE | RECOVERY | HEADSPACE (ppm) | SOIL/ROCK DESCRIPTION | LITHOLOGIC SYMBOL | SOIL CLASS | BLOWS/6-IN |
|---|---|---|---|---|---|---|---|---|
| | | | | | (SM) Gray, fine grained, silty sand, no odor. | | SM | |
| | | | | | (SP) Light brown, fine grained, poorly graded sand. | | SP | |
| | | | | | Brown, very damp. | | | |
| 5 | | | | | (SM) Brown, fine grained, silty sand with some clay balls. | | SM | |
| | | | | | Organic odor. | | | |
| | | | | | Odor of $H_2S$. | | | |
| 10 | | | | | Strong odor of $H_2S$. | | | |
| 15 | | | | | NOTE: SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. | | | |
| 20 | | | | | | | | |

WELL DATA





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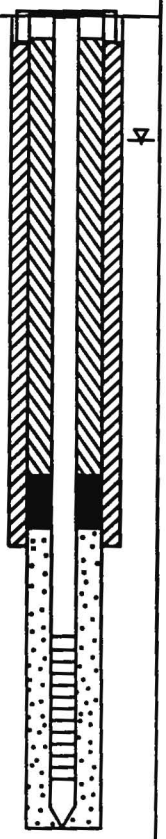
SOUTHERN DIVISION NAVAL FACILITIES

# GROUNDWATER MONITORING WELL INSTALLATION REPORT

| | | | |
|---|---|---|---|
| **TITLE:** Mayport Naval Station Bldg. 1490, SIMA Shops | | **LOG of WELL:** MAY-1490-5D | **BORING NO.** |
| **CLIENT:** SOUTHNAVFACENGCOM | | | **PROJECT NO:** |
| **CONTRACTOR:** USACE - Sav. District | | **DATE STARTED:** 7 MAY 98 | **COMPLTD:** 7 MAY 98 |
| **METHOD:** 7" O.D. | **CASE SIZE:** 2" PVC | **SCREEN INT.:** 17.2' to 21.7' | **PROTECTION LEVEL:** D |
| **TOC ELEV.:** 7.14' | **MONITOR INST.:** OVA | **TOT. DEPTH:** 22.6' | **DEPTH TO ▽** 3.03' |
| **LOGGED BY:** J. BIDDLE | **WELL DEVELOPMENT DATE:** 8 MAY 98 | | **SITE:** Bld. 1490 |

| DEPTH FT. | LABORATORY SAMPLE ID. | SAMPLE | RECOVERY | HEADSPACE (ppm) | SOIL/ROCK DESCRIPTION | LITHOLOGIC SYMBOL | SOIL CLASS | BLOWS/6-IN |
|---|---|---|---|---|---|---|---|---|
| | | | | | (SM) Brown, fine grained, silty sand. | | SM | |
| | | | | | Saturated, with some shell fragments. | | | |
| 5 | | | | | Gravel. | | | |
| 10 | | | | | (SP) Tan, fine grained, poorly graded sand. | | SP | |
| | | | | | Brown and tan. | | | |
| 15 | | | | | Light tan and gray. | | | |
| | | | | | Light gray, very fine grained. | | | |
| | | | | | Fine grained. | | | |
| 20 | | | | | | | | |
| 25 | | | | | NOTE: SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. | | | |
| 30 | | | | | | | | |
| 35 | | | | | | | | |
| 40 | | | | | | | | |

WELL DATA





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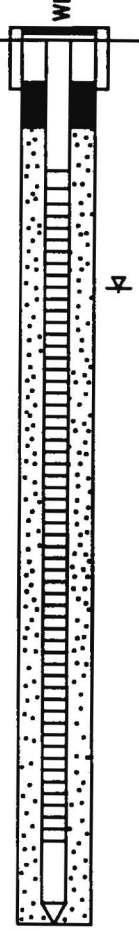
# SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND
# GROUNDWATER MONITORING WELL INSTALLATION REPORT

| | | | |
|---|---|---|---|
| **TITLE:** Mayport Naval Station Bldg. 1490-SIMA Shops | | **LOG of WELL:** MAY-1490-6A | **BORING NO.** |
| **CLIENT:** SOUTHNAVFACENGCOM | | | **PROJECT NO:** |
| **CONTRACTOR:** USACE - Sav. District | | **DATE STARTED:** 7 MAY 98 | **COMPLTD:** 7 MAY 98 |
| **METHOD:** 7" O.D. HSA | **CASE SIZE:** 2" PVC | **SCREEN INT.:** 1.9'-11.4' | **PROTECTION LEVEL:** D |
| **TOC ELEV.:** 7.12' | **MONITOR INST.:** OVA | **TOT. DEPTH:** 12.4' | **DEPTH TO ∇** 3.4' |
| **LOGGED BY:** J. BIDDLE | **WELL DEVELOPMENT DATE:** 8 MAY 98 | | **SITE:** Bld. 1490 |

| DEPTH FT. | LABORATORY SAMPLE ID. | SAMPLE | RECOVERY | HEADSPACE (ppm) | SOIL/ROCK DESCRIPTION | LITHOLOGIC SYMBOL | SOIL CLASS | BLOWS/6-IN |
|---|---|---|---|---|---|---|---|---|
| | | | | | (SM) Gray, fine grained, silty sand, no odor. | | SM | |
| | | | | | (SP) Light brown, fine grained, poorly graded sand. | | SP | |
| | | | | | Brown, very damp. | | | |
| 5 | | | | | | | | |
| | | | | | Organic odor. | | | |
| | | | | | Odor of $H_2S$. | | | |
| 10 | | | | | Strong odor of $H_2S$. | | | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |

NOTE:
SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

WELL DATA





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ATTACHMENT 5

UST CLOSURE REPORT

# OIL/WATER SEPARATOR CLOSURE ASSESSMENT REPORT, BUILDING SEMI 1488
# MAYPORT NAVAL STATION
# MAYPORT, FLORIDA
# GEOSCIENCES JOB NO. MCE-96-568A

**Prepared For**

**OMEGA ENVIRONMENTAL SERVICES, INC.**
**4661 HAMMERMILL ROAD**
**SUITE B**
**TUCKER, GEORGIA 30084**

**Prepared By**

**GEOSCIENCES, INC.**
**5021 MERCER UNIVERSITY DRIVE**
**SUITE D-2**
**MACON, GEORGIA 31210**

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MAYPORT NAVAL STATION
MAYPORT, FLORIDA
BUILDING SEMI 1488
GEOSCIENCES JOB NO. MCE-96-568A


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|---|---|---|
| FORM 17-761.900(6), CLOSURE ASSESSMENT FORM | | |
| 1.0 | PROJECT INFORMATION | 1 |
| 2.0 | OIL/WATER SEPARATOR REMOVAL | 1 |
| 3.0 | SOIL SAMPLING METHODOLOGY AND QUALITY CONTROL MEASURES | 2 |
| 4.0 | CONFIRMATORY ANALYTICAL RESULTS | 2 |
| 5.0 | DISPOSITION OF EXCAVATED SOILS | 3 |
| 6.0 | FINAL DESTINATION OF UST AND RESIDUAL CONTENTS | 4 |
| 7.0 | CONCLUSIONS | 4 |

APPENDIX

APPENDIX I
FIGURE 1: SITE LOCATION MAP
FIGURE 2: SITE MAP, EXCAVATION AREA
FIGURE 3: SITE MAP, SAMPLE LOCATIONS/RESULTS

APPENDIX II
LABORATORY REPORTS

APPENDIX III
NOTIFICATION AND REGISTRATION FORMS

APPENDIX IV
MANIFESTS AND CERTIFICATES

Geosciences Inc.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

April 23, 1997

**Mr. Doug Driver**
**Omega Environmental Services, Inc.**
**4661 Hammermill Road**
**Suite B**
**Tucker, Georgia 30084**

**SUBJECT:** Petroleum Storage Tank Closure
Site Assessment Report, Building SEMI 1488: Oil-Water Separator
Mayport Naval Station
Mayport, Florida
**Geosciences Job No. MCE-96-568A**

**Dear Mr. Driver:**

Geosciences, Inc. is pleased to present this report of underground storage tank closure consulting services at the above referenced site. The enclosed Form 17-761.900(6) requires signatures and/or additional closure information from the UST owner and the closure contractor.

After the Closure Assessment Form is completed and signed, the report is suitable for submission to the Florida Department of Environmental Protection (FDEP). Within 60 days of completing the tank closure, the Closure Assessment Form and report must be filed with the FDEP locally-administered program office listed below:

Ms. Grace Torsanko
Regulatory Environmental Services
421 West Church Street, Suite 422
Jacksonville, FL 32202

Geosciences, Inc. greatly appreciates the opportunity to be of service to you on this project. If you have any questions, or need further assistance, please do not hesitate to call.

Very Truly Yours,
Geosciences, Inc.

John R. Scroggs

John R. Scroggs, G.I.T.
Staff Geologist

Travis A. Shepard, R.E.H.S.
Senior Environmental Specialist

Thomas E. Driver, P.E.
Senior Engineer

JRS/TAS/TED/ds

3202 Gillionville Road / Albany, GA 31707-2815 / (912) 432-5805 / Fax 432-7018
5021 Mercer University Dr., Suite D2 / Macon, GA 31210-5691 / (912) 757-1606 / Fax 757-1608
5731 Miller Court, Suite C / Columbus, GA 31909-4187 / (706) 569-0008 / Fax 569-0940
1306 Edgewood Drive / Valdosta, GA 31601-4368 / (912) 244-8619 / Fax 245-8170

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

# Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storage system closure assesment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incentive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

**Please Print or Type**
**Complete All Applicable Blanks**

1. Date: April 23, 1997
2. DER Facility ID Number: 16862008 3. County: Duval
4. Facility Name: Mayport Naval Station, SEMI Building 1488, Mayport, Florida 32228
5. Facility Owner: _____
6. Facility Address: _____
7. Mailing Address: _____
8. Telephone Number: (904) 270-6730 9. Facility Operator: _____
10. Are the Storage Tank(s): **(Circle one or both)** A. Aboveground or B. (Underground)
11. Type of Product(s) Stored: Waste Oil (Oil/Water Separator)
12. Were the Tank(s): **(Circle one)** (A. Replaced) B. Removed C. Closed In Place D. Upgraded (aboveground tanks only)
13. Number of Tanks Closed: 1 14. Age of Tanks: 16 YEARS

## Facility Assessment Information

| Yes | No | Not Applicable | |
|---|---|---|---|
| ☐ | ☒ | | 1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)? |
| ☐ | ☒ | | 2. Was a Discharge Reporting Form submitted to the Department? If yes, When: _____ Where: _____ |
| ☒ | ☐ | | 3. Is the depth to ground water less than 20 feet? |
| ☐ | ☒ | ☐ | 4. Are monitoring wells present around the storage system? If yes, specify type: ☑ Water monitoring ☐ Vapor monitoring |
| ☐ | ☒ | ☐ | 5. Is there free product present in the monitoring wells or within the excavation? |
| ☐ | ☐ | ☑ | 6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline? Specify sample type: ☐ Vapor Monitoring wells ☐ Soil sample(s) |
| ☐ | ☐ | ☑ | 7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene? Specify sample type: ☐ Vapor Monitoring wells ☐ Soil sample(s) |
| ☐ | ☑ | ☐ | 8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels? (See target levels on reverse side of this form and supply laboratory data sheets) |
| ☒ | ☐ | ☐ | 9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release? |
| ☒ | ☐ | | 10. Are any potable wells located within ¼ of a mile radius of the facility? |
| ☒ | ☐ | | 11. Is there a surface water body within ¼ mile radius of the site? If yes, indicate distance: Approx 150 - 20 |



Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794, 904-436-8300
Northeast District, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32207, 904-798-4200
Central District, 3319 Maguire Blvd. Suite 232, Orlando, Florida 32803-3767, 407-894-7555
Southwest District, 4520 Oak Fair Blvd., Tampa, Florida 33610-7347, 813-623-5561
South District, 2295 Bay St., Fort Myers, Florida 33901-2896, 813-332-6975
Southeast District, 1900 S. Congress Ave., Suite A, West Palm Beach, Florida 33406, 407-433-2650

## 1.0 PROJECT INFORMATION

Omega Environmental Services, Inc. (OES) of Tucker, Georgia has performed the closure of an Oil-Water Separator at Building SEMI 1488, Mayport Naval Station, Mayport, Florida. The work was commissioned by the Department of the Navy under contract specifications N62467-96-C-0740 and N62467-95-R-2500. A site map specific to the oil-water separator addressed in this report is included in Appendix I.

Omega Environmental's project manager for the work is John Mount, (770) 621-9414. The Installation Contracting Officer assigned to the project is Mr. Milton Harris, (904) 270-5441. Ms. Grace Torsanko, official with the locally-administered FDEP Tank Program Office (904) 630-3404, met with Geosciences at the sites, or coordinated with Geosciences field personnel for all petroleum storage system closures performed under this contract. Additional contact information is provided on the FDEP Closure Assessment Form included with this report.

OES retained Geosciences, Inc. to perform Closure Assessments, conduct soil/groundwater sampling/testing, and, upon completion of the project, submit Closure Assessment Reports to OES and the Mayport Naval Station Contracting Office for signatures.

This report is intended to meet the general FDEP guidelines for Petroleum Storage Tank Closure Assessment requirements. The FDEP Quality Assurance Standard Operating Procedures for Petroleum Storage System Closure Assessments was used in conjunction with the FDEP guidelines to compile this Closure Assessment Report.

## 2.0 OIL/WATER SEPARATOR REMOVAL

OES removed a 1500 gallon oil/water separator on February 26, 1997. A backhoe was used to excavate down to the top of the separator. The separator was then purged of practically all remaining product and residuals by a vacuum truck. After essentially all residuals were removed, the separator was lifted from the excavation.

Since the oil/water separator contained only waste oil, standard headspace analysis using a photoionization detector was not conducted. During the excavation activities, soils potentially contaminated by petroleum fuel hydrocarbons were visually observed for indications of contamination by a Geosciences staff professional. These soils were segregated from "clean" soils for analytical testing and possible remediation or disposal. Approximately 495 tons of contaminated soils were removed from the site and shipped to Kedesh, in Kingsland, Georgia, for treatment and disposal.

After overexcavation, soils observed at the excavation limits of the oil/water separator did not appear to be visually contaminated. The excavation activities were terminated and confirmatory samples were collected.

## 3.0 SAMPLING METHODOLOGY AND QUALITY CONTROL MEASURES

On February 26, 1997, three soil samples were collected from native soils at the base of the excavation below the former oil/water separator. A groundwater sample was collected on February 27, 1997 from a temporary monitoring well installed directly adjacent to the excavation limits on the downgradient side. The approximate sample locations, as well as the location of the temporary monitoring well are shown on Figure (3), Appendix I.

Every effort was made to collect soil samples in a manner that did not unnecessarily disturb the internal structure of the soil and that reduced sample exposure to sunlight and open air. When possible, a decontaminated stainless steel hand auger was used to obtain the samples. However, for safety reasons, it was sometimes necessary to collect a sample from the backhoe bucket. A decontaminated stainless steel spoon was used to collect these samples. Disposable gloves were worn during each sampling event and the gloves were changed between samples.

Sampling equipment was decontaminated by washing with a laboratory grade detergent solution and rinsing with tap water. This was followed by rinsing with insecticide grade isopropanol, and the equipment was allowed to air dry before use.

Immediately upon extraction from the ground, each sample was placed in the appropriate laboratory supplied, vapor and fluid tight container. After labeling the containers with inedible ink, the samples were placed in an insulated chest full of ice and kept on ice throughout shipment to Envirolab, Inc., via Federal Express overnight delivery.

The temporary monitoring well was constructed of two inch I.D. PVC riser pipe with a 5 foot screened interval of 0.010 inch machine-slotted PVC at the base. A decontaminated, stainless steel hand auger was used to advance a boring down into the groundwater. The well casing was lowered into the borehole until the screened interval of the well intersected the top of the water table in the boring. The annular space was then backfilled with native material. The well was developed by purging three well volumes of water with a disposable teflon bailer. Approximately six hours later, a groundwater sample was collected from the well on February 27, 1997. Immediately upon extraction from the well, the sample was placed in the appropriate laboratory supplied, vapor and fluid tight containers. After labeling the containers with inedible ink, the samples were placed in an insulated chest full of ice and kept on ice throughout shipment to Envirolab, Inc., via Federal Express overnight delivery.

## 4.0 CONFIRMATORY ANALYTICAL RESULTS

The soil samples were submitted for analytical testing of Total Petroleum Hydrocarbons (TPH-9073), TCLP (Lead), and the Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituents using EPA Methods 8015, 1311, and 8020, respectively. A copy of the laboratory report and chain-of-custody is provided in Appendix III. The sampling points are referenced by the report number on Figure 3, Appendix I.

A summary of the sample results is as follows:

| REPORT NO. | LOCATION | DEPTH | TPH (418.1) | TCLP (LEAD) | BTEX |
|---|---|---|---|---|---|
| 9703002-1 | Center Base | 13 feet | BDL | BDL | BDL |
| 9703002-2 | North Base | 13 feet | 330 | BDL | BDL |
| 9703002-3 | West Base | 13 feet | 150 | BDL | BDL |

**Results in PPM**
**BDL=Below Detection Limit**

The groundwater sample was submitted for analytical testing of MTBE, total Xylenes, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene, using EPA Methods 602 and 610. A copy of the laboratory report and chain-of-custody is provided in Appendix III. The sampling point is referenced by the report number on Figure 3, Appendix I.

A summary of the sample results is as follows:

| REPORT NO. | LOCATION | DEPTH TO WATER | DEPTH TO BOTTOM | METHOD 602 (ppb) | METHOD 610 (ppb) |
|---|---|---|---|---|---|
| 9703001 | TEMPORARY WELL | 4 feet | 8 feet | Acenaphthene - 2.5<br>Benz(a)anthracene - 2.4<br>Benzo(a)pyrene - 1.1<br>1-Methylnaphthalene -2.7 | BDL |

**Results in Parts Per Billion (ppb)**
**BDL = Below Detection Limit**

## 5.0 DISPOSITION OF EXCAVATED SOILS

Approximately 495 tons of visually contaminated soil from the excavation at Building 1488 were stockpiled on plastic adjacent to the excavation during the removal activities. The contaminated soils were later transported to Kedesh for treatment and disposal. Copies of the disposal manifests are included in Appendix IV. The contaminated soil stockpile analytical results are included in Appendix II.

## 6.0 FINAL DESTINATION OF UST AND RESIDUAL CONTENTS

The removed oil/water separator was cleaned and demolished at the site. The demolished material was delivered to C&D Landfill, in Live Oak, Florida, by Bulldog Trucking, on March 15, 1997. A Certificate of Disposal signed by John Mount (OES) is provided in Appendix V.

As discussed in Section 2.0 of this report, residuals remaining in the separator were pumped into a vacuum truck by OES. The residuals were delivered to Industrial Water Services of Jacksonville, Florida for disposal. A copy of the manifest is included in Appendix V. Further information regarding the demolition and disposal of the oil/water separator, and disposal of the residuals can be obtained from John Mount (OES) at (770) 621-9414.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

This petroleum storage system closure was performed in general accordance with FDEP guidelines; the Quality Assurance, Standard Operating Procedures Manual, and verbal instructions from officials at the local Regulatory Environmental Services office.

Remedial overexcavation of visually contaminated soil was performed at this site. The excavated soils were disposed of at a FDEP-approved treatment/disposal facility.

Our assessment discovered sufficient contamination associated with the oil/water separator system to warrant evaluation as required by Chapter 17-770 Florida Administrative Code (F.A.C.). Since our assessment discovered a potential discharge, Discharge Reporting Forms (DEP Form 17-761.900(1) should be submitted to Ms Grace Torsanko, with the locally-administered FDEP Tank Program Office (904) 630-3404. Reporting the discharge and a formal contamination assessment are required by Chapter 17-770 F.A.C. when one or more of the following criteria is met:

- The total petroleum hydrocarbon vapor levels detected in a soil sample by FID or PID equivalent are greater than 500 ppm for the gasoline analytical group or greater than 50 ppm for the kerosene and mixed product analytical group.
- Free product or petroleum sheen is detected in a monitoring well or the tank excavation area.
- The groundwater target levels as specified in Chapter 17-770 F.A.C. have been exceeded.

The local FDEP program office will review this closure assessment, and provide a written response to the oil/water separator owner indicating whether or not they concur with the closure results and conclusions presented herein. If there are questions about the report, Geosciences, Inc. will be glad to respond through OES to provide additional information, and/or clarification.

# APPENDIX I

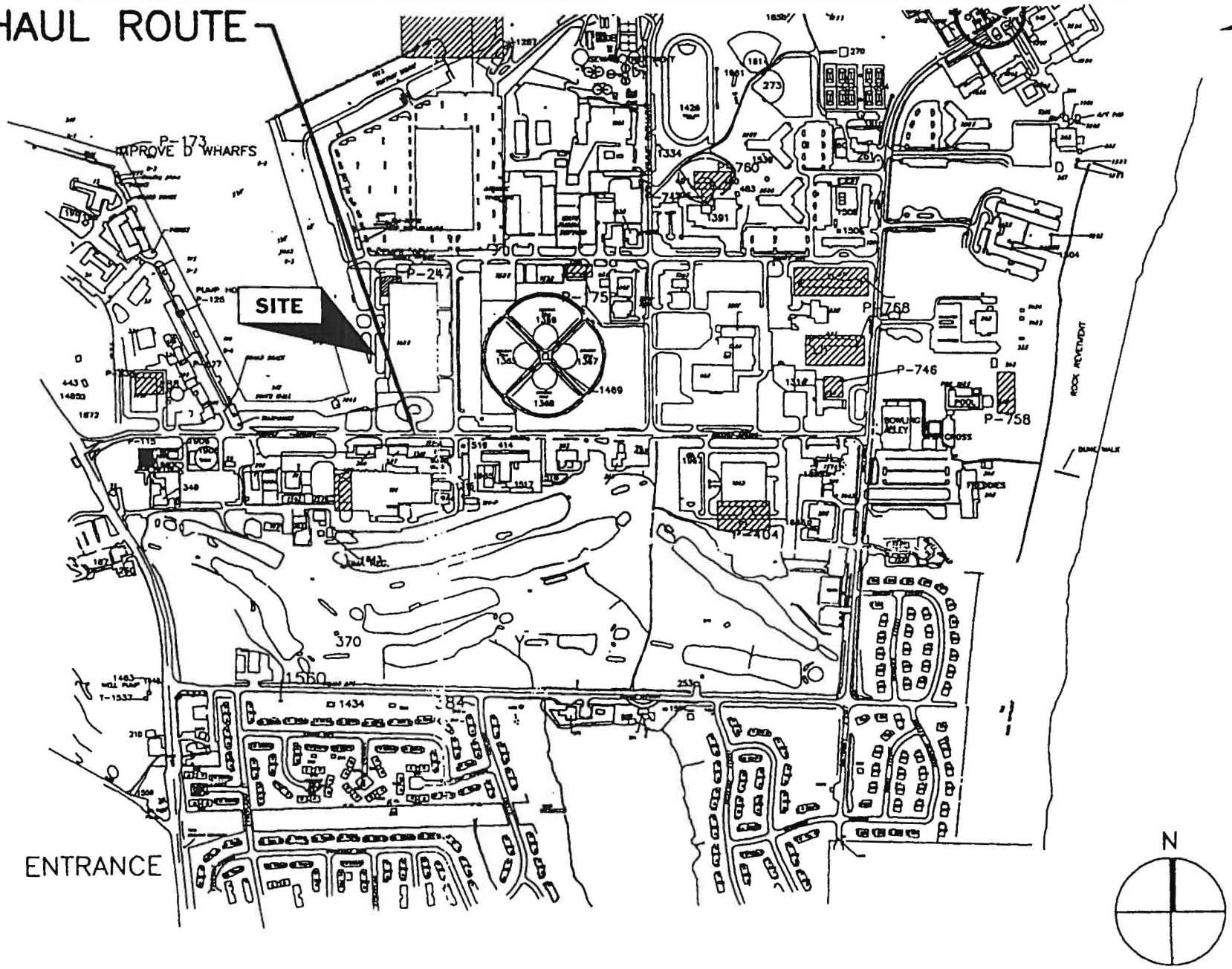



FIGURE 1
SITE LOCATION MAP - BLDG. 1488
MAYPORT NAVAL STATION
MAYPORT, FLORIDA
GEOSCIENCES JOB NO. MCF-96-568A

Geosciences inc.

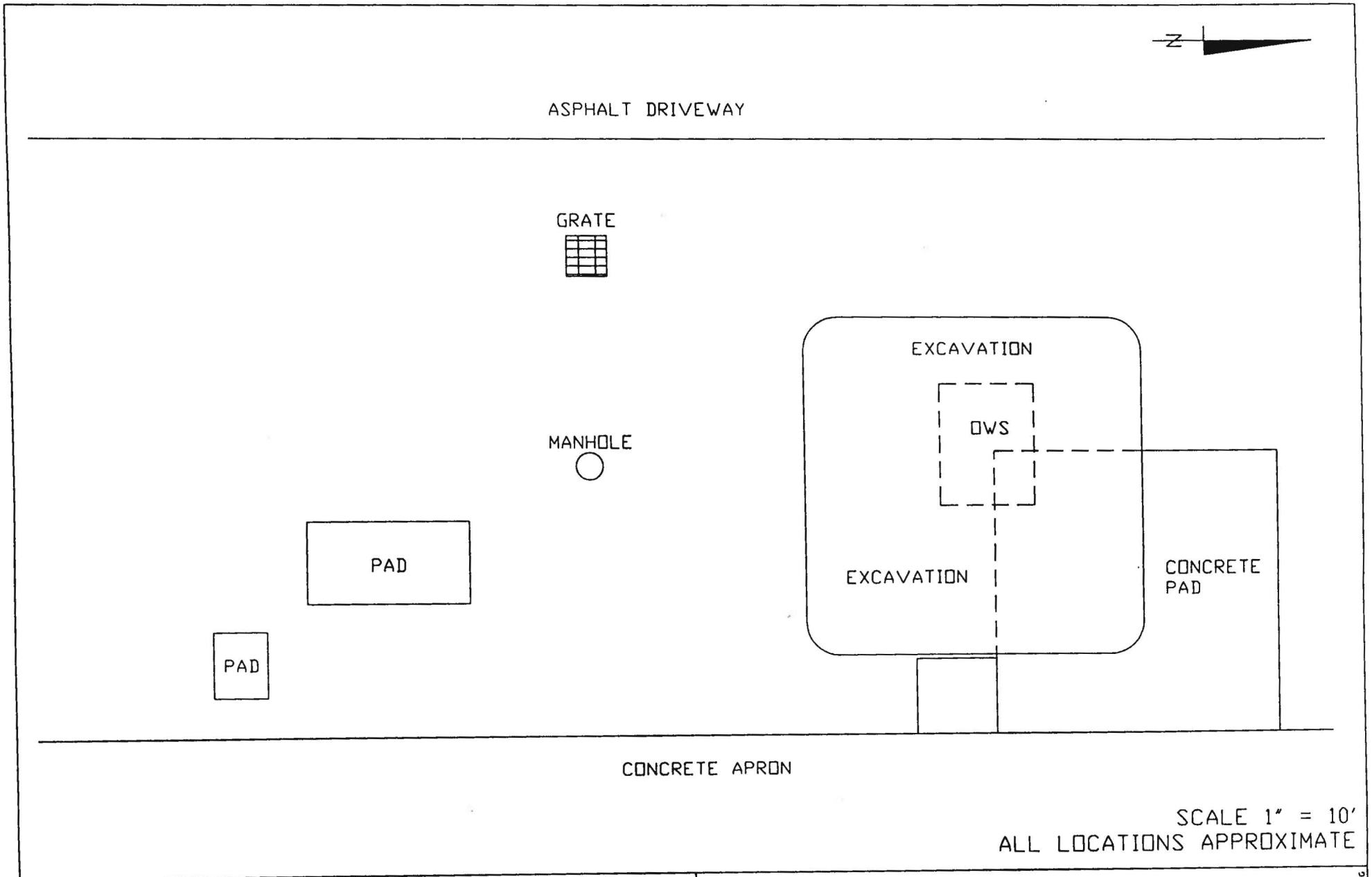
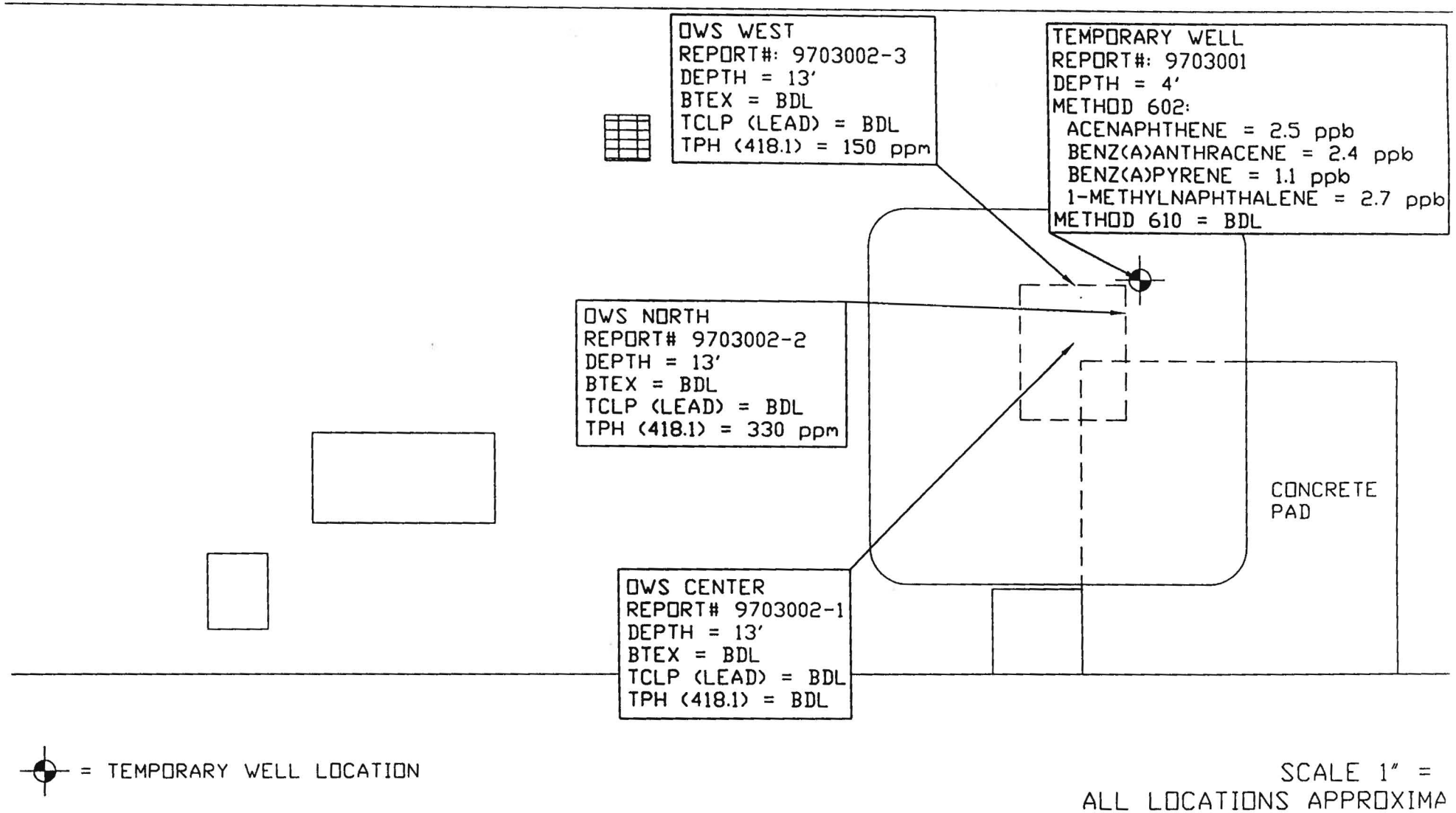



FIGURE 2
SITE PLAN - BLDG. 1488
MAYPORT NAVAL STATION
MAYPORT, FLORIDA
GEOSCIENCES JOB NO. MCF-96-568A

Geosciences inc.

C:\JOBS\MCF96568A\BLG1488A.DWG




= TEMPORARY WELL LOCATION

SCALE 1" =
ALL LOCATIONS APPROXIMA

FIGURE 3
SAMPLE LOCATIONS & RESULTS - BLDG. 1488
MAYPORT NAVAL STATION
MAYPORT, FLORIDA
GEOSCIENCES JOB NO. MCE-96-568A

Geosciences inc.

# APPENDIX II

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER, GA 30084

Drinking Water
HRS #63160
Environmental
HRS #E63079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9703000002
Date Received: 03/03/97
Date Reported: 03/05/97

Client's P.O. Number:
Project Number: MAYPORT
Project Name:

Lab Sample Number: 9703002 1
Client Sample Number: 1
Sample Description: OWS CENTER 13' SEMI 1488

Date Sampled: 02/26/97
Sample Matrix: SOLID

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| SM2540G | PERCENT SOLID | 82.0 | | % | 0.0 | LL | 03/03/97 | |
| 9073 | TRPH | <5.0 | | mg/kg | 5.0 | EM & BO | 03/05/97 | |
| 1311/7420 | LEAD (TCLP) | <1.0 | | mg/L | 1.0 | AA | 03/05/97 | |
| | TCLP EXTRACTION (METALS ONLY) | | | | | | | |
| 1311 | TCLP METALS LEACHATE GENERATION | 0.000 | | | | MS | 03/03/97 | |
| | BTEX VOLATILE ORGANICS | | | | | | | |
| 8020 | BENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | ETHYLBENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | TOLUENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | o-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | m-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | p-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |

Lab Sample Number: 9703002 2
Client Sample Number: 2
Sample Description: OWS NORTH 13' SEMI 1488

Date Sampled: 02/26/97
Sample Matrix: SOLID

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| SM2540G | PERCENT SOLID | 90.0 | | % | 0.0 | LL | 03/03/97 | |
| 9073 | TRPH | 330 | D | mg/kg | 25 | EM & BO | 03/05/97 | |
| 1311/7420 | LEAD (TCLP) | <1.0 | | mg/L | 1.0 | AA | 03/05/97 | |
| | TCLP EXTRACTION (METALS ONLY) | | | | | | | |
| 1311 | TCLP METALS LEACHATE GENERATION | 0.000 | | | | MS | 03/03/97 | |
| | BTEX VOLATILE ORGANICS | | | | | | | |
| 8020 | BENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | ETHYLBENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | TOLUENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084

Drinking Water
HRS #03160
Environmental
HRS #E83079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9703000002
Date Received: 03/03/97
Date Reported: 03/05/97

Client's P.O. Number:
Project Number: MAYPORT
Project Name:

Lab Sample Number: 9703002 2
Client Sample Number: 2
Sample Description: OWS NORTH 13' SEMI 1488

Date Sampled: 02/26/97
Sample Matrix: SOLID

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| | BTEX VOLATILE ORGANICS | | | | | | | |
| 8020 | o-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | m-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | p-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |

Data Qualifier Code Key:
D - Sample Was Diluted Due To The Concentration Of Analyte Exceeding Calibration Range Or The Presence Of Interference. Result And Detection Limit Were Corrected With Dilution Factor.

Lab Sample Number: 9703002 3
Client Sample Number: 3
Sample Description: OWS WEST 13' SEMI 1488

Date Sampled: 02/26/97
Sample Matrix: SOLID

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| SM2540G | PERCENT SOLID | 81.0 | | % | 0.0 | LL | 03/03/97 | |
| 9073 | TRPH | 150 | | mg/kg | 5.0 | EM & BO | 03/05/97 | |
| 1311/7420 | LEAD (TCLP) | <1.0 | | mg/L | 1.0 | AA | 03/05/97 | |
| | TCLP EXTRACTION (METALS ONLY) | | | | | | | |
| 1311 | TCLP METALS LEACHATE GENERATION | 0.000 | | | | MS | 03/03/97 | |
| | BTEX VOLATILE ORGANICS | | | | | | | |
| 8020 | BENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | ETHYLBENZENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | TOLUENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | o-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | m-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |
| 8020 | p-XYLENE | <0.50 | | ug/kg | 0.50 | RM | 03/03/97 | |

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

MR. H. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER, GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9703000002
Date Received: 03/03/97
Date Reported: 03/05/97

Client's P.O. Number:
Project Number: MAYPORT
Project Name:

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

## *Surrogate Percent Recovery*
## *Volatiles in Soil - 8020*

*Client Name:* Omega 97-03-002 *Date:* 3/3/97

| *Sample I.D.* | *1,4-Difluorobenzene (80-120)* | *4-Bromofluorobenzene (72-120)* | *Comments* |
|---|---|---|---|
| BLANK | 105 | 100 | |
| 97-03-002-1 | 112 | 114 | |
| 97-03-002-2 | 110 | 108 | |
| 97-03-002-3 | 107 | 92.5 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Volatiles: 0 out of 8 ;outside QC limits

## *Water Matrix Spike/Matrix Spike Duplicate Recovery*
## *Volatiles*

*Sample I.D.* 97-03-001-1 *(MS/MSD)*

| *Compound* | | *Conc. Spike Added(ug/L)* | *Sample Result* | *Conc. MS* | *%REC* | *Conc. MSD* | *%REC* | *% RPD* |
|---|---|---|---|---|---|---|---|---|
| *RPD Limit* | *REC Limit* | | | | | | | |
| *Chlorobenzene* | | | | | | | | |
| 20 | 61-134 | 25 | ND | 26.0 | 104 | 24.7 | 98.8 | 5.13 |
| *Toluene* | | | | | | | | |
| 20 | 62-135 | 25 | ND | 28.8 | 115 | 23.9 | 95.6 | 18.6 |
| *Benzene* | | | | | | | | |
| 20 | 80-130 | 25 | ND | 22.6 | 90.4 | 22.0 | 88.0 | 2.69 |

Volatiles: 0 out of 9 ;outside QC limits

*Comments:*

v:\data\admin\forms\qc\601602qc

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Puerto Rico: Mobile (809) [illegible]

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

# Quality Control Report

Client ID.:
OMEGA

Submis.: 9703000002

DATE: 3/5/97

| Parameter | Precision | | | | Accuracy | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sample I.D. | Rep A mg/L | Rep B mg/L | %RPD | Sample I.D. | Sample Conc. mg/L | MS Conc. mg/L | Spike Con. mg/L | %REC | Method bl mg/L |
| Alkalinity | | | | | | | | | | |
| Ammonia | | | | | | | | | | |
| BOD | | | | | | | | | | |
| Silica | | | | | | | | | | |
| Chloride | | | | | | | | | | |
| COD | | | | | | | | | | |
| Conductivity | | | | | | | | | | |
| Cyanide | | | | | | | | | | |
| Fluoride | | | | | | | | | | |
| Hex. Chromium | | | | | | | | | | |
| Kjeldahl Nitrogen | | | | | | | | | | |
| Nitrate | | | | | | | | | | |
| Nitrite | | | | | | | | | | |
| nd Grease | | | | | | | | | | |
| Ortho Phosphate | | | | | | | | | | |
| pH | | | | | | | | | | |
| Phenol | | | | | | | | | | |
| Sulfate | | | | | | | | | | |
| Hydrogen Sulfide | | | | | | | | | | |
| TDS | | | | | | | | | | |
| TOC | | | | | | | | | | |
| Surfactants | | | | | | | | | | |
| Total Phosphate | | | | | | | | | | |
| Total Solids | | | | | | | | | | |
| TRPH 418.1/9073 | 02398-1 | 2.53 | 2.53 | 0.000 | 02398-1MS | <0.500 | 2.53 | 2.50 | 97.2 | <0.500 |
| TSS | | | | | | | | | | |
| Turbidity | | | | | | | | | | |
| Oxidized Nitrogen | | | | | | | | | | |
| Odor | | | | | | | | | | |
| Flash Point | | | | | | | | | | |
| Color | | | | | | | | | | |

%REC = [(MS Conc.-Sample Conc.)/Spike Conc.]
* = Insufficient Sample to perform QC.

\\DATA\WETCHEM\QC\03002WET.XLS

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(904) 672-5668 • Fax (904) 673-4001

Puerto Rico: Mobile (809) 390-3505 • Beeper (809) 759-1255 • Unit #: 2148194

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER, GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9703000001
Date Received: 03/03/97
Date Reported: 03/06/97

Client's P.O. Number:
Project Number: MAYPORT
Project Name:

Lab Sample Number: 9703001 1
Client Sample Number: 1
Sample Description: OWS SEMI 1498

Date Sampled: 02/27/97
Sample Matrix: GROUND WATER

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| | POLYNUCLEAR AROMATIC HYDROCARBONS | | | | | | | |
| 610 | ACENAPHTHENE | 2.5 | | ug/L | 1.5 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | ACENAPHTHYLENE | <1.5 | | ug/L | 1.5 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | ANTHRACENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | BENZ(A)ANTHRACENE | 2.4 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | BENZO(A)PYRENE | 1.1 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | BENZO(B)FLUORANTHENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | BENZO(G,H,I)PERYLENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | BENZO(K)FLUORANTHENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | CHRYSENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | DIBENZO(A,H)ANTHRACENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | FLUORANTHENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | FLUORENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | INDENO(1,2,3-CD)PYRENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | 1-METHYLNAPHTHALENE | 2.7 | | ug/L | 1.5 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | 2-METHYLNAPHTHALENE | <1.5 | | ug/L | 1.5 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | NAPHTHALENE | <1.0 | | µg/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | PHENANTHRENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| 610 | PYRENE | <1.0 | | ug/L | 1.0 | ODL/AK | 03/04/97 | 03/03/97 |
| | GAG AND KAG AROMATIC VOLATILES | | | | | | | |
| 602 | BENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | CHLOROBENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | 1,2-DICHLOROBENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | 1,3-DICHLOROBENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | 1,4-DICHLOROBENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | ETHYLBENZENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | METHYL tert-BUTYL ETHER | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | TOLUENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | o-XYLENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER, GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9703000001
Date Received: 03/03/97
Date Reported: 03/06/97

Client's P.O. Number:
Project Number: MAYPORT
Project Name:

Lab Sample Number: 9703001 1
Client Sample Number: 1
Sample Description: OWS SEMI 1488

Date Sampled: 02/27/97
Sample Matrix: GROUND WATER

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| | GAG AND KAG AROMATIC VOLATILES | | | | | | | |
| 602 | m-XYLENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |
| 602 | p-XYLENE | <0.50 | | ug/L | 0.50 | RM | 03/03/97 | |

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

*Surrogate Percent Recovery*
*Polynuclear Aromatic Hydrocarbons*
*Method 610*

*Client Name:* OMEGA 9703001 *Date:* 3/4/97

| *Sample ID* | Terphenyl d-4 (%) (4-100) | *COMMENTS* |
|---|---|---|
| 9703003-1MS | 70 | |
| 9703003-1MSD | 78 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Surrogate 0 out of 2 outside QC Limits

*Matrix Spike/Matrix Spike Duplicate Recovery*
*Polynuclear Aromatics Hydrocarbons*

*mple ID:* MS/MSD 9703003-1

| *Compound* | | *Conc. Spike Added (ug/L)* | *Sample Result (ug/L)* | *Conc. MS (ug/L)* | *% REC* | *Conc. MSD (ug/L)* | *% REC* | *%RPD* |
|---|---|---|---|---|---|---|---|---|
| *%RPD Limit* | *% REC Limit* | | | | | | | |
| *Acenaphthene* | | | | | | | | |
| 28 | (D-124) | 50 | <1.5 | 35.9 | 72 | 40.6 | 81 | 10 |
| *Acenaphthylene* | | | | | | | | |
| 38 | (D-139) | 100 | <1.5 | 95.4 | 95.4 | 115 | 115 | 19 |
| *Anthracene* | | | | | | | | |
| 31 | (12-135) | 5.0 | <1 | 4.00 | 80.0 | 5.20 | 104 | 26 |
| *Pyrene* | | | | | | | | |
| 38 | (D-140) | 5.0 | <1 | 3.04 | 61 | 4.40 | 88 | 37 |
| *Fluorene* | | | | | | | | |
| 40 | (D-142) | 10.0 | <1 | 7.98 | 79.8 | 10.1 | 101 | 23 |
| *Napthalene* | | | | | | | | |
| 42 | (D-122) | 50 | <1 | 31.8 | 63.6 | 37.5 | 75.0 | 16 |
| *Phenanthrene* | | | | | | | | |
| 42 | (D-155) | 5.0 | <1 | 3.98 | 79.6 | 5.32 | 106 | 27 |

PAH 0 out of 21 outside QC Limits

Comments:

*Analyst Signature:* ODL

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Puerto Rico: Mobile (809) 390-3505 • Beeper (809) 759-1255 • Unit #: 2148194

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

*Surrogate Percent Recovery*
*Polynuclear Aromatic Hydrocarbons*
*Method 610*

*Client Name:* OMEGA 9703001 *Date:* 3/4/97

| *Sample ID* | Terphenyl d-4 (%) (4-100) | *COMMENTS* |
|---|---|---|
| BLANK | 61 | |
| LFB | 55 | |
| LFBD | 89 | |
| 9703003-1 | 91 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Surrogate 0 out of 4 outside QC Limits

*Matrix Spike/Matrix Spike Duplicate Recovery*
*Polynuclear Aromatics Hydrocarbons*

*Sample ID:* LFB/LFBD

| *Compound* | | *Conc. Spike Added (ug/L)* | *Sample Result (ug/L)* | *Conc. MS (ug/L)* | *% REC* | *Conc. MSD (ug/L)* | *% REC* | *%RPD* |
|---|---|---|---|---|---|---|---|---|
| *%RPD Limit* | *% REC Limit* | | | | | | | |
| *Acenapthene* | | | | | | | | |
| *28* | *(D-124)* | 25 | <1 | 12.2 | 48.8 | 17.4 | 69.6 | 35* |
| *Acenapthylene* | | | | | | | | |
| *38* | *(D-139)* | 50 | <1.5 | 30.8 | 61.6 | 44.7 | 89.4 | 37 |
| *Anthracene* | | | | | | | | |
| *31* | *(12-135)* | 2.5 | <1 | 1.50 | 60.0 | 2.00 | 80.0 | 29 |
| *Pyrene* | | | | | | | | |
| *38* | *(D-140)* | 2.5 | <1 | 1.69 | 67.6 | 2.18 | 87.2 | 25 |
| *Fluorene* | | | | | | | | |
| *40* | *(D-142)* | 5.0 | <1 | 2.71 | 54.2 | 3.81 | 76.2 | 33 |
| *Napthalene* | | | | | | | | |
| *42* | *(D-122)* | 25 | <1 | 11.9 | 47.6 | 17.1 | 68.4 | 36 |
| *Phenanthrene* | | | | | | | | |
| *42* | *(D-155)* | 2.5 | <1 | 1.41 | 56.4 | 1.92 | 76.8 | 31 |

PAH 1 out of 21 outside QC Limits

Comments:

*Analyst Signature* ODL

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Puerto Rico: Mobile (809) 390-3505 • Beeper (809) 759-1255 • Unit #: 2148194

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

## *Surrogate Percent Recovery*
## *Volatiles in Water - 602*

*Client Name:* Omega 97-03-001 *Date:* 3/3/97

| *Sample I.D.* | *1,4-Difluorobenzene (80-120)* | *4-Bromofluorobenzene (72-120)* | *Comments* |
|---|---|---|---|
| BLANK | 105 | 100 | |
| 97-03-001-1 | 115 | 112 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Volatiles: 0 out of 4 ;outside QC limits

## *Water Matrix Spike/Matrix Spike Duplicate Recovery*
## *Volatiles*

*Sample I.D.* 97-03-001-1 *(MS/MSD)*

| *Compound* | | *Conc. Spike Added(ug/L)* | *Sample Result* | *Conc. MS* | *%REC* | *Conc. MSD* | *%REC* | *% RPD* |
|---|---|---|---|---|---|---|---|---|
| *RPD Limit* | *REC Limit* | | | | | | | |
| *Chlorobenzene* | | | | | | | | |
| 20 | 61-134 | 25 | ND | 26.0 | 104 | 24.7 | 98.8 | 5.13 |
| *Toluene* | | | | | | | | |
| 20 | 62-135 | 25 | ND | 28.8 | 115 | 23.9 | 95.6 | 18.6 |
| *Benzene* | | | | | | | | |
| 20 | 80-130 | 25 | ND | 22.6 | 90.4 | 22.0 | 88.0 | 2.69 |

Volatiles: 0 out of 9 ;outside QC limits

*Comments:*

v:\data\admin\forms\qc\601602qc

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(904) 672-5668 • Fax (904) 673-4001

Puerto Rico: Mobile (809) 390-3505 • Beeper (809) 759-1255 • Unit #: 2148194

# GENERIC LABORATORY CHAIN OF CUSTODY

Quote 410

**Submitted by:** C. Scroggs
Omega Environmental Services, Inc.
4661 Hammermill Rd Suite B
Tucker, Ga 30084

**Submitted to:** Sheila Wilcox
Enviralab
8 East Tower Circle
Ormond Beach, Fla 32174-0468

**Invoicing/Account Information:**
Doug Driver - Omega Environmental

**Copies of Analytical Report to:**
Geosciences, Inc
5021 Mercer University Drive
Suite D-2
Macon, Ga 31210

Doug Driver
Omega Environmental
4661 Hammermill Rd
Suite B
Tucker, Ga 30084

**Sample Collected by:** C. Scroggs

**Date:** 2-27-97

**ANALYSIS REQUESTED**
3 - 1 l amber bottles
3 - VOA vials

| Station No. | Date | Sample Location | Matrix | Grab | # of Containers | 1-methylnaphthalene | 2-methylnaphthalene | naphthalene | xylenes | MTBE | Remarks | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OWS | 2-27-97 | SEMI 1488 | water | + | 6 | X | X | X | X | X | 24 hr | 9703001-1 |
| | | | | | | | | | | | Rush | |
| | | | | | | | | | | | see Sheila Wilcox | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Relinquished by | Date | Received by | Date |
|---|---|---|---|
| Chip Scroggs | 2-27-97 | | |
| | Date | [illegible] | Date 3/3/97 |

97 -002

Quale 410.

Submitted by: C. Scroggs
Omega Environmental Services, Inc
4661 Hammermill Rd Suite B
Tucker, GA 30084

Submitted to:
Enviralab
8 East Tower Circle
Ormond Beach, Fla. 32174-0468

Invoicing/Account Information:
Doug Driver - Omega Env. Svs.

Copies of Analytical Report to:
Geosciences, Inc.
5021 mercer University Drive
Suite D-2
~~Macon, Ga~~ 31210

Doug Driver
Omega Environmental
4661 Hammermill RD
Suite B
Tucker, Ga 30084

Sample Collected by: C. Scroggs

Date: 2-27-97

ANALYSIS REQUESTED

| Station No. | Date | Sample Location | Soil | # of Jars | | TPH (418.1) | TCLP (Lead) | BTEX | Remarks | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|
| OWS center | 2-26-97 | 13' SEMI 1488 | X | 2 | grab | X | X | X | 24 hr | 9703002-1 |
| OWS North | 2-26-97 | 13' SEMI 1488 | X | 2 | grab | X | X | X | Rush | -2 |
| OWS West | 2-26-97 | 13' SEMI 1488 | X | 2 | grab | X | X | X | | -3 |
| Custom Stockpile | 2-26-97 | SEMI 1488 | X | 2 | Compo Site | X | X | X | See Sheila Wilcox | -4 |

| Relinquished by | Date | Received by | Date |
|---|---|---|---|
| Chip Scroggs | Date 2-27-97 | [illegible] | Date 3/3/97 |

ENVIROLAB ☎904 673 4001 13:51 04/23/97

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

# ANALYTICAL REPORT



Submission Number: 9702000010
Date Received: 02/03/97
Date Reported: 02/11/97

Client's P.O. Number:
Project Number: 96022
Project Name: MAYPORT NAVAL STATION WASTE OIL SITE BLDG. 1400

Lab Sample Number: 9702010 1
Client Sample Number: 1
Sample Description: WASTE OIL TANK

Date Sampled: 01/31/97
Sample Matrix: WASTE WATER

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| 413.1 | OIL AND GREASE | 30 | | mg/L | 1.0 | LL | 02/10/97 | |
| 418.1 | TRPH | 4.1 | | mg/L | 0.50 | LL | 02/10/97 | |
| 206.2 | ARSENIC | <0.0010 | | mg/L | 0.0010 | JB | 02/05/97 | |
| 208.1 | BARIUM | <0.050 | | mg/L | 0.050 | AA | 02/06/97 | |
| 213.1 | CADMIUM | <0.0050 | | mg/L | 0.0050 | JB | 02/05/97 | |
| 218.1 | CHROMIUM | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 239.1 | LEAD | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 245.1 | MERCURY | <0.00020 | | mg/L | 0.00020 | AA | 02/10/97 | |
| 270.2 | SELENIUM | <0.0020 | | mg/L | 0.0020 | JB | 02/04/97 | |
| 272.1 | SILVER | <0.010 | | mg/L | 0.010 | AA | 02/05/97 | |

Lab Sample Number: 9702010 2
Client Sample Number: 2
Sample Description: WASTE OIL LINE

Date Sampled: 01/31/97
Sample Matrix: WASTE WATER

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| 413.1 | OIL AND GREASE | <1.0 | | mg/L | 1.0 | LL | 02/10/97 | |
| 418.1 | TRPH | <0.50 | | mg/L | 0.50 | LL | 02/10/97 | |
| 206.2 | ARSENIC | <0.0010 | | mg/L | 0.0010 | JB | 02/05/97 | |
| 208.1 | BARIUM | <0.050 | | mg/L | 0.050 | AA | 02/06/97 | |
| 213.1 | CADMIUM | <0.0050 | | mg/L | 0.0050 | JB | 02/05/97 | |
| 218.1 | CHROMIUM | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 239.1 | LEAD | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 245.1 | MERCURY | <0.00020 | | mg/L | 0.00020 | AA | 02/10/97 | |
| 270.2 | SELENIUM | <0.0020 | | mg/L | 0.0020 | JB | 02/04/97 | |
| 272.1 | SILVER | 0.015 | | mg/L | 0.010 | AA | 02/05/97 | |

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MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER, GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

ANALYTICAL REPORT



Submission Number: 9702000010
Date Received: 02/03/97
Date Reported: 02/11/97

Client's P.O. Number:
Project Number: 96022
Project Name: MAYPORT NAVAL STATION WASTE OIL SITE BLDG. 1400

Lab Sample Number: 9702010 3
Client Sample Number: 3
Sample Description: WASTE OIL LINE

Date Sampled: 01/31/97
Sample Matrix: WASTE WATER

| Method | Analyte | Result | Q | Unit | Reporting Limit | Analyst | Date Analyzed | Date Prepared |
|---|---|---|---|---|---|---|---|---|
| 413.1 | OIL AND GREASE | <1.0 | | mg/L | 1.0 | LL | 02/10/97 | |
| 418.1 | TRPH | <0.50 | | mg/L | 0.50 | LL | 02/10/97 | |
| 206.2 | ARSENIC | 0.0010 | | mg/L | 0.0010 | JB | 02/05/97 | |
| 208.1 | BARIUM | <0.050 | | mg/L | 0.050 | AA | 02/06/97 | |
| 213.1 | CADMIUM | <0.0050 | | mg/L | 0.0050 | JB | 02/05/97 | |
| 218.1 | CHROMIUM | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 239.1 | LEAD | <0.020 | | mg/L | 0.020 | JB | 02/05/97 | |
| 245.1 | MERCURY | 0.0020 | | mg/L | 0.00020 | AA | 02/10/97 | |
| 270.2 | SELENIUM | <0.0020 | | mg/L | 0.0020 | JB | 02/04/97 | |
| 272.1 | SILVER | 0.016 | | mg/L | 0.010 | AA | 02/05/97 | |

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

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(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS # E83079

ENVIROLAB

# Quality Control Report

t ID.:

OMEGA

Submis.: 9702000010 DATE: 2/10/97

| Parameter | Precision | | | | Accuracy | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sample I.D. | Rep A mg/L | Rep B mg/L | %RPD | Sample I.D. | Sample Conc. mg/L | MS Conc. mg/L | Spike Con. mg/L | %REC | Method blk mg/L |
| Alkalinity | | | | | | | | | | |
| Ammonia | | | | | | | | | | |
| BOD | | | | | | | | | | |
| Silica | | | | | | | | | | |
| Chloride | | | | | | | | | | |
| COD | | | | | | | | | | |
| Conductivity | | | | | | | | | | |
| Cyanide | | | | | | | | | | |
| Fluoride | | | | | | | | | | |
| Hex. Chromium | | | | | | | | | | |
| Kjeldahl Nitrogen | | | | | | | | | | |
| Nitrate | | | | | | | | | | |
| Nitrite | | | | | | | | | | |
| Oil and Grease | 01447-2 | <1.00 | <1.00 | 0.000 | QSQC | N/A | <1.00 | <1.00 | 93.3 | <1.00 |
| Ortho Phosphate | | | | | | | | | | |
| [illegible] | | | | | | | | | | |
| Phenol | | | | | | | | | | |
| Sulfate | | | | | | | | | | |
| Hydrogen Sulfide | | | | | | | | | | |
| TDS | | | | | | | | | | |
| TOC | | | | | | | | | | |
| Surfactants | | | | | | | | | | |
| Total Phosphate | | | | | | | | | | |
| Total Solids | | | | | | | | | | |
| TRPH 418.1/9073 | QSQC | 2.30 | 2.54 | 9.92 | QSQC | N/A | 2.54 | 2.50 | 102. | <0.500 |
| TSS | | | | | | | | | | |
| Turbidity | | | | | | | | | | |
| Oxidized Nitrogen | | | | | | | | | | |
| Odor | | | | | | | | | | |
| Flash Point | | | | | | | | | | |
| Color | | | | | | | | | | |
| | | | | | | | | | | |

%REC = [(MS Conc.-Sample Conc.)/Spike Conc.]

* – Insufficient Sample to perform QC.

V:\DATA\WETCHEM\QC\020100WET.XLS

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Envirolab
P. O. Box 468 ● 8 East Tower Circle
Ormond Beach, Florida 32175 - 0468
904/672 - 5668 ● FAX 904/673 - 4001

ENVIROLAB

(INSTRUCTIONS ON BACK)

# CHAIN OF CUSTODY RECORD

No.E 08808 Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: _____ °C (or ROI)
Condition of Contents: ✓
Condition of Seals: ✓

FOR LAB USE ONLY
Submission No. 0102-016

1. Client: (Company & Individual)
OMEGA ENV. SERVICES, INC
Address:
City State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (If different from above)
MIKE SWARTZ
Address:
City State Zip Code
Phone: ( )
Fax: ( )

FOR LAB USE ONLY
Profile No.: 5-98
Quote No.: 410

3. Client Project Name:
MAYPORT NAVEL STATION
WASTE OIL SITE BLDG 1400

4. Client Project No: 96022

5. P. O. No.:

6. Custody Seal No.: 01

7. Sampled by: MIKE SWARTZ
AARON JEFFERSON

WATER SAMPLE CODES (FOR ITEM 13):
DW = drinking water
GW = ground water
PW = process water
SW = surface water
WW = waste water
O = other

CONTAINER TYPES (FOR ITEM 15):
V = VOA vial
G = glass
P = plastic
O = other

8. SHIPPING METHOD:
☐ UPS
☐ FEDEX
☐ Hand Carried
☑ Other

15. Container Type:

17. Report Type
☑ Routine
☐ With QC
☐ Special Forms

18. Turnaround Time
☑ Standard
☐ Rush: / /

| ITEM | 9. SAMPLE I.D. (NO.) | 10. SAMPLE DESCRIPTION | 11. DATE | 11. TIME | 12. Comp. Grab | 13. Water (code) | Soil | Sludge | Other | 14. No. of Containers | 16. Analyses Requested: METALS * | TRPH * | Oil-Grease * | 19. REMARK | LAB USE ONLY LAB. SAMPLE NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | WASTE OIL TANK | 01/31/97 | 16:30 | X | X | | | | 3 | X | X | X | | -010-1 |
| 2 | 2 | WASTE OIL LINE | 01/31/97 | 17:50 | X | X | | | | 3 | X | X | X | | -010-2 |
| 3 | 3 | WASTE OIL LINE | 01/31/97 | 18:00 | X | X | | | | 3 | X | X | X | | -010-3 |
| 4 | | | | | | | | | | | | | | * As per client | |
| 5 | | | | | | | | | | | | | | request do | |
| 6 | | | | | | | | | | | | | | not include | |
| 7 | | | | | | | | | | | | | | sand in | |
| 8 | | | | | | | | | | | | | | analysis results. | |
| 9 | | | | | | | | | | | | | | SW 2-3-97 | |
| 10 | | | | | | | | | | | | | | | |

| 20. RELINQUISHED BY | DATE | TIME | 21. RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|
| 1 Aaron Jefferson | 2/1/97 | 2:05 | Marit Monta | 2/1/97 | 2:05 |
| 2 Marit Monta | 2/3/97 | 8:15 | Mike McCoy | 2/3/97 | 13:52 |
| 3 | | | | | |

LAB USE ONLY
SAMPLING FEE: _____ HRS.
SAMPLE RECEIVING NOTE:

Initiated 3/95

# APPENDIX III

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Date Rec'd December 10, 1990
DER Application No.
Rec'd by DER

# Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 16862008
2. Facility Type: F (Naval Station)
3. New Registration ☐ New Owner Data ☐ Facility Revision ☐ Tank(s) Revision ☒
4. County and Code of tank(s) location: Duval / 16

5. Facility Name: ~~Naval Station Mayport~~
Tank(s) Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 32228-0067
Contact Person: Jerome Jackson Telephone: (904) 776-4548 Ext. 83
6. Financial Responsibility Type: D

7a. Tank(s) Owner: Commanding Officer, Navy Public Works Center
Owner Mailing Address: NAS Jacksonville'
City/State/Zip: Jacksonville, Florida 32212-0067
Contact Person: Mr. Jerome Jackson Telephone: (904) 772-4548 Ext. 83

7b. New Owner Signature/Change Date: / / /

8. Location (optional) Latitude: °'" Longitude: °'" Section Township Range

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| G-1828 | 550 | G | 1984 | U | C | BI | I | U | 90% | 10/16/96 |
| G-306 | 250 | G | 1979 | U | C | BI | I | U | 90% | 10/16/96 |
| G-1376 | 250 | G | 1979 | U | C | BI | I | U | 90% | 10/16/96 |
| GBSS | 110 | G | 1979 | U | C | BI | I | U | 90% | 10/16/96 |
| GCSS | 250 | G | 1975 | U | C | BI | I | U | 90% | 10/16/96 |

20. Petroleum Technical Services
Certified Contractor*

DPR# PCC055729
Department of Professional Regulation License Number

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Jim Schroeder, Environmental Dept Head
Navy Public Works Center
Print name & title of owner or authorized person

Signature

Date

Northwest District — Northeast District — Central District — Southwest District — South District — Southeast District

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Form Title: [illegible] Form
Effective Date: December 10, 1990
DER Application No. _____ (Filled in by DER)

# Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 168626008
2. Facility Type: F (Naval Station)
3. New Registration ☐ New Owner Data ☐ Facility Revision ☐ Tank(s) Revision ☒
4. County and Code of tank(s) location: Duval / 16

5. Facility Name: Naval Station Mayport
Tank(s) Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 32228-0067
Contact Person: Mr. Jan Bovier Telephone: (904) 270-6730
6. Financial Responsibility Type: D

7a. Tank(s) Owner: Naval Station Mayport
Owner Mailing Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 3228-0067
Contact Person: Mr. Jan Bovier Telephone: (904) 270-6730

7b. New Owner Signature/Change Date: _____ / _____ / _____

8. Location (optional) Latitude: ___°___'___" Longitude: ___°___'___" Section ____ Township ____ Range ____

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1490 | 1000 | L | 1981 | U | X | B | M | U | 90% | 10/16/96 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

20. Petroleum Technical Services
Certified Contractor*

DPR# PCC055929
Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Robert P. Walder, LCDR, CEC, U.S. Navy

Print name & title of owner or authorized person | Signature | Date

Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794, 904/436-8300
Northeast District, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256, 904/796-4700
Central District, 3319 Maguire Blvd., Suite 232, Orlando, Florida 32803-3767, 407/894-7555
Southwest District, 4520 Oak Fair Blvd., Tampa, Florida 33610-7347, 813/623-5561
South District, 2796 Bay St., Fort Myers, Florida 33901-2896, 813/332-8975
Southeast District, 1900 S. Congress Ave., Suite A, West Palm Beach, Florida 33406, 407/433-2650

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Effective Date: December 10, 1990
DER Application No. _____ Assigned by DER

# Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 16862008
2. Facility Type: F (Naval Station)
3. New Registration ☐ New Owner Data ☐ Facility Revision ☐ Tank(s) Revision [X]
4. County and Code of tank(s) location: Duval / 16

5. Facility Name: Naval Station Mayport
Tank(s) Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 32228-0067
Contact Person: Mr. Jan Bovier Telephone: (904) 270-6730
6. Financial Responsibility Type: D

7a. Tank(s) Owner: Naval Station Mayport
Owner Mailing Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 32228-0067
Contact Person: Mr. Jan Bovier Telephone: (904) 270-6730

7b. New Owner Signature/Change Date: _____ / ___/___/___

8. Location (optional) Latitude: ___°___'___" Longitude: ___°___'___" Section____ Township____ Range____

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 358 A | 10,000 | H | 1974 | A | K | B | M | T | 200 | 10/16/96 |
| 358 B | 550 | B | 1988 | U | E | B | M | T | 20 | 10/16/96 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

20. Petroleum Technical Services — Certified Contractor*
DPR# PCC055729 — Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Robert P. Walden, LCDR, CEC, US Navy
Print name & title of owner or authorized person — Signature — Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794 904-436-8300
Northeast District 7825 Baymeadows Way, Suite B-200 Jacksonville, Florida 32256 904-796-4700
Central District 3319 Maguire Blvd., Suite 232 Orlando, Florida 32803-3767 407-894-7555
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347 813-623-3561
Seven District 2295 Bay St. Fort Myers, Florida 33901-2996 813-332-6975
Southeast District 1900 S. Congress Ave., Suite A West Palm Beach, Florida 33406 407-433-2650

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Effective Date: December 10, 1990
DER Application No. _____
Filed in by DER

# Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 16862008
2. Facility Type: F (Naval Station)
3. New Registration ☐ New Owner Data ☐ Facility Revision ☐ Tank(s) Revision [X]
4. County and Code of tank(s) location: Duval / 16

5. Facility Name: Naval Station Mayport
Tank(s) Address: Naval Station Mayport
City/State/Zip: Mayport, Florida 32228-0067
Contact Person: Jerome Jackson Telephone: (904) 776-4548 Ext. 831
6. Financial Responsibility Type: D

7a. Tank(s) Owner: Commanding Officer, Navy Public Works Center
Owner Mailing Address: NAS Jacksonville'
City/State/Zip: Jacksonville, Florida 32212-0067
Contact Person: Mr. Jerome Jackson Telephone: (904) 772-4548 Ext. 83

7b. New Owner Signature/Change Date: _____ / ___/___/___

8. Location (optional) Latitude: ___°___'___" Longitude: ___°___'___" Section ___ Township ___ Range ___

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| G-23 | 1500 | G | 1969 | U | C | BI | I | U | 90% | 10/16/96 |
| G-285 | 3000 | G | 1961 | A | CKW | BI | I | T | 90% | 10/16/96 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

20. Petroleum Technical Services
Certified Contractor*

DPR# PCC055729
Department of Professional Regulation License Number

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Jim Schroeder, Environmental Dept Head
Navy Public Works Center
Print name & title of owner or authorized person

Signature

6 Nov 96
Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794
Northeast District 7825 Baymeadows Way, Suite B-200 Jacksonville, Florida 32256-7577
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767 407-894-7555
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347 813-623-5561
South District 2269 Bay St. Fort Myers, Florida 33901-2896 813-332-6975
Southeast District 1900 S. Congress Ave., Suite A West Palm Beach, Florida 33406 407-433-2650

FAX MEMORANDUM

11-15-96

Ms. Grace Torsanko
Regulatory Environmental Services
421 West Church Street, Suite 422
Jacksonville, FL 32202

**SUBJECT:** Mayport NS
Petroleum Storage Tank Closures

**Ms. Torsanko:**

On behalf of Omega Environmental Services, Inc.(OES), Geosciences, Inc. presents this notification that the petroleum storage tank at Bldg. 1828 is scheduled for removal on November 18, 1996. We understand that FDEP Storage Tank Registration Forms for the tank sites under OES's contract were faxed to your attention on November 6, 1996 by Mike Swartz, (OES).

For your convenience, a tentative tank closure schedule is attached. Of course, we will verify the information 24 hours before any tank closure by telephone or fax. A project contact list is also attached.

Geosciences Inc. will be on site to monitor the closure activities, perform FID/PID soil screening, collect samples for analytical testing, and complete FDEP Closure Assessment Forms. We look forward to the opportunity to work with you on this project. Please feel free to call if you have any questions. Otherwise, we will presumably meet on Monday during your site inspection.

**Very Truly Yours,**
**Geosciences, Inc.**

**Travis A. Sheppard, R.E.H.S.**

OMEGA ENVIRONMENTAL 95-C-2500 & 96-C-0740 '74/96

# November 1996

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 Bldg. 1828 | 19 GCSS | 20 Bldg 1376 | 21 sewer Bldg. 285 | 22 GBSS | 23 |
| 24 | * 25 Bldg. 23 | 26 FIRE TRAINING | 27 FIRE TRAINING | 28 FIRE TRAINING | 29 FIRE TRAINING | 30 |

[illegible] Entrance closed.

OMEGA ENVIRONMENTAL 95-C-2500 & 96-C-0740 11/14/96

# December 1996

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 1 | 2 FIRG TRAINING | 3 FIRG TRAINING | 4 FIRG TRAINING | 5 FIRG TRAINING | 6 DEMOBE | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

# APPENDIX IV

| | |
|---|---|
| DER Form # | 17-761.900(5) |
| Form Title | Underground Storage Tank Installation & Removal Form for Certified Contractors |
| Effective Date | December 10, 1990 |
| DER Application No. | (Filled in by DER) |

# Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

| | |
|---|---|
| Petroleum Technical Services<br>(Type or Print)<br>Certified Pollutant Tank Contractor Name<br>Pollutant Storage System Specialty Contractor License Number (PSSSC) | PCC055929<br>PSSSC Number |
| John W. Watt<br>Certified Tank Contractor Signature | April 7, 1997<br>Date |
| Mike Swartz<br>(Type or Print)<br>Field Supervisor Name | Date |
| Mike Swartz<br>Field Supervisor Signature | 4/14/97<br>Date |

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the top of page one.

12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations, and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitted to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

Nelson R. Walden — 7/14/97
Signature of Owner — Date

[signature] — 4/28/97
Signature of Person Performing Assessment — Date

THOMAS E. DRIVER, P.E. MANAGER/EXECUTIVE VICE PRESIDENT
Title of Person Performing Assessment

## State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

State ground water target levels are as follows:

1. For gasoline (EPA Method 602):
   a. Benzene — 1 ug/l
   b. Total VOA — 50 ug/l
      - Benzene
      - Toluene
      - Total Xylenes
      - Ethylbenzene
   c. Methyl Test-Butyl Ether (MTBE) — 50 ug/l

2. For kerosene/diesel (EPA Method 610):
   a. Polynuclear Aromatic Hydrocarbons (PAHS) (Best achievable detection limit, 10 ug/l maximum)

# Certificate of Disposal

Omega Environmental Services Inc. certifies that the following listed items have been disposed of in the described manner and all supporting data is accurate and complete. The listed items were disposed of as specified in API 1604 in accordance with Section 17-761.800 F.A.C.

## Item Description

Tank 1488
1500 Gallon Concrete Tank
Mayport, NS, Florida

## Disposal Method

Tank was cleaned and demolished for disposal at
C & D Landfill
Owner Don Waynright
Live Oak , Florida
Shipped by Bulldog Trucking

## Disposal Date

March 15, 1997

## Contract, Owner Information

Remove & Replace Underground Storage Tanks
Waste Oil Removal and Replacement
Mayport, NS, Florida
Contract No. N62467-96-C-2520
Department of The U.S. Navy

I Certify that the above information is accurate and complete
as a representative Omega Environmental Services Inc.

Company Representative: John Mount
Title: Project Manager

Signature: _____ Date: _____

INVOICE

SP 13107
BD 37034

**Bulldog Truck Lines, Inc.**
AGENT FOR PRITCHETT TRUCKING, INC.
1050 S. E. 6th St. – P. O. Box 311
LAKE BUTLER, FLORIDA 32054
Phones: 904-496-2630
Fax – 904-496-2883
Jax – 353-3711
353-6815

Date 3-15-97
P. O. No.

SOLD TO: Omega Environmental DESTINATION: Live Oak

| Delivery Date | Quantity Shipped | Terms: | Unit Price | Unit | Total Amount |
|---|---|---|---|---|---|
| 3-10-97 | 2 loads | C&D material | 390 00 | load | 780 00 |

| PURCHASE ORDER NO. | ORDER NUMBER | CUSTOMER CODE | TERMS |
|---|---|---|---|
| | 0022101 | OESTU | NET 30 DAYS |

| TICKET DATE | TICKET NO. | DESCRIPTION | UNIT | SHIPPED |
|---|---|---|---|---|
| 3/10/97 | 7572 | C & D MATERIAL | Load | 1.00 |
| 3/10/97 | 8497 | C & D MATERIAL | Load | 1.00 |
| | | Total Shipped.. | | 2.00 |

TOTAL P.07

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001901

:02 03/26/97

UCK NO. 303
OSS WT. 75740 LBS TRANSPORTER Pritchett
RE WT (M) 23000 LBS GENERATOR Omega
T WT. 52740 LBS DRIVER Ted
T WT. 26.37 TON
STOMER NUMBER: 1031
B NUMBER: 011535

WEIGHMASTER
Weighers Signature Debbie Haas

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270 - 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

GENERATOR

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ted TAYLOR
Signature: Ted Taylor
Month 03 Day 26 Year 97

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 03 Day 26 Year 97

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001902

4:05 03/26/97

TRUSK NO. 322
ROSS WT. 77460 LBS
TARE WT (M) 22800 LBS
ET WT. 54660 LBS
ET WT. 27.33 TON
USTOMER NUMBER: 1031

JOB NUMBER: 011535

TRANSPORTER Pritchett
WENERATOR Omega
DRIVER K.W. Jo

WEIGXMASTER

Weighers Signature Debbie Haas

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270 - 6730

5. Transporter 1 Company Name

BULLDOG TRUCKLINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

KEDESH
KINGSLAND, GA

10. US EPA ID Number

2951-020-12361

A. Transporter's Phone 800-808-3402

B. Transporter's Phone

C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER | Signature: Jan B Bovier | Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Leith W. Jones | Signature: Leith W. Jones | Month 03 Day 26 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature: Debbie Haas | Month 3 Day 26 Year 97

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 4/9

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001920

16:04 03/26/97

| | | | |
|---|---|---|---|
| TRUCK NO. | 708 | | |
| GROSS WT. | 72800 | LBS | TRANSPORTER Pritchett |
| TARU WT (M) | 24200 | LBS | GENERATOR Omega |
| NET WT. | 48600 | LBS | TRIVER Rowell |
| NET WT. | 24.30 | TON | |
| CUSTOMER NUMBER: | 1031 | | |
| JOB NUMBER: | 011535 | | |

WEIWHMASTER

Weighers Signature

46156

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAV STA.
MAYPORT FL.

4. Generator's Phone (904) 270 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDGH
KINGSLAND, GA.

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3467
B. Transporter's Phone
C. Facility's Phone 912-427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Rowell
Signature: Robert P. Rowell
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 26 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

Underground Utility Contractors, Inc.
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

=
TISKET NO. 001688

:14 03/24/97=

| | | | |
|---|---|---|---|
| JSK NO. | 312 | | TRANSPORTER Pritchett |
| SS WT. | 78300 | LBS | GENURATOR Omega |
| RE WT (M) | 24500 | LBS | DRIVER Ceil Fitton |
| WT. | 53800 | LBS | |
| T WT. | 26.90 | T_N | |
| ST_MER NUMRER: | 1031 | | |
| 3 NUMRER: | 011535 | | |

WEIGHMASTER Debbie Haas

Weighers Signature

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BONIER
Signature: Jan B Bonier
Month 03 Day 24 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Cecil Litton
Signature: Cecil Litton
Month 03 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 24 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001683

213:52 03/24/97
:TRUCK NO. 292
GROSS WT. 79100 LBS
TARE WT (M) 26500 LBS
NET WT. 52600 LBS
NET WT. 26.30 TON

CUSTOMER NUMBER: 1031

ZOB NUMBUR: 011535

TRANSPORTER Pritchett
GENERATOR Omega
DRIVER

WEIGHMASTER

Weighers Signature Debbie Haas

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001667

212:19 03/24/97

TRUCK NO. 322
GROSS WT. 75640 LBS TRANSPORTER Pritchett

TARE WT (M) 22900 LBS GENERATOR ~~Ot~~ Omega

NET WT. 52740 LBS DRIVER R.W. [illegible]

NET WT. 26.37 TON
:CUSTOMER NUMBER: 1031

JOB NUMBER: ~~014532~~ 11535

WEIGHMASTER

Weighers Signature [illegible]

Underground Utility Contractors, Inc.
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001668

2:25 03/24/97

TRUSK NO. 303
ROSS WT. 73080 LBS
TARE WT (M) 23000 LBS
ET WT. 50080 LBS
NET WT. 25.04 TON
USTOMER NUMBER: 1031
OB NUMRER: 011535

TRANSPORTER Pritchett
GENERATOR Omega
DRIVER Ted

WEIGHMASTER
Weighers Signature Debbi Haas

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 007

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCKLINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZARDOUS PETROLEUM CONTAMINATED SOILS BLDG 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

GENERATOR

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 24 Year 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Keith W. Jones
Signature: Keith W. Jones
Month 03 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 24 Year 97

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 3

2. Page 1 of

282 4803

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

GENERATOR

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZARDOUS PETROLEUM CONTAMINATED SOILS BUILDING 1488-SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN DOVER
Signature: Jan B Dover
Month 03 Day 24 Year 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CARL W. CLAYTON
Signature: Carl W. Clayton
Month 3 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 24 Year 97

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 4/94

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 002472

9:51 04/11/97

TRUCK NO. 255
GROSS WT. 73240 LBS
TARE WT (M) 23380 LBS
NET WT. 49860 LBS
NET WT. 24.93 TON

TRANSPORTUR Pritchett
GENERATOR Omega
DRIVER

CUSTOMER NUMBER: 2326

JOB NUMBER: ~~011532~~ 11535

WEIGHMASTER

Weighers Signature Debbie Hass

Additional Deductions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAV STA
MAYPORT FL

4. Generator's Phone (904) 270 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA.

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800 808 3402
B. Transporter's Phone
C. Facility's Phone 912 427 9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488 | | | | |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 04 Day 11 Year 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: William Ray
Signature: William Ray
Month 04 Day 11 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Hacc
Month 4 Day 11 Year 97

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

322
75260

TISKET NO. 001837

10:32 03/26/97

GROSS WT. 75260 LBS TRANSPORTER Pritchett

TARE WT (M) 22800 LBS GENERATOR Omega

NET WT. 52460 LBS DRIVER K.W. Fu

NET WT. 26.23 TON

CUSTOMER NUMBER: 1031

JOB NUMBER: 011535

WEIGHMASTER

Weighers Signature Debbie Haas

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAS/STA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| JAN BONIER | Jan B Bonier | 03 | 26 | 97 |

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Keith W. Jones | Keith W. Jones | 03 | 26 | 97 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | Debbie Haas | 3 | 26 | 97 |

GENERATOR — TRANSPORTER — FACILITY

12-BLS-C5, Rev. 4/9

ORIGINAL – RETURN TO GENERATOR

Underground Utility Contractors, Inc.
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001708

16:13 03/24/97

TRUCK NO. 322
GROSS WT. 72740 LBS
TARE WT (M) 22800 LBS
NET WT. 49940 LBS
NET WT. 24.97 TON
CUSTOMER NUMBER: 1031
JOB NUMBER: 011535

TRANSPORTER Pritchett
GENERATOR Omega
DRIVER L.W. Jr

WEIGHMASTER

Weighers Signature Debbie Haas

#5 –

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 24 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Keith W. Jones
Signature: Keith W. Jones
Month 03 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 24 Year 97

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 4/94

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TISKET NO. 001709

216:16 03/24/97

| | | | |
|---|---|---|---|
| TRUCK NO. | 303 | | TRANSPORTER Pritchett |
| WROSS WT. | 76600 | LRS | GENERATOR Omega |
| TQRE WT (I) | 21640 | LBS | DRIVER Ted |
| NET WT. | 54960 | \BS | |
| NET WT. | 27.48 | TO^ | |
| CUSTOMER NUMBER: | 1031 | | |
| JOB NUMBER: | 011535 | | |

WEIGHMASTER _____

Weighers Signature Debbie Haas

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZARDOUS PETROLEUM CONTAMINATED SOILS BUILDING 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 24 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ted Taylor
Signature: Ted Taylor
Month 03 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 03 Day 24 Year 97

GENERATOR
TRANSPORTER
FACIL.

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 4/94

Underground Utility Contractors, Inc.
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TYCKET NO. 001719

217:06 03/24/97
:TRUCK NO. 312
ROSS WT. 78320 LBS TRANSPORTER Pritchett
TARE WT (M) 24500 LBS WENERATOR Omega
UT WT. 53820 LBS DRIVER Carl Sutton
NUT WT. 26.91 T_N
CUSTOMER NUMBER: 1031
OB-NUMBER: 011535

WEIGHMASTER

Weighers Signature Debbie Haas

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAS/STA
MAYPORT, FL

4. Generator's Phone ( 904 ) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
295.1-020-.1236.1

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488 - SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 24 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Cecil Litton
Signature: Cecil Litton
Month 03 Day 24 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 24 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TYCKET NO. 001838

10:38 03/26/97

| | | | |
|---|---|---|---|
| TRUCK NO. | 303 | | |
| GROSS WT. | 73080 | LBS | TRANSPORTUR Pritchett |
| TQRE WT (I) | 23000 | LBS | GENERQTOR Omega |
| NET WT. | 50080 | \BS | DRIVER Ted |
| NET WT. | 25.04 | TON | |
| CUST_MER NUMBER: | 1031 | | |
| JOB ^UMBER: | 011535 | | |

WUIGHMASTER _____

Weighers Signature Debbie Haas

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone (904) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488-SIMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

GENERATOR

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| JAN BOVIER | Jan B Bovier | 03 | 26 | 97 |

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Ted TAYLOR | Ted Taylor | 03 | 26 | 97 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | Debbie Haas | 3 | 26 | 97 |

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TYCKET NO. 001893

13:25 03/26/97

| | | | |
|---|---|---|---|
| TRUCK NO. | 255 | | |
| GROSS WT. | 74040 | LBS | TRANSPORTER Pritchett |
| TARE WT (M) | 24000 | LBS | GE^ERATOR Omega |
| NET WT. | 50040 | LBS | TRIVER |
| = | | | |
| NET WT. | 25.02 | TON | |
| CUSTOMER NUMBUR: | 1031 | | |
| JOB ^UMBER: | 011535 | | |

WEIWHMASTER

Weighers Signature Debbie Haas

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904) 270 - 6730

5. Transporter 1 Company Name

BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

KEDESH
KINGSLAND, GA

10. US EPA ID Number

2951-020-12361

A. Transporter's Phone 800-808-3402

B. Transporter's Phone

C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: W Ray
Signature: W Ray
Month 03 Day 26 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 03 Day 26 Year 97

GENERATOR

TRANSPORTER

FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TYCKET NO. 001919

16:00 03/26/97

RUCK NO. 748
ROSS WT. 72800 LBS TRANSPORTER Pritchett

ARE WT (M) 24000 LBS GENURATOR Omega

NET WT. 48800 LRS DRIVER Donnie Galloway

ET WT. 24.40 TON
CUSTOMUR NUMBER: 1031

OB NUMBUR: 011535

WEIGHMASTER _____

Weighers Signature Debbie Haas

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAV STA
MAYPORT FL

4. Generator's Phone ( 904 270 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEESH
KINGSLAND GA

10. US EPA ID Number
GAT-020-1236

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912 427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | HK |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BONIER
Signature: Jan B Bonier
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael D Galloway
Signature: Michael D Galloway
Month 03 Day 26 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 03 Day 26 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001930

09:39 03/27/97

| | | | |
|---|---|---|---|
| TRUCK NO. | 322 | | TRANSPORTUR Pritchett |
| GROSS WT. | 75980 | LBS | GENERATOR Omega |
| TARE WT (I) | 22800 | LBS | DRIVER L.W. Jon |
| NET WT. | 53180 | LBS | |
| NET WT. | 26.59 | TON= | |

CUSTOMER NUMBER: 1031

JOB NUMBER: 011535

WEIGHMASTER _____

Weighers Signature Debbi Haas

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

Generator's Name and Mailing Address
MAYPORT NAV-SYA
MAYPORT FL

4. Generator's Phone ( 904 270 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND GA.

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800808 5402
B. Transporter's Phone
C. Facility's Phone 912 427 9674

GENERATOR

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. | | | | |
| b. | | | | |
| c. | | | | |
| d. | | | | |

Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| JAN BOVIER | Jan B Bovier | 03 | 26 | 97 |

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Keith W. Jones | Keith W. Jones | 03 | 27 | 97 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

FACILITY

19. Discrepancy Indication Space

0. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | Debbie Haas | 03 | 27 | 97 |

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001931

09:42 03/27/97

TRUCK NO. 303
GROSS WT. 76820 LBS
TARE WT (M) 23000 LBS
NET WT. 53820 LBS
NET WT. 26.91 TON

TRANSPORTER Pritchett
GENERATOR Omega
DRIVER Tal

CUSTOMER NUMBER: 1031

JOB NUMBER: 011535

WEIGHMASTER

Weighers Signature Dilbri Haas

Please print or type all information.
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MAYPORT NAU-STA
MAYPORT, FL

4. Generator's Phone (904) 270 6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA.

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800 808 3402
B. Transporter's Phone
C. Facility's Phone 912 4279674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOWER
Signature: Jan B Bower
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ted Taylor
Signature: Ted Taylor
Month 03 Day 27 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 27 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TISKET NO. 001696

:35 03/24/97

UCI NO. 815
OSS WT. 82480 LBS
RE WT (M) 23900 LBS
T WT. 58580 LRS
T WT. 29.29 TON

TRANSPORTER Pritchett
GENERATOR Omega
DRIVER Henry Lester

STOMER NUMBER: 1031=

NUIBER: 011535

WEIGHMASTER Debbi Haas
Weighers Signature

(Print or type with the exception of Block 16 which must be signed. Use additional sheets if necessary. It is designed for use on elite (12-pitch) typewriter.)

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator's US EPA ID No. | Manifest Document No. 0001 | 2. Page 1 of |
|---|---|---|---|

3. Generator's Name and Mailing Address
MAYPORT NAS/STA
MAYPORT, FL

4. Generator's Phone (904) 270-6730

5. Transporter 1 Company Name
BULLDOG TRUCK LINES #815

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH
KINGSLAND, GA

10. US EPA ID Number
2951-020-12361

A. Transporter's Phone 800-808-3402
B. Transporter's Phone
C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS BUILDING 1488-SMA | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| JAN BONIER | Jan B Bonier | 03 | 24 | 97 |

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| HENRY LESTER | Henry Lester | 3 | 24 | 97 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | Debbie Haas | 3 | 24 | 97 |

GENERATOR → TRANSPORTER → FACILITY

12-BLS-C5 Rev. 4/94

ORIGINAL – RETURN TO GENERATOR

**Underground Utility Contractors, Inc.**
901 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 001875

12:09 03/26/97

748
73660

GRWBOSO_WT. 73680 LBS TRANSPORTER Pritchett

TARE WT (M) 24000 LRS GENERATOR Omega

NET WT. 49660 LBS TRIVER Dennis Galloway

NET WT. 24.83 TON

:CUSTOMER NUMBER: 1031

JOB NUMBER: 011535

WEIGHMASTER _____

Weighers Signature Debbie Haas

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MAYPORT NAVSTA
MAYPORT, FL

4. Generator's Phone ( 904) 270-6730

5. Transporter 1 Company Name

BULLDOG TRUCKLINES

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

KEDESH
KINGSLAND, GA

10. US EPA ID Number

2951-020-12361

A. Transporter's Phone 800-808-3402

B. Transporter's Phone

C. Facility's Phone 912/427-9674

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-HAZ PCS | 001 | DT | | TN |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JAN BOVIER
Signature: Jan B Bovier
Month 03 Day 26 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael O Galloway
Signature: Michael O Galloway
Month 03 Day 26 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature: Debbie Haas
Month 3 Day 26 Year 97

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 4/9

ORIGINAL – RETURN TO GENERATOR

ATTACHMENT 6

TABLE 2 – SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490

MAYPORT NAVAL STATION

MAYPORT, FLORIDA

11 May 1998

MONITOR WELL NUMBER

| PARAMETER | MAY 1490-1A | MAY 1490-2A | MAY 1490-3A | MAY 1490-4 | MAY 1490-5D | MAY 1490-6A | MAY 1490-6A DUPLICATE | RINSATE BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (8260)** | | | | | | | | | |
| DICHLORODIFLUOROMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CHLOROMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| VINYL CHLORIDE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| BROMOMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| TRICHLOROFLUOROMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-DICHLOROETHENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| METHYLENE CHLORIDE | BDL | 7.3 | 9.2 | 6.2 | 7.7 | 7.8 | BDL | 7.3 | BDL |
| CARBON DISULFIDE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| trans-1,2-DICHLOROETHENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-DICHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 2,2-DICHLOROPROPANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CIS-1,2-DICHLOROETHENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CHLOROFORM | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CHLORODIBROMOMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,1-TRICHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-DICHLOROPROPENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CARBON TETRACHLORIDE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-DICHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| BENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| TRICHLOROETHENE (TCE) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-DICHLOROPROPANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| BROMODICHLOROMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| DIBROMOMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 4-METHYL-2-PENTANONE (MIBK) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 2-HEXANONE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| CIS-1,3-DICHLOROPROPENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| TOLUENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| TRANS-1,3-DICHLOROPROPENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-DICHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,3-DICHLOROPROPANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490

MAYPORT NAVAL STATION

MAYPORT, FLORIDA

11 May 1998

| PARAMETER | MONITOR WELL NUMBER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MAY 1490-1A | MAY 1490-2A | MAY 1490-3A | MAY 1490-4 | MAY 1490-5D | MAY 1490-6A | MAY 1490-6A DUPLICATE | RINSATE BLANK | TRIP BLANK |
| TETRACHLOROETHENE (PCE) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-DIBROMOMETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| EHTYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,1,2-TETRACHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SYTRENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| ISOPROPYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| BROMOFORM | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2,2-TETRACHLOROETHANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| N-PROPYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| BROMOBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,3,5-TRIMETHYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 2-CHLOROTOLUENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 4-CHLOROTOLUENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| TERT-BUTYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2,4-TRIMETHYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SEC-BUTYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| P-ISOPROPYTOLUENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,3-DICHLOROBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,4-DICHLOROBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| N-BUTYLBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-DICHLOROBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-DIBROMO-3-CHLOROPROPANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2,4-TRICHLOROBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| HEXACHLOROBUTADIENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| NAPHTHALENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2,3-TRICHLOROBENZENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| ACETONE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 2-BUTANONE (MEK) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 2-CHLOROETHYL VINYL ETHER | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2,3-TRICHLOROPROPANE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| XYLENES (TOTAL) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| METHYL TERT-BUTYL ETHER | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490

MAYPORT NAVAL STATION

MAYPORT, FLORIDA

11 May 1998

| PARAMETER | MONITOR WELL NUMBER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MAY 1490-1A | MAY 1490-2A | MAY 1490-3A | MAY 1490-4 | MAY 1490-5D | MAY 1490-6A | MAY 1490-6A DUPLICATE | RINSATE BLANK | TRIP BLANK |
| **POLYNUCLEAR AROMATIC HYDROCARBONS (8310)** | | | | | | | | | |
| NAPHTHALENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| ACENAPHTHYLENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| ACENAPHTHENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| FLUORENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| PHENANTHRENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| ANTHRACENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| FLUORANTHENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| PYRENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| BENZ(A)ANTHRACENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| CHRYSENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| BENZO(B)FLUORANTHENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| BENZO(K)FLUORANTHENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| BENZO(A)PYRENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| DIBENZ(A,H)ANTHRACENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| BENZO (G,H,I) PERYLENE, UG/L | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| INDENO(1,2,3-CD)PYRENE | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |
| | | | | | | | | | |
| **TOTAL PETROLEUM HYDROCARBONS (418.1)** | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NA |

Notes: - BDL = Below Detection Limit

- NA = Not Analyzed

ATTACHMENT 7

LABORATORY ANALYTICAL RESULTS

# ECOSYS

A HYDROLOGIC OF GEORGIA, INC. LABORATORY

1412 Oakbrook Drive
Suite 105
Norcross, Georgia 30093
Phone (770) 368-0636
Fax (770) 368-0806

# ANALYTICAL REPORT

**CLIENT:**
USACE-Savannah District
Mark Harvision
100 West Oglethorpe Ave
Savannah, GA 31402
P: 912-652-5151 F: 912-652-5311

| | |
|---|---|
| **Ledger Number** | N801903 |
| **P.O. Number** | 0096 |
| **Date Received** | 05/13/1998 |
| **Time Received** | 10:30 |
| **Reporting Date** | 05/20/1998 |

**Ledger Comment:** Samples May-1490-BLK-1 and May-1490-6A were preserved upon receipt.

**Project Name** Mayport 1490

**Client Sample #** Trip Blanks
**Sampling Date/Time** 05/06/1998 :
**Lab Sample ID** N80190301

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methylene Chloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/199 |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |

**Project Name** Mayport 1490

**Client Sample #** Trip Blanks
**Sampling Date/Time** 05/06/1998 :

**Lab Sample ID** N80190301

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Trans-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,2-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tetrachloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorodibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dibromoethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Ethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,1,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Styrene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Isopropylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromoform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,2,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Propylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3,5-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 4-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Naphthalene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Acetone | ***Below RL*** | 100 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Butanone (MEK) | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Chloroethylvinyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Xylenes (Total) | ***Below RL*** | 15 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methyl Tert-Butyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-5D
**Sampling Date/Time** 05/11/1998 10:38 **Lab Sample ID** N80190302

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methylene Chloride | *7.7* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trans-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,2-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tetrachloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorodibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dibromoethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Ethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,1,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Styrene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Isopropylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromoform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,2,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Propylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3,5-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-5D
**Sampling Date/Time** 05/11/1998 10:38 **Lab Sample ID** N80190302

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| 2-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 4-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tert-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Sec-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| P-Isopropyltoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,4-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dibromo-3-Chloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Hexachlorobutadiene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Naphthalene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Acetone | *Below RL* | 100 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Butanone (MEK) | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Chloroethylvinyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Xylenes (Total) | *Below RL* | 15 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methyl Tert-Butyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-6A
**Sampling Date/Time** 05/11/1998 10:43 **Lab Sample ID** N80190303

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methylene Chloride | *7.8* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/199 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-6A

**Sampling Date/Time** 05/11/1998 10:43 **Lab Sample ID** N80190303

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Chloroform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromochloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,1,1-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Carbon Tetrachloride | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,2-Dichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Benzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,2-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromodichloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Dibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| -Methyl-2-Pentanone (MIBK) | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Hexanone | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Cis-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Toluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Trans-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,1,2-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,3-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tetrachloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorodibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,2-Dibromoethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Chlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Ethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,1,1,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Styrene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Isopropylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromoform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,1,2,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Propylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Bromobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| ,3,5-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| -Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-6A
**Sampling Date/Time** 05/11/1998 10:43 **Lab Sample ID** N80190303

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Naphthalene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Acetone | *Below RL* | 100 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Butanone (MEK) | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 2-Chloroethylvinyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| 1,2,3-Trichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Xylenes (Total) | *Below RL* | 15 | ug/L | 1.0 | KD | N/A | 05/14/1998 |
| Methyl Tert-Butyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-2A
**Sampling Date/Time** 05/11/1998 10:50 **Lab Sample ID** N80190304

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methylene Chloride | *7.3* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-2A
**Sampling Date/Time** 05/11/1998 10:50 **Lab Sample ID** N80190304

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tetrachloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorodibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromoethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Ethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Styrene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Isopropylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromoform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,4-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| Hexachlorobutadiene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| Naphthalene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| 1,2,3-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| Acetone | *Below RL* | 100 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| 2-Butanone (MEK) | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| 2-Chloroethylvinyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| 1,2,3-Trichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| Xylenes (Total) | *Below RL* | 15 | ug/L | 1.0 | KD | N/A | 05/15/199 |
| Methyl Tert-Butyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-3A

**Sampling Date/Time** 05/11/1998 10:55 **Lab Sample ID** N80190306

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Chloroform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromochloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Tetrachloride | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Benzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromodichloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Dibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Methyl-2-Pentanone (MIBK) | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Hexanone | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Toluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tetrachloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorodibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromoethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Ethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Styrene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Isopropylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromoform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-Dup-1
**Sampling Date/Time** 05/11/1998 10:00 **Lab Sample ID** N80190305

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methylene Chloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tetrachloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorodibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromoethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Ethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Styrene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Isopropylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromoform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/199 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-Dup-1
**Sampling Date/Time** 05/11/1998 10:00 **Lab Sample ID** N80190305

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Naphthalene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Acetone | ***Below RL*** | 100 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Butanone (MEK) | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chloroethylvinyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Xylenes (Total) | ***Below RL*** | 15 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methyl Tert-Butyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-3A
**Sampling Date/Time** 05/11/1998 10:55 **Lab Sample ID** N80190306

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| Dichlorodifluoromethane | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloromethane | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Vinyl Chloride | ***Below RL*** | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromomethane | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichlorofluoromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methylene Chloride | ***9.2*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Disulfide | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,2-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2,2-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,2-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-3A
**Sampling Date/Time** 05/11/1998 10:55 **Lab Sample ID** N80190306

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Naphthalene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Acetone | *Below RL* | 100 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Butanone (MEK) | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chloroethylvinyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Xylenes (Total) | *Below RL* | 15 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methyl Tert-Butyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-4
**Sampling Date/Time** 05/11/1998 11:02 **Lab Sample ID** N80190307

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | Batch **0518980012** | | | |
| Naphthalene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1 TPH (FTIR) LIQUID** | | | | Batch **0514980018** | | | |
| TPH(FTIR) | *Below RL* | 0.51 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-4
**Sampling Date/Time** 05/11/1998 11:02 **Lab Sample ID** N80190307

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| Methylene Chloride | *6.2* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tetrachloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorodibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromoethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Ethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Styrene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Isopropylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromoform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Chlorotoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-4
**Sampling Date/Time** 05/11/1998 11:02 **Lab Sample ID** N80190307

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| 1,4-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Hexachlorobutadiene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Naphthalene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Acetone | *Below RL* | 100 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Butanone (MEK) | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chloroethylvinyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Xylenes (Total) | *Below RL* | 15 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methyl Tert-Butyl Ether | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-1A
**Sampling Date/Time** 05/11/1998 11:06 **Lab Sample ID** N80190308

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | | Batch **0518980012** | | |
| Naphthalene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1 TPH (FTIR) LIQUID** | | | | | Batch **0514980018** | | |
| TPH(FTIR) | *Below RL* | 0.52 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-1A
**Sampling Date/Time** 05/11/1998 11:06 **Lab Sample ID** N80190308

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Chloromethane | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Vinyl Chloride | ***Below RL*** | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromomethane | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichlorofluoromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methylene Chloride | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Disulfide | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,2-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2,2-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,2-Dichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chloroform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromochloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Carbon Tetrachloride | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Benzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trichloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromodichloromethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Dibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Methyl-2-Pentanone (MIBK) | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Hexanone | ***Below RL*** | 10 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Cis-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Toluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Trans-1,3-Dichloropropene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2-Trichloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tetrachloroethene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorodibromomethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromoethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Chlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Ethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,1,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Styrene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Isopropylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromoform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-1A
**Sampling Date/Time** 05/11/1998 11:06 **Lab Sample ID** N80190308

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| 4-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Naphthalene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Acetone | ***Below RL*** | 100 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Butanone (MEK) | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chloroethylvinyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Xylenes (Total) | ***Below RL*** | 15 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methyl Tert-Butyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-BLK-1
**Sampling Date/Time** 05/11/1998 11:10 **Lab Sample ID** N80190309

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | Batch **0518980012** | | | |
| Naphthalene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-BLK-1

**Sampling Date/Time** 05/11/1998 11:10 **Lab Sample ID** N80190309

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Analysi |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | Batch **0518980012** | | | |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/19 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/19 |
| **418.1 TPH (FTIR) LIQUID** | | | | Batch **0514980018** | | | |
| TPH(FTIR) | *Below RL* | 0.50 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/19 |
| **5030/8260 VOC (GC/MS) LIQUID** | | | | Batch **0514980013** | | | |
| Dichlorodifluoromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Chloromethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Vinyl Chloride | *Below RL* | 2.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Bromomethane | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Chloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Trichlorofluoromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 1,1-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Methylene Chloride | *7.3* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Carbon Disulfide | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Trans-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 1,1-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 2,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Cis-1,2-Dichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Chloroform | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Bromochloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 1,1,1-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 1,1-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Carbon Tetrachloride | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| 1,2-Dichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Benzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/19 |
| Trichloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 1,2-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Bromodichloromethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Dibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 4-Methyl-2-Pentanone (MIBK) | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 2-Hexanone | *Below RL* | 10 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Cis-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Toluene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Trans-1,3-Dichloropropene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 1,1,2-Trichloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 1,3-Dichloropropane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Tetrachloroethene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Chlorodibromomethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 1,2-Dibromoethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Chlorobenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Ethylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| 1,1,1,2-Tetrachloroethane | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Styrene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |
| Isopropylbenzene | *Below RL* | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-BLK-1
**Sampling Date/Time** 05/11/1998 11:10 **Lab Sample ID** N80190309

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **5030/8260 VOC (GC/MS) LIQUID** | | | | | Batch **0514980013** | | |
| Bromoform | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,1,2,2-Tetrachloroethane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Propylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Bromobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3,5-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 4-Chlorotoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Tert-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trimethylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Sec-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| P-Isopropyltoluene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,3-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,4-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| N-Butylbenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2-Dibromo-3-Chloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,4-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Hexachlorobutadiene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Naphthalene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichlorobenzene | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Acetone | ***Below RL*** | 100 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Butanone (MEK) | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 2-Chloroethylvinyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| 1,2,3-Trichloropropane | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Xylenes (Total) | ***Below RL*** | 15 | ug/L | 1.0 | KD | N/A | 05/15/1998 |
| Methyl Tert-Butyl Ether | ***Below RL*** | 5.0 | ug/L | 1.0 | KD | N/A | 05/15/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-5D
**Sampling Date/Time** 05/11/1998 10:38 **Lab Sample ID** N80190310

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | | Batch **0518980012** | | |
| Naphthalene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-5D

**Sampling Date/Time** 05/11/1998 10:38 **Lab Sample ID** N80190310

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | | Batch **0518980012** | | |
| Benz(A)Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1 TPH (FTIR) LIQUID** | | | | | Batch **0514980018** | | |
| TPH(FTIR) | ***Below RL*** | 0.51 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-6A

**Sampling Date/Time** 05/11/1998 10:43 **Lab Sample ID** N80190311

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | | Batch **0518980012** | | |
| Naphthalene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | ***Below RL*** | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | ***Below RL*** | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1 TPH (FTIR) LIQUID** | | | | | Batch **0514980018** | | |
| TPH(FTIR) | ***Below RL*** | 0.52 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-2A
**Sampling Date/Time** 05/11/1998 10:50 **Lab Sample ID** N80190312

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | Batch **0518980012** | | | |
| Naphthalene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1 TPH (FTIR) LIQUID** | | | | Batch **0514980018** | | | |
| TPH(FTIR) | *Below RL* | 0.51 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-Dup-1
**Sampling Date/Time** 05/11/1998 10:00 **Lab Sample ID** N80190313

| Prep/Method Analyte | Result | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610 610 PAH (HPLC)** | | | | Batch **0518980012** | | | |
| Naphthalene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |

| 418.1 | TPH (FTIR) LIQUID | | | | Batch 0514980018 | | | |
|---|---|---|---|---|---|---|---|---|
| TPH(FTIR) | | *Below RL* | 0.52 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |

**Project Name** Mayport 1490

**Client Sample #** May-1490-3A

**Sampling Date/Time** 05/11/1998 10:55 **Lab Sample ID** N80190314

| Prep/Method Analyte | *Result* | RL | Units | Dilution Factor | Analyst Init. | Date of Prep | Date of Analysis |
|---|---|---|---|---|---|---|---|
| **3510/610** | **610 PAH (HPLC)** | | | | Batch 0518980012 | | |
| Naphthalene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Acenaphthene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluorene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Phenanthrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Pyrene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benz(A)Anthracene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Chrysene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(B)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(K)Fluoranthene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(A)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Dibenz(A,H)Anthracene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Benzo(G,H,I)Perylene | *Below RL* | 2.50 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| Indeno(1,2,3-CD)Pyrene | *Below RL* | 0.500 | ug/L | 1.00 | HC | 05/18/1998 | 05/19/1998 |
| **418.1** | **TPH (FTIR) LIQUID** | | | | Batch 0514980018 | | |
| TPH(FTIR) | *Below RL* | 0.53 | mg/L | 1.0 | MK | 05/14/1998 | 05/14/1998 |

RL = Reporting Limit INIT. = ( * ) Analysis performed by another HydroLogic Laboratory, ( # ) Analysis performed by subcontracted Laboratory.

Maria Mar Hill 5/20/98
Certifying Scientist

**Organics and Inorganics in Wastewater, Solids, and Wastes**

NC-DEHNR 44 SC-DHEC 98013, GA -DNR-806 UT-DOH E-228 (UST), FL-DEP 940134 HRS E87194 (Water) HRS 87368 (Drinking Water),A2LA:0594-01,

| EPA ID | EPA Reg Waste | US Army Corps of Engineers Validation |
|---|---|---|
| GA-00033 | GA-0001011006 | |

**These result(s) relate only to the item(s) tested.**

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# Case Narrative N801903

Date: May 20, 1998
Client: USACE Savannah District

| Analysis | QC Situation | Comments |
|---|---|---|
| Volatile Organics by GC<br>Batch: 0515980013 | The batch MS had a detection for Methylene Chloride at 14.2$\mu$g/L. | Samples N808190302, 03, 04, 06, 07, and 09 each had detections for this compound consistent with those of the Method Blank. Because of this - the sample results for the noted samples for Methylene Chloride should be considered as being caused by laboratory contamination. |
| | One surrogate recovered outside of the established control limits for the following samples: N80190301, 02, 03, 04, 05, 08, 09, and the batch MB. | Control for these samples was based on the remaining two acceptable surrogate recoveries. |
| PAHs by HPLC<br>Batch: 0518980012 | Sufficient sample volume was not available for the preparation of a batch MS and MSD. | Batch control was based on the acceptable LCS and LCSD spike recoveries with the following exception: The batch LCSD spike recovery for Naphthalene was slightly below the established control limits. Control for this compound was based on the acceptable LCS recovery. |
| TPH by IR<br>Batch: 0514980018 | Sufficient sample volume was not available for the preparation of a batch MS and MSD. | Batch control was based on the acceptable LCS and LCSD spike recoveries. |

# QA/QC REPORT

| | | | |
|---|---|---|---|
| **Ledger #** | N801903 | **Prep Method** | 5030 |
| **Analyzed by** | KD | **Prepared by** | KD |
| **QA/QC Batch ID** | 0514980013 | **Analysis Method** | 8260 |
| **MS/MSD Ref ID** | N80187410 | **Matrix** | LIQUID |

NQ8134041 **MB**

| | Value | RL | Units |
|---|---|---|---|
| Dichlorodifluoromethane | Below RL | 10.0 | ug/L |
| Chloromethane | Below RL | 10.0 | ug/L |
| Vinyl Chloride | Below RL | 2.00 | ug/L |
| Bromomethane | Below RL | 10.0 | ug/L |
| Chloroethane | Below RL | 5.00 | ug/L |
| Trichlorofluoromethane | Below RL | 5.00 | ug/L |
| 1,1-Dichloroethene | Below RL | 5.00 | ug/L |
| Methylene Chloride | 14.2 | 5.00 | ug/L |
| Carbon Disulfide | Below RL | 5.00 | ug/L |
| Trans-1,2-Dichloroethene | Below RL | 5.00 | ug/L |
| 1,1-Dichloroethane | Below RL | 5.00 | ug/L |
| 2,2-Dichloropropane | Below RL | 5.00 | ug/L |
| Cis-1,2-Dichloroethene | Below RL | 5.00 | ug/L |
| Chloroform | Below RL | 5.00 | ug/L |
| Bromochloromethane | Below RL | 5.00 | ug/L |
| 1,1,1-Trichloroethane | Below RL | 5.00 | ug/L |
| 1,1-Dichloropropene | Below RL | 5.00 | ug/L |
| Carbon Tetrachloride | Below RL | 5.00 | ug/L |
| 1,2-Dichloroethane | Below RL | 5.00 | ug/L |
| Benzene | Below RL | 5.00 | ug/L |
| Trichloroethene | Below RL | 5.00 | ug/L |
| 1,2-Dichloropropane | Below RL | 5.00 | ug/L |
| Bromodichloromethane | Below RL | 5.00 | ug/L |
| Dibromomethane | Below RL | 5.00 | ug/L |
| 4-Methyl-2-Pentanone (MIBK) | Below RL | 10.0 | ug/L |
| 2-Hexanone | Below RL | 10.0 | ug/L |
| Cis-1,3-Dichloropropene | Below RL | 5.00 | ug/L |
| Toluene | Below RL | 5.00 | ug/L |
| Trans-1,3-Dichloropropene | Below RL | 5.00 | ug/L |
| 1,1,2-Trichloroethane | Below RL | 5.00 | ug/L |
| 1,3-Dichloropropane | Below RL | 5.00 | ug/L |
| Tetrachloroethene | Below RL | 5.00 | ug/L |
| Chlorodibromomethane | Below RL | 5.00 | ug/L |
| 1,2-Dibromoethane | Below RL | 5.00 | ug/L |
| Chlorobenzene | Below RL | 5.00 | ug/L |
| Ethylbenzene | Below RL | 5.00 | ug/L |
| 1,1,1,2-Tetrachloroethane | Below RL | 5.00 | ug/L |
| Xylenes (Total) | Below RL | 15.0 | ug/L |
| Styrene | Below RL | 5.00 | ug/L |
| Isopropylbenzene | Below RL | 5.00 | ug/L |
| Bromoform | Below RL | 5.00 | ug/L |
| 1,1,2,2-Tetrachloroethane | Below RL | 5.00 | ug/L |
| 1,2,3-Trichloropropane | Below RL | 5.00 | ug/L |
| N-Propylbenzene | Below RL | 5.00 | ug/L |
| Bromobenzene | Below RL | 5.00 | ug/L |
| 1,3,5-Trimethylbenzene | Below RL | 5.00 | ug/L |

**QA/QC Conventions**

DV : Duplicate
DR : Duplicate Referance
MS : Matrix Spike
MSD : Matrix Spike Duplicate
LCS : Lab Control Spike
LCSD: Lab Control Spike Duplicate
MB : Method Blank
PDS : Post-Digestion Spike

| NQ8134041 MB | Value | RL | Units |
|---|---|---|---|
| 2-Chlorotoluene | Below RL | 5.00 | ug/L |
| 4-Chlorotoluene | Below RL | 5.00 | ug/L |
| Tert-Butylbenzene | Below RL | 5.00 | ug/L |
| 1,2,4-Trimethylbenzene | Below RL | 5.00 | ug/L |
| Sec-Butylbenzene | Below RL | 5.00 | ug/L |
| P-Isopropyltoluene | Below RL | 5.00 | ug/L |
| 1,3-Dichlorobenzene | Below RL | 5.00 | ug/L |
| 1,4-Dichlorobenzene | Below RL | 5.00 | ug/L |
| N-Butylbenzene | Below RL | 5.00 | ug/L |
| 1,2-Dichlorobenzene | Below RL | 5.00 | ug/L |
| 1,2-Dibromo-3-Chloropropane | Below RL | 5.00 | ug/L |
| 1,2,4-Trichlorobenzene | Below RL | 5.00 | ug/L |
| Hexachlorobutadiene | Below RL | 5.00 | ug/L |
| Naphthalene | Below RL | 5.00 | ug/L |
| 1,2,3-Trichlorobenzene | Below RL | 5.00 | ug/L |
| Methyl Ethyl Ketone | Below RL | 5.00 | ug/L |
| Trans-1,4-dichloro-2-Butene | Below RL | 5.00 | ug/L |
| Acetone | Below RL | 100 | ug/L |
| 2-Chloroethylvinyl Ether | Below RL | 5.00 | ug/L |
| Methyl Tert-Butyl Ether | Below RL | 5.00 | ug/L |

| NQ8134042 MS | Value | Spike Value | Units | REC(%) | Control Limits (%) |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.7 | 50.0 | ug/L | 93.4 | 80-119 |
| Benzene | 50.3 | 50.0 | ug/L | 101 | 82-114 |
| Trichloroethene | 46.1 | 50.0 | ug/L | 92.2 | 75-120 |
| Toluene | 48.0 | 50.0 | ug/L | 96.0 | 71-123 |
| Chlorobenzene | 48.4 | 50.0 | ug/L | 96.8 | 79-119 |

| NQ8134043 MSD | Value | Spike Value | Units | REC(%) | Control Limits (%) | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.5 | 50.0 | ug/L | 95.0 | 80-119 | 1.70 | 7.20 |
| Benzene | 50.7 | 50.0 | ug/L | 101 | 82-114 | 0.792 | 5.80 |
| Trichloroethene | 45.9 | 50.0 | ug/L | 91.8 | 75-120 | 0.435 | 7.30 |
| Toluene | 47.8 | 50.0 | ug/L | 95.6 | 71-123 | 0.418 | 7.20 |
| Chlorobenzene | 48.4 | 50.0 | ug/L | 96.8 | 79-119 | 0.0 | 6.20 |

| NQ8134040 LCS | Value | Spike Value | Units | REC(%) | Control Limits (%) |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 48.6 | 50.0 | ug/L | 97.2 | 80-119 |
| Benzene | 51.2 | 50.0 | ug/L | 102 | 82-114 |
| Trichloroethene | 45.9 | 50.0 | ug/L | 91.8 | 75-120 |
| Toluene | 49.0 | 50.0 | ug/L | 98.0 | 71-123 |
| Chlorobenzene | 49.5 | 50.0 | ug/L | 99.0 | 79-119 |

**QA/QC Conventions**

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LCSD: Lab Control Spike Duplicate
MB : Method Blank
PDS : Post-Digestion Spike

| N80190301 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.4 | 50.0 | 1.00 | ug/L | 98.8 | 96-106 |
| 1,2-Dichloroethane-D4 | 44.0 | 50.0 | 1.00 | ug/L | 88.0 * | 92-112 |
| 4-Bromofluorobenzene | 46.9 | 50.0 | 1.00 | ug/L | 93.8 | 90-105 |

| N80190302 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.7 | 50.0 | 1.00 | ug/L | 99.4 | 96-106 |
| 1,2-Dichloroethane-D4 | 45.0 | 50.0 | 1.00 | ug/L | 90.0 * | 92-112 |
| 4-Bromofluorobenzene | 46.8 | 50.0 | 1.00 | ug/L | 93.6 | 90-105 |

| N80190303 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.9 | 50.0 | 1.00 | ug/L | 99.8 | 96-106 |
| 1,2-Dichloroethane-D4 | 45.3 | 50.0 | 1.00 | ug/L | 90.6 * | 92-112 |
| 4-Bromofluorobenzene | 46.1 | 50.0 | 1.00 | ug/L | 92.2 | 90-105 |

| N80190304 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.8 | 50.0 | 1.00 | ug/L | 99.6 | 96-106 |
| 1,2-Dichloroethane-D4 | 45.4 | 50.0 | 1.00 | ug/L | 90.8 * | 92-112 |
| 4-Bromofluorobenzene | 45.6 | 50.0 | 1.00 | ug/L | 91.2 | 90-105 |

| N80190305 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 50.0 | 50.0 | 1.00 | ug/L | 100 | 96-106 |
| 1,2-Dichloroethane-D4 | 44.9 | 50.0 | 1.00 | ug/L | 89.8 * | 92-112 |
| 4-Bromofluorobenzene | 45.6 | 50.0 | 1.00 | ug/L | 91.2 | 90-105 |

| N80190306 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 50.2 | 50.0 | 1.00 | ug/L | 100 | 96-106 |
| 1,2-Dichloroethane-D4 | 46.9 | 50.0 | 1.00 | ug/L | 93.8 | 92-112 |
| 4-Bromofluorobenzene | 46.1 | 50.0 | 1.00 | ug/L | 92.2 | 90-105 |

| N80190307 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.6 | 50.0 | 1.00 | ug/L | 99.2 | 96-106 |
| 1,2-Dichloroethane-D4 | 46.5 | 50.0 | 1.00 | ug/L | 93.0 | 92-112 |
| 4-Bromofluorobenzene | 45.4 | 50.0 | 1.00 | ug/L | 90.8 | 90-105 |

| N80190308 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 49.9 | 50.0 | 1.00 | ug/L | 99.8 | 96-106 |
| 1,2-Dichloroethane-D4 | 45.2 | 50.0 | 1.00 | ug/L | 90.4 * | 92-112 |
| 4-Bromofluorobenzene | 45.0 | 50.0 | 1.00 | ug/L | 90.0 | 90-105 |

| N80190309 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 50.8 | 50.0 | 1.00 | ug/L | 102 | 96-106 |
| 1,2-Dichloroethane-D4 | 46.6 | 50.0 | 1.00 | ug/L | 93.2 | 92-112 |
| 4-Bromofluorobenzene | 44.8 | 50.0 | 1.00 | ug/L | 89.6 * | 90-105 |

| NQ8134040 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 50.4 | 50.0 | 1.00 | ug/L | 101 | 96-106 |
| 1,2-Dichloroethane-D4 | 49.8 | 50.0 | 1.00 | ug/L | 99.6 | 92-112 |
| 4-Bromofluorobenzene | 46.8 | 50.0 | 1.00 | ug/L | 93.6 | 90-105 |

| NQ8134041 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 48.5 | 50.0 | 1.00 | ug/L | 97.0 | 96-106 |
| 1,2-Dichloroethane-D4 | 44.8 | 50.0 | 1.00 | ug/L | 89.6 * | 92-112 |
| 4-Bromofluorobenzene | 51.1 | 50.0 | 1.00 | ug/L | 102 | 90-105 |

| NQ8134042 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 51.2 | 50.0 | 1.00 | ug/L | 102 | 96-106 |
| 1,2-Dichloroethane-D4 | 50.1 | 50.0 | 1.00 | ug/L | 100 | 92-112 |
| 4-Bromofluorobenzene | 45.9 | 50.0 | 1.00 | ug/L | 91.8 | 90-105 |

| NQ8134043 SURR | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Toluene-D8 | 50.9 | 50.0 | 1.00 | ug/L | 102 | 96-106 |
| 1,2-Dichloroethane-D4 | 49.0 | 50.0 | 1.00 | ug/L | 98.0 | 92-112 |
| 4-Bromofluorobenzene | 47.0 | 50.0 | 1.00 | ug/L | 94.0 | 90-105 |

# QA/QC REPORT

| | | | |
|---|---|---|---|
| **Ledger #** | N801903 | **Prep Method** | 3510 |
| **Analyzed by** | HC | **Prepared by** | DW |
| **QA/QC Batch ID** | 0518980012 | **Analysis Method** | 610 |
| **MS/MSD Ref ID** | | **Matrix** | LIQUID |

| NQ8138055 **MB** | Value | RL | Units |
|---|---|---|---|
| Naphthalene | Below RL | 2.50 | ug/L |
| Acenaphthylene | Below RL | 2.50 | ug/L |
| Acenaphthene | Below RL | 2.50 | ug/L |
| Fluorene | Below RL | 0.500 | ug/L |
| Phenanthrene | Below RL | 0.500 | ug/L |
| Anthracene | Below RL | 0.500 | ug/L |
| Fluoranthene | Below RL | 0.500 | ug/L |
| Pyrene | Below RL | 2.50 | ug/L |
| Benz(A)Anthracene | Below RL | 0.500 | ug/L |
| Chrysene | Below RL | 0.500 | ug/L |
| Benzo(B)Fluoranthene | Below RL | 0.500 | ug/L |
| Benzo(K)Fluoranthene | Below RL | 0.500 | ug/L |
| Benzo(A)Pyrene | Below RL | 0.500 | ug/L |
| Dibenz(A,H)Anthracene | Below RL | 2.50 | ug/L |
| Benzo(G,H,I)Perylene | Below RL | 2.50 | ug/L |
| Indeno(1,2,3-CD)Pyrene | Below RL | 0.500 | ug/L |

| NQ8138053 **LCS** | Value | Spike Value | Units | REC(%) | Control Limits (%) |
|---|---|---|---|---|---|
| Naphthalene | 8.39 | 20.0 | ug/L | 42.0 | 42- 93 |
| Acenaphthylene | 9.47 | 20.0 | ug/L | 47.3 | 42- 98 |
| Acenaphthene | 8.97 | 20.0 | ug/L | 44.9 | 38-108 |
| Fluorene | 10.4 | 20.0 | ug/L | 51.9 | 46- 99 |
| Phenanthrene | 11.4 | 20.0 | ug/L | 57.2 | 45-106 |
| Anthracene | 12.9 | 20.0 | ug/L | 64.5 | 47-126 |
| Fluoranthene | 13.4 | 20.0 | ug/L | 67.0 | 50-112 |
| Pyrene | 14.1 | 20.0 | ug/L | 70.7 | 53-113 |
| Benz(A)Anthracene | 14.7 | 20.0 | ug/L | 73.5 | 39-112 |
| Chrysene | 14.8 | 20.0 | ug/L | 73.9 | 34-117 |
| Benzo(B)Fluoranthene | 14.6 | 20.0 | ug/L | 73.2 | 10-128 |
| Benzo(K)Fluoranthene | 14.6 | 20.0 | ug/L | 72.9 | 10-134 |
| Benzo(A)Pyrene | 13.3 | 20.0 | ug/L | 66.4 | 10-126 |
| Indeno(1,2,3-CD)Pyrene | 13.7 | 20.0 | ug/L | 68.4 | 10-139 |
| Dibenz(A,H)Anthracene | 13.5 | 20.0 | ug/L | 67.6 | 10-147 |
| Benzo(G,H,I)Perylene | 13.4 | 20.0 | ug/L | 67.2 | 10-130 |

| NQ8138054 **LCSD** | Value | Spike Value | Units | REC(%) | Control Limits (%) | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|
| Naphthalene | 7.46 | 20.0 | ug/L | 37.3* | 42-113 | 11.8 | 48.0 |
| Acenaphthylene | 8.55 | 20.0 | ug/L | 42.8 | 42- 98 | 10.2 | 43.0 |
| Acenaphthene | 8.41 | 20.0 | ug/L | 42.0 | 38-108 | 6.51 | 60.0 |
| Fluorene | 10.3 | 20.0 | ug/L | 51.4 | 46- 99 | 0.881 | 41.0 |
| Phenanthrene | 11.8 | 20.0 | ug/L | 59.1 | 45-106 | 3.31 | 34.0 |
| Anthracene | 13.4 | 20.0 | ug/L | 67.2 | 47-126 | 4.07 | 34.0 |
| Fluoranthene | 13.7 | 20.0 | ug/L | 68.3 | 50-112 | 1.94 | 32.0 |
| Pyrene | 14.4 | 20.0 | ug/L | 72.1 | 53-113 | 2.08 | 32.0 |
| Benz(A)Anthracene | 14.7 | 20.0 | ug/L | 73.5 | 39-112 | 0.0136 | 28.0 |

**QA/QC Conventions**

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MS : Matrix Spike
MSD : Matrix Spike Duplicate
LCS : Lab Control Spike
LCSD: Lab Control Spike Duplicate
MB : Method Blank
PDS : Post-Digestion Spike

| Q8138054 LCSD | Value | Spike Value | Units | REC(%) | Control Limits (%) | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|
| hrysene | 14.8 | 20.0 | ug/L | 74.2 | 34-117 | 0.351 | 29.0 |
| enzo(B)Fluoranthene | 14.1 | 20.0 | ug/L | 70.6 | 10-128 | 3.50 | 43.0 |
| enzo(K)Fluoranthene | 14.0 | 20.0 | ug/L | 69.8 | 10-134 | 4.36 | 75.0 |
| enzo(A)Pyrene | 12.9 | 20.0 | ug/L | 64.3 | 10-126 | 3.31 | 56.0 |
| ndeno(1,2,3-CD)Pyrene | 13.1 | 20.0 | ug/L | 65.6 | 10-139 | 4.11 | 66.0 |
| ibenz(A,H)Anthracene | 12.8 | 20.0 | ug/L | 64.2 | 10-147 | 5.22 | 64.0 |
| enzo(G,H,I)Perylene | 12.6 | 20.0 | ug/L | 63.1 | 10-130 | 6.24 | 62.0 |

**QA/QC Conventions**

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MSD : Matrix Spike Duplicate
LCS : Lab Control Spike
LCSD: Lab Control Spike Duplicate
MB : Method Blank
PDS : Post-Digestion Spike

| 80190307 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl (Surr) | 34.0 | 50.0 | 1.00 | ug/L | 68.0 | 10-137 |

| 80190308 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl (Surr) | 38.5 | 50.0 | 1.00 | ug/L | 77.0 | 10-137 |

| 80190309 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| -Terphenyl (Surr) | 28.1 | 50.0 | 1.00 | ug/L | 56.3 | 10-137 |

| 80190310 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| P-Terphenyl (Surr) | 45.1 | 50.0 | 1.00 | ug/L | 90.2 | 10-137 |

| 80190311 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| -Terphenyl (Surr) | 35.4 | 50.0 | 1.00 | ug/L | 70.7 | 10-137 |

| N80190312 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl (Surr) | 30.7 | 50.0 | 1.00 | ug/L | 61.4 | 10-137 |

| N80190313 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl (Surr) | 25.9 | 50.0 | 1.00 | ug/L | 51.7 | 10-137 |

| N80190314 | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| P-Terphenyl (Surr) | 31.8 | 50.0 | 1.00 | ug/L | 63.6 | 10-137 |

| Q8138055 **MB** | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| P-Terphenyl (Surr) | 33.4 | 50.0 | 1.00 | ug/L | 66.8 | 10-137 |

| Q8138053 **LCS** | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl | 38.4 | 50.0 | 1.00 | ug/L | 76.8 | 10-137 |

| NQ8138054 **LCSD** | Value | Spike | DL | Units | REC(%) | Limits(%) |
|---|---|---|---|---|---|---|
| Terphenyl | 36.2 | 50.0 | 1.00 | ug/L | 72.5 | 10-137 |

# QA/QC REPORT

| | | | |
|---|---|---|---|
| Ledger # | N801903 | Prep Method | 418.1 |
| Analyzed by | MKM | Prepared by | SM |
| QA/QC Batch ID | 0514980018 | Analysis Method | 418.1 |
| MS/MSD Ref ID | | Matrix | LIQUID |

| NQ8134056 | MB | Value | RL | Units |
|---|---|---|---|---|
| TPH(FTIR) | | Below RL | 0.500 | mg/L |

| NQ8134054 | LCS | Value | Spike Value | Units | REC(%) | Control Limits (%) |
|---|---|---|---|---|---|---|
| TPH(FTIR) | | 2.07 | 2.04 | mg/L | 101 | 80-120 |

| NQ8134055 | LCSD | Value | Spike Value | Units | REC(%) | Control Limits (%) | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| TPH(FTIR) | | 1.97 | 2.04 | mg/L | 96.3 | 80-120 | 5.08 | 20.0 |

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MSD : Matrix Spike Duplicate
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LCSD: Lab Control Spike Duplicate
MB : Method Blank
PDS : Post-Digestion Spike

# HYDROLOGIC, INC.

*Chain of Custody Record*



☐ Asheville, NC (704) 254-5169 ☐ Norcross, GA (770) 368-0636 ☐ Frankfort KY (502) 223-0251 ☐ Lumberton, NC (910) 738-6190 ☐ Charlotte, NC (704) 392-1164 ☐ Morrisville, NC (919) 380-9699

☐ Brighton, CO (303) 659-0497 ☐ Orlando, FL (407) 851-2560 ☐ Lexington, SC (803) 796-8989 ☐ Richmond, VA (804) 358-3145 ☐ Burlington, NC (910) 570-4661 ☐ Macon, GA (912) 757-0811

| | |
|---|---|
| Client: USACE | Project No.: MAYPORT 1490 |
| Report Address: P.O. Box 889 | Invoice Address: |
| SAVANNAH, GA 31402 | |
| Attn: MARK HARVISON | Attn: |
| Phone No.: 912-652-5151 | Sampled By: AMIRON, J. SMITH |
| Fax No.: 912-652-5311 | P.O. No: 0096 |
| | State Samples Collected FLORIDA |

**TURNAROUND TIME**

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed:

**REQUESTED PARAMETERS**

**LAB CODE I.D.**

A = Asheville, NC
B = Burlington, NC
C = Charlotte, NC
D = Denver, CO
E = Lexington, SC
G = Macon,GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
N = Norcross, GA
O = Orlando, FL
R = Richmond, VA
S = Subcontracted

| Sample ID | Date | Time | Comp/ Grab | Matrix | Containers | HCl | $H_2SO_4$ | — | | | | | | | | ← Preserv. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 8260 | 418.1 ~~8270~~ OIL | 610/8310 | | | | | | | | | |
| TRIP BLANKS | | | | AQUEOUS | 3 | 3 | — | — | | | | | | | | | |
| MAY-1490-5D | 5/11/98 | 1038 | GRAB | AQUEOUS | 2 | 2 | — | — | | | | | | | | | |
| MAY-1490-6A | 5/11/98 | 1043 | GRAB | AQUEOUS | 2 | 2 | — | — | | | | | | | | | |
| MAY-1490-2A | 5/11/98 | 1050 | GRAB | AQUEOUS | 2 | 2 | — | — | | | | | | | | | |
| MAY-1490-DUP-1 | 5/11/98 | 1000 | GRAB | AQUEOUS | 2 | 2 | — | — | | | | | | | | | |
| MAY-1490-3A | 5/11/98 | 1055 | GRAB | AQUEOUS | 2 | 2 | — | — | | | | | | | | | |
| MAY-1490-4 | 5/11/98 | 1102 | GRAB | AQUEOUS | 4 | 2 | 1 | 1 | | | | | | | | | |
| MAY-1490-1A | 5/11/98 | 1106 | GRAB | AQUEOUS | 4 | 2 | 1 | 1 | | | | | | | | | |
| MAY-1490-BLK-1 | 5/11/98 | 1110 | GRAB | AQUEOUS | 4 | 2 | 1 | 1 | | | | | | | | NO SULFURIC ACID | |
| | | | | | | | | | | | | | | | | 3°C | |

**Lab Use Only** **Custody Seal:** ☐Yes ☐No ☐N/A **Init Lab Temp.** **Rec. Lab Temp**

COMMENTS:

N801903

| | | | |
|---|---|---|---|
| Relinquished By: [signature] | Date 12-MAY-98 Time 16:00 | Received By: SHIPPING | Date 12-MAY-98 Time 16:00 |
| Relinquished By: | Date Time | Received By: [signature] | Date 5/13/98 Time 10:30 |
| Relinquished By: | Date Time | Received By: | Date Time |
| | Date Time | Received By: | Date Time |

# HYDROLOGIC, INC.

*Chain of Custody Record*



☐ Asheville, NC (704) 254-5169 ☐ Norcross, GA (770) 368-0636 ☐ Frankfort KY (502) 223-0251 ☐ Lumberton, NC (910) 738-6190 ☐ Charlotte, NC (704) 392-1164 ☐ Morrisville, NC (919) 380-9699
☐ Brighton, CO (303) 659-0497 ☐ Orlando, FL (407) 851-2560 ☐ Lexington, SC (803) 796-8989 ☐ Richmond, VA (804) 358-3145 ☐ Burlington, NC (910) 570-4661 ☐ Macon, GA (912) 757-0811

Client: USACE
Report Address: PO BOX 889
SAVANNAH GA 31401
Attn: MARK HARVISON
Phone No: (912) 652-5151
Fax No.: (912) 652-5311

Project No.: MAYPORT 1490
Invoice Address: 100W OGLETHORPE AVE
SAVANNAH, GA 31402
Attn: MARK HARVISON
Sampled By: JUDSON SMITH, DEREK ANDON
P.O. No: 0096
State Samples Collected: FLA

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☐ 5 Days ☐ 10 Days
Date Needed: 3-7 DAY TURN-AR.

REQUESTED PARAMETERS: 601 / 8310 / 418.1

LAB CODE I.D.
A = Asheville, NC
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L = Lumberton, NC
M = Morrisville, NC
N = Norcross, GA
O = Orlando, FL
R = Richmond, VA
S = Subcontracted

| Sample ID | Date | Time | Comp/ Grab | Matrix | Containers | — | $H_2SO_4$ | | | | | | | | | ← Preserv. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY-1490-5D | 5/11/98 | 1038 | GRAB | AQUEOUS | 2 | 1 | 1 | | | | | | | | | | |
| MAY-1490-6A | 5/11/98 | 1045 | GRAB | AQUEOUS | 2 | 1 | 1 | | | | | | | | | | NO SULFURIC ACID |
| MAY-1490-2A | 5/11/98 | 1050 | GRAB | AQUEOUS | 2 | 1 | 1 | | | | | | | | | | |
| MAY-1490-DUP-1 | 5/11/98 | 1000 | GRAB | AQUEOUS | 2 | 1 | 1 | | | | | | | | | | |
| MAY-1490-3A | 5/11/98 | 1055 | GRAB | AQUEOUS | 2 | 1 | 1 | | | | | | | | | | |

For Lab Use Only: Custody Seal: ☐ Yes ☐ No ☐ N/A | Init Lab Temp. | Rec. Lab Temp 2°C

COMMENTS:

NBO 1903

| Relinquished By: | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12-May 98 | 16 | SHIPPING | 12-May 98 | 16:00 |
| Relinquished By: | Date | Time | Received By: [signature] | 5/13/98 | 10:30 |
| Relinquished By: | Date | Time | Received By: | Date | Time |