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ADDENDUM 4 TO CONTAMINATION ASSESSMENT REPORT FOR BUILDING 1490 SIMA SHOPS NS MAYPORT FL

7/1/1999

U S ARMY CORPS OF ENGINEERS

ADDENDUM 4
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

JULY 1999

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 addendum 3 of the CAR can be found in attachment 1.

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. The relationships of the former well locations with their replacements are shown on figure 1 (attachment 3). A copy of the UST Closure Report was presented in addendum 3.

Although the work described in the Closure Report referred to the removal of an "oil/water separator", the UST removed from the site was in fact an underground waste oil storage tank (see attachment 2). Soil and ground-water sampling and analysis data presented in the Closure Report are associated with the closure of the waste oil UST.

The original CAR for the site (May 1992) described free product petroleum (0.05' and 0.17' respectively) found in two compliance wells, MPT-1490-1 and MPT-1490-2, which was apparently predominately associated with the area of the tank backfill. A subsequent monthly free product monitoring/recovery program initiated in February 1993 did not detect product in any of the site wells until a June 1993 sampling event, as part of supplemental work at the site, revealed that well MPT-1490-1 indicated 0.06' of free product. Subsequent monthly product checks through July 1994 did not detect any free product.

In December 1993 FDEP requested that compliance wells MPT-1490-1 and MPT-1490-2 be sampled for EPA methods 608, 624, and 625. No contaminants were found above detection limits for that sampling event.

RESULTS OF SUPPLEMENTAL ASSESSMENT

At FDEP's request, an additional shallow monitoring well, MAY-1490-7 was installed near the location of former compliance well MPT-1490-1, as shown on figure 1 (attachment 3). Construction information

for all monitoring wells, including new well MAY-1490-7, is contained in table 1 (attachment 4). The installation log of the new well is located in attachment 5.

After installation of the new well, it was sampled along with wells MAY-1490-2A and MAY-1490-6A on March 27 1999 for FL-PRO and EPA methods 8260 (+MTBE), 8270 and RCRA metals (6010 and 7470). A summary of the analytical results is contained in table 2 (attachment 6). Laboratory analytical data sheets are in attachment 7. Although these results indicate that all parameters analyzed for in the wells were below detection limits, the detection limits for seven EPA 8270 analytes and two EPA 8260 analytes were above maximum contaminant levels (MCLs) for those analytes.

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

Although this supplemental re-sampling and laboratory analysis of wells at the site indicates that there is apparently little if any remaining ground-water contamination at the site, some of the analytical data is not definitive enough to allow a regulatory decision to be made. Since this deficiency has been noted on the last two sampling events, either a different laboratory will be contracted or different (equivalent) analytical methods will be used for future sampling events, in order to meet the required detection limits.

Based on the results of free product monitoring of wells, and since analytical results indicate that if contamination exists at the site, it is relatively low-level, it is proposed that a Monitoring Only Plan (MOP) be implemented at the site for EPA methods 8260 (+MTBE) and 8270, and FL-PRO. The results of the MOP are expected to show that if limited contamination exists at the site, it will not increase or migrate substantially from present conditions. The MOP would require quarterly sampling of several wells at the site for a period of one year, after which if monitoring results warrant, a No Further Action Proposal (NFAP) would be recommended.

LIST OF ATTACHMENTS

- ATTACHMENT 1 - FDEP COMMENTS AND REQUEST FOR SUPPLEMENTAL ASSESSMENT
- ATTACHMENT 2 – NAVAL STATION MAYPORT MEMO
- ATTACHMENT 3 – FIGURE 1 - DATA SUMMARY MAP
- ATTACHMENT 4 – TABLE 1 – MONITORING WELL DATA
- ATTACHMENT 5 – MONITORING WELL INSTALLATION LOG
- 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 23, 1998

Ms. Beverly Washington
Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive, PO Box 190010
North Charleston, SC 29419-9010

file: sima_ad3.doc

RE: Addendum 3 to Contamination Assessment Report Building 1490-SIMA Shop, NAVSTA Mayport

Dear Ms. Washington,

I have reviewed the above document dated September 1998 (received September 17, 1998). The following comments should be adequately addressed before the document can be considered final:

1. Project definition: My understanding of this project was that it was removal of an underground storage tank that contained waste oil from an oil/water separator. Documentation appended to the report indicates that although Attachment 5 should be a UST Closure Report, the attachment is for closure of an oil/water separator. Please fully document the work that was accomplished during the period for which the report has been prepared. If an underground storage tank was removed, please submit the closure documentation, including any soil and water sampling analytical results.

2. Background: Please document the location of the newly installed wells relative to the former wells since I cannot tell how much "offsets due to obstructions" actually is.

3. Results of Supplemental Assessment (including Figure 1): Please do not use "BDL" to report analytical values. Please present analytical results in a summary table which identifies each sample location, the analytical method that was used, the analytical value or the detection limit for the parameter if the analytical value was below the detection limit. For example, in all of the latest samples, the reporting limits were above the maximum contaminant limits for benzene, which was given as "BDL." If "BDL" is used and I do not check the detection limits for each analysis, I cannot tell if the data are suitable for regulatory decisions. If the reporting limit is above the MCL, I cannot reasonably conclude that the sample meets regulatory standards or guidelines and consequently, I must judge the data as suspect. Please see Note 1 of Table II in Chapter 62-770, F.A.C.,

which states that detection limits shall meet the specified cleanup target levels. I suggest that the Navy discuss this with the contract laboratory and reconcile the problem.

4. Summary of Supplemental Assessment: The recommendation of No Further Action is not appropriate at this time. Page 1 of the appended Closure Assessment Report noted that the oil/water separator (OWS) that was removed contained waste oil; therefore, ground water and soil samples, including the recent sampling of the permanent monitoring wells, should have been analyzed for the chemicals of concern in Table II of Chapter 62-770, F.A.C. Please note that this includes analysis for TRPH by the FL-PRO method. If an oil/water separator was removed, please indicate the former location of the OWES on Figure 1. I suggest that the Navy submit all of the possible closure documents to me before the next sampling event. I am concerned because I do not have information regarding the soil and water analyses that were (may have been) obtained nor their locations during the closure.

5. Sampling: examination of the prior Contamination Assessment Report and of Figure 1 in Addendum 1, dated September 1993, indicates that an area of free product existed at compliance well MPT-1490-2 and that the approximate areal extent of ground water contamination extended beyond compliance well MPT-1490-2. The present Addendum 4 does not document the disposition of the free product, the compliance wells, the associated soil nor any results from a temporary well that may have been emplaced at the location of the former underground storage tank. If this information exists, please submit it. In the absence of adequate information in this regard, please conduct soil borings at the location of the former UST, utilizing the general applicable guidelines, including analytical protocols in the current Closure Assessment handbook, Revision of April 1998. Additionally, please install a shallow monitoring well at the approximate location of the southwest corner of the former UST, near for location of former compliance well MPT-1490-1. Please sample this well and monitoring wells MAY-1490-2A and MAY-1490-6A and conduct analyses for the chemicals of concern in Table II of Chapter 62-770, F.A.C. Please note that this includes analysis for TRPH by the FL-PRO method. Please conduct water level measurements at the site monitoring wells and prepare an updated ground water flow map.

6. Following the sampling event, please evaluate the analytical results, remembering the necessity for usable detection limits. If the analyses indicates significant ground water contamination, additional assessment may be required, as provided in Chapter 62-770, F.A.C. If you wish, I would be happy to meet with you and Mr. Cardwell Smith either at our next partnerning meeting or by teleconference when the data are available, prior to preparation of the next monitoring report.

Thank you for the opportunity to review this document. If you need further clarification or other assistance, please contact me at (850) 921-4230.

Sincerely,

James H. Cason, P.G.
Remedial Project Manager

cc: Jan Bouvier, NAVSTA Mayport
Randy Bishop, NAVSTA Mayport

TJB R JJC JC ESN ESN

Printed on recycled paper.

ATTACHMENT 2

NAVAL STATION MAYPORT MEMO

STAFF CIVIL ENGINEER DEPARTMENT
NAVAL STATION
MAYPORT, FLORIDA 32228-0067

IN REPLY REFER TO:
5090.16
N4E7
10-Mar-999

MEMORANDUM

From: Jan Bovier, Environmental Division, Naval Station Mayport
To: Cardwell Smith, US Army Corps of Engineers, Savannah District

Via: Cheryl Mitchell, Environmental Director, Naval Station Mayport CM

Subj: CLARIFICATION OF WORK PERFORMED ON TANK 1490 (SIMA)

Ref: (a) Closure Assessment Report for Tank 1490 dated 23 April 1997
(b) Contract #N62467-96-R-2520, "Remove/Replace Underground Storage Tank, Building 1488, Naval Station Mayport

Encl: (1) Digital Photographs of Subject Tank dated 09 March 1999

1. Questions have arisen from Florida Department of Environmental Protection regarding reference (a). The contractor's report references the tank as an oil/water separator throughout the report, when it was actually an underground storage tank. Reference (b), Section 01010, paragraph 2 General Description states: "The work includes removal and replacement of an underground, waste oil storage tank. The existing tank is precast concrete and will be replaced with a double wall fiberglass tank with interstitial leak detection. Preparation of a tank closure report per Florida Department of Environmental Protection Regulation 17-761 will be required. Existing piping that connects three (3) existing oil/water separators to the storage tank will be removed and replaced with containment piping. The containment piping will have interstitial monitoring. The existing separators are housed in concrete vaults which will be cleaned and relined. New lids for the vaults will be installed that includes access hatches and incidental related work."

2. Enclosure (1) is being sent for your use and information.

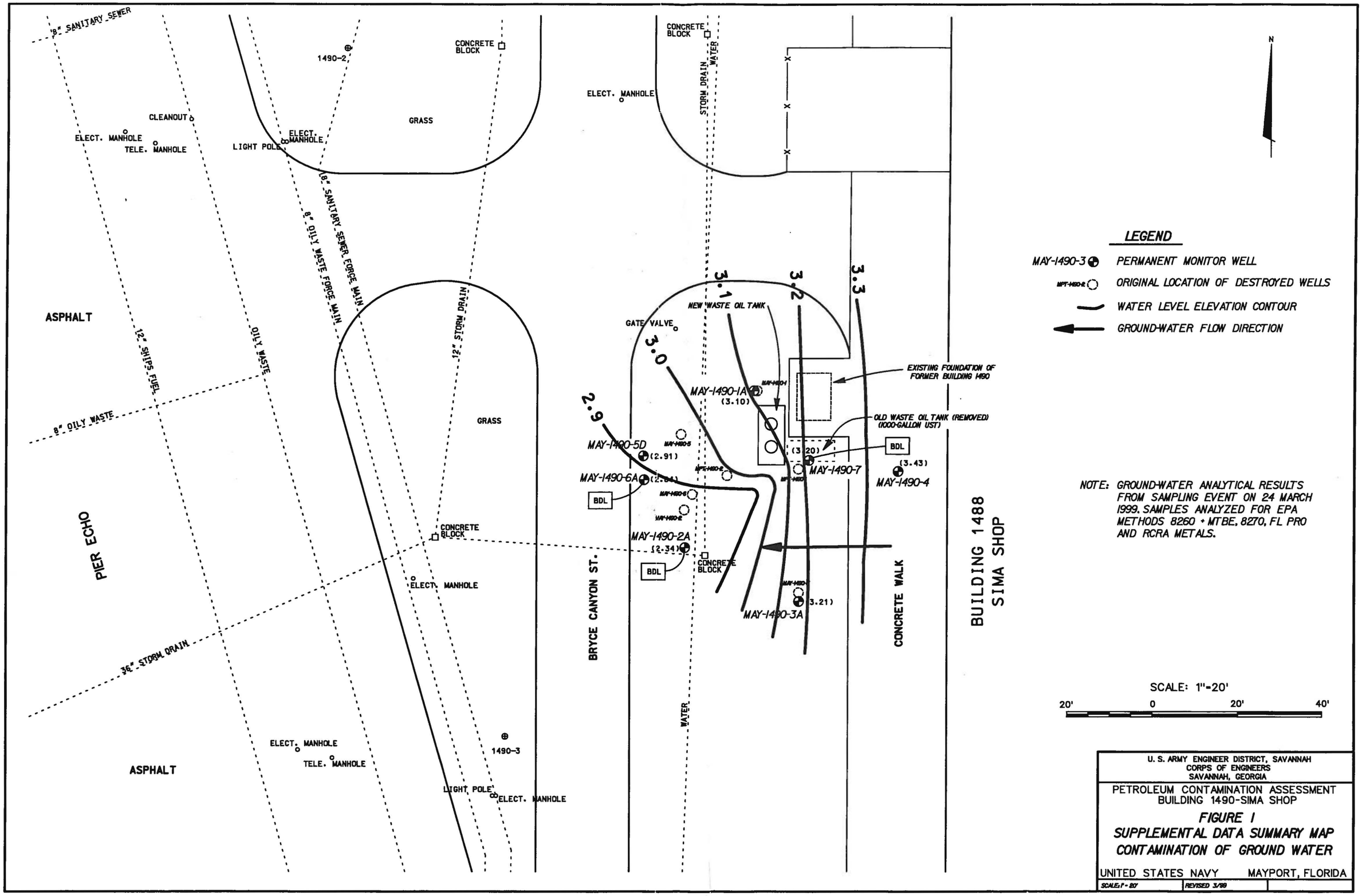
3. Please refer any questions to Mr. Jan Bovier, at (904) 2700-6730 or FAX at (904) 270-7398.

Jan B Bovier
Jan Bovier

Copy to:
SOUTHDIV, Beverly Washington (Code 1848)

ATTACHMENT 3

FIGURE 1 - DATA SUMMARY MAP


8" SANITARY SEWER
1490-2
CONCRETE BLOCK
GRASS
CLEANOUT
ELECT. MANHOLE
TELE. MANHOLE
LIGHT POLE
ELECT. MANHOLE
8" SANITARY SEWER FORCE MAIN
8" OILY WASTE FORCE MAIN
ASPHALT
12" SHIPS FUEL
OILY WASTE
12" STORM DRAIN
8" OILY WASTE
GRASS
PIER ECHO
CONCRETE BLOCK
ELECT. MANHOLE
36" STORM DRAIN
ELECT. MANHOLE
TELE. MANHOLE
ASPHALT
1490-3
LIGHT POLE
ELECT. MANHOLE
BRYCE CANYON ST.
CONCRETE BLOCK
ELECT. MANHOLE
STORM DRAIN
WATER
GATE VALVE
NEW WASTE OIL TANK
3.0
3.1
3.2
3.3
2.9
MAY-1490-1A
(3.10)
MAY-1490-5D
(2.91)
MAY-1490-6A
BDL
MAY-1490-2A
(2.34)
BDL
CONCRETE BLOCK
EXISTING FOUNDATION OF FORMER BUILDING 1490
OLD WASTE OIL TANK (REMOVED) (1000-GALLON UST)
(3.20)
MAY-1490-7
BDL
(3.43)
MAY-1490-4
MAY-1490-3A
(3.21)
CONCRETE WALK
BUILDING 1488
SIMA SHOP
N
LEGEND
MAY-1490-3 PERMANENT MONITOR WELL
ORIGINAL LOCATION OF DESTROYED WELLS
WATER LEVEL ELEVATION CONTOUR
GROUND-WATER FLOW DIRECTION
NOTE: GROUND-WATER ANALYTICAL RESULTS FROM SAMPLING EVENT ON 24 MARCH 1999. SAMPLES ANALYZED FOR EPA METHODS 8260 + MTBE, 8270, FL PRO AND RCRA METALS.
SCALE: 1"=20'
20' 0 20' 40'
U. S. ARMY ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA
PETROLEUM CONTAMINATION ASSESSMENT
BUILDING 1490-SIMA SHOP
FIGURE 1
SUPPLEMENTAL DATA SUMMARY MAP
CONTAMINATION OF GROUND WATER
UNITED STATES NAVY MAYPORT, FLORIDA
SCALE: 1" = 20'
REVISED 3/99
D:\MAY1490\SUM399.DGN

ATTACHMENT 4

TABLE 1 – MONITORING WELL DATA

TABLE 1

MONITORING WELL DATA

BUILDING 1490
MAYPORT NAVAL STATION
MAYPORT, FLORIDA

24 MARCH 1999

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	4.95	3.10
MAY-1490-2A	12.10	"	6.96	1.8 – 11.3	4.62	2.34
MAY-1490-3A	12.31	"	7.49	1.8 – 11.3	4.28	3.21
MAY-1490-4	12.82	"	8.93	3.4 – 12.4	5.50	3.43
MAY-1490-5D	22.55	"	7.14	17.2 – 21.7	4.23	2.91
MAY-1490-6A	12.44	"	7.12	1.9 – 11.4	4.28	2.84
MAY-1490-7	12.50	"	8.81	2.0 – 11.5	5.61	3.20

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

ATTACHMENT 5

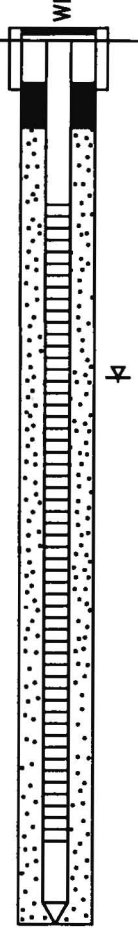
MONITORING WELL INSTALLATION LOG

SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND
GROUNDWATER MONITORING WELL INSTALLATION REPORT

TITLE: Mayport Naval Station Bldg. 1490-SIMA Shops		**LOG of WELL:** MAY-1490-7	**BORING NO.**
CLIENT: SOUTHNAVFACENGCOM			**PROJECT NO:**
CONTRACTOR: USACE - Sav. District		**DATE STARTED:** 17 MAR 99	**COMPLTD:** 17 MAR 99
METHOD: 7" O.D. HSA	**CASE SIZE:** 2" PVC	**SCREEN INT.:** 2.0'-11.5'	**PROTECTION LEVEL:** D
TOC ELEV.: 7.89'	**MONITOR INST.:** OVA	**TOT. DEPTH:** 12.5'	**DEPTH TO ∇** 4.8'
LOGGED BY: C. SMITH	**WELL DEVELOPMENT DATE:** 17 MAR 99		**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	
5					(SM) Tan, fine grained, silty sand.		SM	
					Odor of H_2S.			
10								
15					NOTE: SOILS VISUALLY FIELD CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.			
20								

WELL DATA



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ATTACHMENT 6

TABLE 2 – SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490 - SIMA SHOPS
MAYPORT NAVAL STATION
MAYPORT FLORIDA

27 MARCH 1999

PARAMETER	MONITOR WELL NUMBER						
	MAY 1490-2A 3-99	MAY 1490-6A 3-99	MAY 1490-6A 3-99 DUPLICATE	MAY 1490-7 3-99	RINSATE BLANK	TRIP BLANK	MCL OR TARGET CLEANUP LEVEL
FLORIDA PRO (3510C) ug/L							
PETROLEUM RESIDUAL ORGANICS (TRPH)	<208	<202	<202	<206**	<202	NA	5 mg/L
EXTRACTABLE ORGANICS (8270C) ug/L							
ACENAPHTHENE	<10	<10	<10	<10	<10	NA	20 ug/L
ACENAPHTHYLENE	<10	<10	<10	<10	<10	NA	210 ug/L
ANTHRACENE	<10	<10	<10	<10	<10	NA	2100 ug/L
BENZO(A)ANTHRACENE	<10	<10	<10	<10	<10	NA	0.2 ug/L
BENZO(A)PYRENE	<10	<10	<10	<10	<10	NA	0.2 ug/L
BENZO(B)FLUORANTHENE	<10	<10	<10	<10	<10	NA	0.2 ug/L
BENZO(G,H,I)PERYLENE	<10	<10	<10	<10	<10	NA	210 ug/L
BENZO(K)FLUORANTHENE	<10	<10	<10	<10	<10	NA	0.5 ug/L
4-BROMOPHENYL-PHENYLETHER	<10	<10	<10	<10	<10	NA	
BUTYLBENZYLPHTHALATE	<10	<10	<10	<10	<10	NA	
CARBAZOLE	<10	<10	<10	<10	<10	NA	
4-CHLORO-3-METHYLPHENOL	<10	<10	<10	<10	<10	NA	
4-CHLOROANILINE	<10	<10	<10	<10	<10	NA	
BIS(2-CHLOROETHOXY)MEHTANE	<10	<10	<10	<10	<10	NA	
BIS(2-CHLOROETHYL)ETHER	<10	<10	<10	<10	<10	NA	
BIS(2-CHLOROISOPROPYL)ETHER	<10	<10	<10	<10	<10	NA	
2-CHLORONAPHTHALENE	<10	<10	<10	<10	<10	NA	
2-CHLOROPHENOL	<10	<10	<10	<10	<10	NA	
4-CHLOROPHENYL-PHENYLETHER	<10	<10	<10	<10	<10	NA	
CHRYSENE	<10	<10	<10	<10	<10	NA	5 ug/L
DIBENZOFURAN	<10	<10	<10	<10	<10	NA	
DIBENZ(A,H)ANTHRACENE	<10	<10	<10	<10	<10	NA	0.2 ug/L
1,2-DICHLOROBENZENE	<10	<10	<10	<10	<10	NA	
1,3-DICHLOROBENZENE	<10	<10	<10	<10	<10	NA	
1,4-DICHLOROBENZENE	<10	<10	<10	<10	<10	NA	
3,3-DICHLOROBENZIDINE	<20	<20	<20	<20	<20	NA	
2,4-DICHLOROPHENOL	<10	<10	<10	<10	<10	NA	
DIETHYLPHTHALATE	<10	<10	<10	<10	<10	NA	
DI-N-BUTYLPHTHALATE	<10	<10	<10	<10	<10	NA	
4,6-DINITRO-2-METHYLPHENOL	<25	<25	<25	<25	<25	NA	
2,4-DINITROPHENOL	<25	<25	<25	<25	<25	NA	
2,4-DINITROTOLUENE	<10	<10	<10	<10	<10	NA	
2,6-DINITROTOLUENE	<10	<10	<10	<10	<10	NA	
DI-N-OCTYLPHTHALATE	<10	<10	<10	<10	<10	NA	
FLUORANTHENE	<10	<10	<10	<10	<10	NA	280 ug/L
FLUORENE	<10	<10	<10	<10	<10	NA	280 ug/L
HEXACHLOROBENZENE	<10	<10	<10	<10	<10	NA	

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490 - SIMA SHOPS
MAYPORT NAVAL STATION
MAYPORT FLORIDA

27 MARCH 1999

MONITOR WELL NUMBER

PARAMETER	MAY 1490-2A 3-99	MAY 1490-6A 3-99	MAY 1490-6A 3-99 DUPLICATE	MAY 1490-7 3-99	RINSATE BLANK	TRIP BLANK	MCL OR TARGET CLEANUP LEVEL
HEXACHLOROBUTADIENE	<10	<10	<10	<10	<10	NA	
HEXACHLOROCYCLOPENTADIENE	<10	<10	<10	<10	<10	NA	
HEXACHLOROETHANE	<10	<10	<10	<10	<10	NA	
INDENO(1,2,3-CD)PYRENE	<10	<10	<10	<10	<10	NA	0.2 ug/L
ISOPHORONE	<10	<10	<10	<10	<10	NA	
2-METHYLNAPHTHALENE	<10	<10	<10	<10	<10	NA	
2-METHYLPHENOL	<10	<10	<10	<10	<10	NA	
3 AND 4 METHYLPHENOL	<10	<10	<10	<10	<10	NA	
NAPHTHALENE	<10	<10	<10	<10	<10	NA	20 ug/L
2-NITROANILINE	<25	<25	<25	<25	<25	NA	
3-NITROANILINE	<25	<25	<25	<25	<25	NA	
4-NITROANILINE	<25	<25	<25	<25	<25	NA	
NITROBENZENE	<10	<10	<10	<10	<10	NA	
2-NITROPHENOL	<10	<10	<10	<10	<10	NA	
4-NITROPHENOL	<25	<25	<25	<25	<25	NA	
N-NITROSO-DI-N-PROPYLAMINE	<10	<10	<10	<10	<10	NA	
N-NITROSODIPHENYLAMINE	<10	<10	<10	<10	<10	NA	
PENTACHLOROPHENOL	<25	<25	<25	<25	<25	NA	
PHENANTHRENE	<10	<10	<10	<10	<10	NA	210 ug/L
PHENOL	<10	<10	<10	<10	<10	NA	
PYRENE	<10	<10	<10	<10	<10	NA	210 ug/L
BIS(2-ETHYLHEXYL)PHTHALATE	<10	<10	<10	<10	<10	NA	
1,2,4-TRICHLOROBENZENE	<10	<10	<10	<10	<10	NA	
2,4,5-TRICHLOROPHENOL	<25	<25	<25	<25	<25	NA	
2,4,6-TRICHLOROPHENOL	<10	<10	<10	<10	<10	NA	
VOLATILE ORGANIC COMPOUNDS (8260) ug/L							
ACETONE	<10	<10	<10	<10	<10	<10	
BENZENE	<2	<2	<2	<2	<2	<2	1 ug/L
BROMOBENZENE	<2	<2	<2	<2	<2	<2	
BROMOFORM	<2	<2	<2	<2	<2	<2	
BROMOMETHANE	<2	<2	<2	<2	<2	<2	
2-BUTANONE (MEK)	<10	<10	<10	<10	<10	<10	
N-BUTYLBENZENE	<2	<2	<2	<2	<2	<2	
SEC-BUTYLBENZENE	<2	<2	<2	<2	<2	<2	
T-BUTYLBENZENE	<2	<2	<2	<2	<2	<2	
CARBON DISULFIDE	<2	<2	<2	<2	<2	<2	
CARBON TETRACHLORIDE	<2	<2	<2	<2	<2	<2	
CHLOROBENZENE	<2	<2	<2	<2	<2	<2	
CHLOROETHANE	<2	<2	<2	<2	<2	<2	
2-CHLOROETHYLVINYL ETHER	<5	<5	<5	<5	<5	<5	
CHLOROFORM	<2	<2	<2	<2	<2	<2	

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490 - SIMA SHOPS
MAYPORT NAVAL STATION
MAYPORT FLORIDA

27 MARCH 1999

MONITOR WELL NUMBER

PARAMETER	MAY 1490-2A 3-99	MAY 1490-5A 3-99	MAY 1490-6A 3-99 DUPLICATE	MAY 1490-7 3-99	RINSATE BLANK	TRIP BLANK	MCL OR TARGET CLEANUP LEVEL
CHLOROMETHANE	<2	<2	<2	<2	<2	<2	
2-CHLOROTOLUENE	<2	<2	<2	<2	<2	<2	
4-CHLOROTOLUENE	<2	<2	<2	<2	<2	<2	
1,2-DIBROMO-3-CHLOROPROPANE	<10	<10	<10	<10	<10	<10	
DIBROMOCHLOROMETHANE	<2	<2	<2	<2	<2	<2	
1,2-DIBROMOETHANE	<2	<2	<2	<2	<2	<2	0.02 ug/L
DIBROMOMETHANE	<2	<2	<2	<2	<2	<2	
1,2-DICHLOROBENZENE	<2	<2	<2	<2	<2	<2	
1,3-DICHLOROBENZENE	<2	<2	<2	<2	<2	<2	
1,4-DICHLOROBENZENE	<2	<2	<2	<2	<2	<2	
DICHLORODIFLUOROMETHANE	<2	<2	<2	<2	<2	<2	
1,1-DICHLOROETHANE	<2	<2	<2	<2	<2	<2	
1,2-DICHLOROETHANE	<2	<2	<2	<2	<2	<2	3 ug/L
1,1-DICHLOROETHENE	<2	<2	<2	<2	<2	<2	
CIS 1,2-DICHLOROETHENE	<2	<2	<2	<2	<2	<2	
TRANS-1,2-DICHLOROETHENE	<2	<2	<2	<2	<2	<2	
1,2-DICHLOROPROPANE	<2	<2	<2	<2	<2	<2	
1,3-DICHLOROPROPANE	<2	<2	<2	<2	<2	<2	
2,2-DICHLOROPROPANE	<2	<2	<2	<2	<2	<2	
1,1-DICHLOROPROPENE	<2	<2	<2	<2	<2	<2	
CIS-1,3-DICHLOROPROPENE	<2	<2	<2	<2	<2	<2	
TRANS-1,3-DICHLOROPROPENE	<2	<2	<2	<2	<2	<2	
EHTYLBENZENE	<2	<2	<2	<2	<2	<2	30 ug/L
HEXACHLOROBUTADIENE	<2	<2	<2	<2	<2	<2	
2-HEXANONE	<10	<10	<10	<10	<10	<10	
ISOPROPYLBENZENE	<2	<2	<2	<2	<2	<2	
4-ISOPROPYLTOLUENE	<2	<2	<2	<2	<2	<2	
4-METHAL-2-PENTANONE	<10	<10	<10	<10	<10	<10	
METHYLENE CHLORIDE	<10	<10	<10	<10	<10	<10	
NAPHTHALENE	<2	<2	<2	<2	<2	<2	20 ug/L
N-PROPYLBENZENE	<2	<2	<2	<2	<2	<2	
STYRENE	<2	<2	<2	<2	<2	<2	
1,1,1,2-TETRACHLOROETHANE	<2	<2	<2	<2	<2	<2	
1,1,2,2-TETRACHLOROETHANE	<2	<2	<2	<2	<2	<2	
TETRACHLOROETHENE (PCE)	<2	<2	<2	<2	<2	<2	
TOLUENE	<2	<2	<2	<2	<2	<2	40 ug/L
1,2,3-TRICHLOROBENZENE	<2	<2	<2	<2	<2	<2	
1,2,4-TRICHLOROBENZENE	<2	<2	<2	<2	<2	<2	
1,1,1-TRICHLOROETHANE	<2	<2	<2	<2	<2	<2	
1,1,2-TRICHLOROETHANE	<2	<2	<2	<2	<2	<2	
TRICHLOROETHENE (TCE)	<2	<2	<2	<2	<2	<2	

TABLE 2

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

BUILDING 1490 - SIMA SHOPS
MAYPORT NAVAL STATION
MAYPORT FLORIDA

27 MARCH 1999

MONITOR WELL NUMBER

PARAMETER	MAY 1490-2A 3-99	MAY 1490-6A 3-99	MAY 1490-6A 3-99 DUPLICATE	MAY 1490-7 3-99	RINSATE BLANK	TRIP BLANK	MCL OR TARGET CLEANUP LEVEL
1,2,3-TRICHLOROPROPANE	<2	<2	<2	<2	<2	<2	
1,2,4-TRIMETHYLBENZENE	<2	<2	<2	<2	<2	<2	
1,3,5-TRIMETHYLBENZENE	<2	<2	<2	<2	<2	<2	
VINYL CHLORIDE	<2	<2	<2	<2	<2	<2	
XYLENES (TOTAL)	<2	<2	<2	<2	<2	<2	20 ug/L
BROMODICHLOROMETHANE	<2	<2	<2	<2	<2	<2	
TRICHLOROFLUOROMETHANE	<2	<2	<2	<2	<2	<2	
METHYL TERT-BUTYL ETHER (MTBE)	<10	<10	<10	<10	<10	<10	35 ug/L
METALS, mg/L							
ARSENIC, TOTAL (6010B)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	50 ug/L
BARIUM, TOTAL (6010B)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	2000 ug/L
CADMIIUM, TOTAL (6010B)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	5 ug/L
CHROMIUM, TOTAL (6010B)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	100 ug/L
LEAD, TOTAL (6010B)	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	NA	15 ug/L
MERCURY, TOTAL (7470)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	NA	2 ug/L
SELENIUM, TOTAL (6010B)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	50 ug/L
SILVER, TOTAL (6010B)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	100 ug/L

Notes: - NA = Not Analyzed
- Shaded values indicate detection limit above regulatory limit.

ATTACHMENT 7

LABORATORY ANALYTICAL RESULTS

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859

1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44206
Sample ID: TRIP BLANK
Sample Type: Ground water
Site ID:

Date Collected:
Time Collected:
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
2-Chloroethylvinylether	ND	ug/l	5	2	1	3/29/99	16:40	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44206
Sample ID: TRIP BLANK

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	3/29/99	16:40	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Vinyl chloride	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	3/29/99	16:40	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	3/29/99	16:40	R.Ward	8260B	8568

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	105.	60. - 138.
VOA Surrogate, Toluene d8	100.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	96.	73. - 122.
VOA Surrogate, Dibromofluoromethane	100.	74. - 133.

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44206
Sample ID: TRIP BLANK

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859

1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44207
Sample ID: MAY-1490-2A-3-99
Sample Type: Ground water
Site ID:

Date Collected: 3/24/99
Time Collected: 17:30
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Florida Pro	ND	ug/l	208.	100.	1	4/ 1/99	2:06	K.Phelps	FDEP	299
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Acenaphthylene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Anthracene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Benzo(a)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Benzo(a)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Butylbenzylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Carbazole	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Chloroaniline	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Chloronaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Chlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Chrysene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Dibenzofuran	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Diethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Dimethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44207
Sample ID: MAY-1490-2A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Di-n-octylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Fluorene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Hexachlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Hexachlorobutadiene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Hexachloroethane	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Isophorone	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Methylnaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Naphthalene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
3-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Nitrobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2-Nitrophenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
4-Nitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Pentachlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Phenanthrene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Phenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Pyrene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	3:49	M. Cobb	8270C	1130
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44207
Sample ID: MAY-1490-2A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	5	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	4/ 2/99	1:19	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
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ANALYTICAL REPORT

Laboratory Number: 99-A44207
Sample ID: MAY-1490-2A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Vinyl chloride	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	4/ 2/99	1:19	R.Ward	8260B	8568
METALS										
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Barium, Total	ND	mg/l	0.0100	0.0100	1	3/31/99	8:58	C.Holmes	6010B	9015
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/31/99	8:58	C.Holmes	6010B	9015
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/31/99	8:58	C.Holmes	6010B	9015
Mercury, Total	ND	mg/l	0.00020	0.00020	1	4/ 2/99	7:03	G.Robinson	7470	8664
Selenium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	960. ml	1.0 ml	3/31/99	Fitzwater	3510
Fla Pro	960. ml	2.0 ml	3/30/99	M. Cauthen	FDEP

Surrogate	% Recovery	Target Range
Fla Pro Surr., O-Terphenyl	65. %	82. - 142.
Fla Pro Surr., C-35 Hydrocarbon	75.	55. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	104.	60. - 138.
VOA Surrogate, Toluene d8	95.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	93.	73. - 122.
VOA Surrogate, Dibromofluoromethane	96.	74. - 133.
surr-Nitrobenzene-d5	51.	15. - 105.
surr-2-Fluorobiphenyl	57.	17. - 110.
surr-Terphenyl d14	85.	10. - 116.
surr-Phenol d5	12.	10. - 100.
surr-2-Fluorophenol	18.	9. - 100.
surr-2,4,6-Tribromophenol	84.	15. - 134.

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ANALYTICAL REPORT

Laboratory Number: 99-A44207
Sample ID: MAY-1490-2A-3-99

Fla-Pro surrogate slightly low; insufficient sample for re-extraction.

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

SPECIALIZED ASSAYS, INC.
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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859

1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44208
Sample ID: MAY-1490-6A-3-99
Sample Type: Ground water
Site ID:

Date Collected: 3/24/99
Time Collected: 18:05
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Florida Pro	ND	ug/l	202.	100.	1	4/ 1/99	2:36	K.Phelps	FDEP	299
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Acenaphthylene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Anthracene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Benzo(a)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Benzo(a)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Butylbenzylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Carbazole	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Chloroaniline	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Chloronaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Chlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Chrysene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Dibenzofuran	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Diethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Dimethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130

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ANALYTICAL REPORT

Laboratory Number: 99-A44208
Sample ID: MAY-1490-6A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Di-n-octylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Fluorene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Hexachlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Hexachlorobutadiene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Hexachloroethane	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Isophorone	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Methylnaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Naphthalene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
3-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Nitrobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2-Nitrophenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
4-Nitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Pentachlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Phenanthrene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Phenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Pyrene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	4:26	M. Cobb	8270C	1130
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44208
Sample ID: MAY-1490-6A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	5	2	1	3/30/99	13:05	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	3/30/99	13:05	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
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ANALYTICAL REPORT

Laboratory Number: 99-A44208
Sample ID: MAY-1490-6A-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Vinyl chloride	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	3/30/99	13:05	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	3/30/99	13:05	R.Ward	8260B	8568
METALS										
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Barium, Total	ND	mg/l	0.0100	0.0100	1	3/31/99	8:58	C.Holmes	6010B	9015
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/31/99	8:58	C.Holmes	6010B	9015
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/31/99	8:58	C.Holmes	6010B	9015
Mercury, Total	ND	mg/l	0.00020	0.00020	1	4/ 2/99	7:03	G.Robinson	7470	8664
Selenium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
DNA's	990. ml	1.0 ml	3/31/99	Fitzwater	3510
Fla Pro	990. ml	2.0 ml	3/30/99	M. Cauthen	FDEP

Surrogate	% Recovery	Target Range
Fla Pro Surr., O-Terphenyl	64. *	82. - 142.
Fla Pro Surr., C-35 Hydrocarbon	83.	55. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	104.	60. - 138.
VOA Surrogate, Toluene d8	103.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	96.	73. - 122.
VOA Surrogate, Dibromofluoromethane	98.	74. - 133.
surr-Nitrobenzene-d5	56.	15. - 105.
surr-2-Fluorobiphenyl	63.	17. - 110.
surr-Terphenyl d14	82.	10. - 116.
surr-Phenol d5	13.	10. - 100.
surr-2-Fluorophenol	20.	9. - 100.
surr-2,4,6-Tribromophenol	88.	15. - 134.

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ANALYTICAL REPORT

Laboratory Number: 99-A44208
Sample ID: MAY-1490-6A-3-99

Fla-Pro Surrogate slightly low; insufficient sample for re-extraction.

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859

1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44209
Sample ID: MAY-1490-7-3-99
Sample Type: Ground water
Site ID:

Date Collected: 3/24/99
Time Collected: 19:05
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Florida Pro	ND	ug/l	206.	100.	1	4/ 1/99	3:06	K.Phelps	FDEP	299
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Acenaphthylene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Benzo(a)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Benzo(a)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Butylbenzylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Carbazole	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Chloroaniline	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Chloronaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Chlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Chrysene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Dibenzofuran	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Diethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Dimethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130

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ANALYTICAL REPORT

Laboratory Number: 99-A44209
Sample ID: MAY-1490-7-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Di-n-octylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Fluorene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Hexachlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Hexachlorobutadiene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Hexachloroethane	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Isophorone	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Methylnaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Naphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
3-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Nitrobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2-Nitrophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
4-Nitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Pentachlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Phenanthrene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Phenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:03	M. Cobb	8270C	1130
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568

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ANALYTICAL REPORT

Laboratory Number: 99-A44209
Sample ID: MAY-1490-7-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	5	2	1	3/30/99	13:45	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	3/30/99	13:45	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44209
Sample ID: MAY-1490-7-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Vinyl chloride	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	3/30/99	13:45	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	3/30/99	13:45	R.Ward	8260B	8568
METALS										
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Barium, Total	ND	mg/l	0.0100	0.0100	1	3/31/99	8:58	C.Holmes	6010B	9015
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/31/99	8:58	C.Holmes	6010B	9015
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/31/99	8:58	C.Holmes	6010B	9015
Mercury, Total	ND	mg/l	0.00020	0.00020	1	4/ 2/99	7:03	G.Robinson	7470	8664
Selenium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	990. ml	1.0 ml	3/31/99	Fitzwater	3510
Fla Pro	970. ml	2.0 ml	3/30/99	M. Cauthen	FDEP

Surrogate	% Recovery	Target Range
Fla Pro Surr., O-Terphenyl	61. #	82. - 142.
Fla Pro Surr., C-35 Hydrocarbon	69.	55. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	105.	60. - 138.
VOA Surrogate, Toluene d8	98.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	100.	73. - 122.
VOA Surrogate, Dibromofluoromethane	100.	74. - 133.
surr-Nitrobenzene-d5	52.	15. - 105.
surr-2-Fluorobiphenyl	57.	17. - 110.
surr-Terphenyl d14	37.	10. - 116.
surr-Phenol d5	10.	10. - 100.
surr-2-Fluorophenol	12.	9. - 100.
surr-2,4,6-Tribromophenol	18.	15. - 134.

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ANALYTICAL REPORT

Laboratory Number: 99-A44209
Sample ID: MAY-1490-7-3-99

Fla-Pro surrogate slightly low; insufficient sample for re-extraction.

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859

1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44210
Sample ID: MAY-1490-BLK1-3-99
Sample Type: Ground water
Site ID:

Date Collected: 3/24/99
Time Collected: 19:10
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Florida Pro	ND	ug/l	202.	100.	1	4/ 1/99	3:35	K.Phelps	FDEP	299
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Acenaphthylene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Benzo(a)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Benzo(a)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Butylbenzylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Carbazole	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Chloroaniline	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Chloronaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Chlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Chrysene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Dibenzofuran	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Diethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Dimethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130

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ANALYTICAL REPORT

Laboratory Number: 99-A44210
Sample ID: MAY-1490-BLK1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Di-n-octylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Fluorene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Hexachlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Hexachlorobutadiene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Hexachloroethane	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Isophorone	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Methylnaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Naphthalene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
3-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Nitrobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2-Nitrophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
4-Nitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Pentachlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Phenanthrene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Phenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Pyrene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	5:40	M. Cobb	8270C	1130
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
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ANALYTICAL REPORT

Laboratory Number: 99-A44210
Sample ID: MAY-1490-BLK1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	5	2	1	3/29/99	17:19	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	3/29/99	17:19	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A44210
Sample ID: MAY-1490-BLK1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Vinyl chloride	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	3/29/99	17:19	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	3/29/99	17:19	R.Ward	8260B	8568
METALS										
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Barium, Total	ND	mg/l	0.0100	0.0100	1	3/31/99	8:58	C.Holmes	6010B	9015
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/31/99	8:58	C.Holmes	6010B	9015
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/31/99	8:58	C.Holmes	6010B	9015
Mercury, Total	ND	mg/l	0.00020	0.00020	1	4/ 2/99	7:03	G.Robinson	7470	8664
Selenium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	950. ml	1.0 ml	3/31/99	Fitzwater	3510
Fla Pro	990. ml	2.0 ml	3/30/99	M. Cauthen	FDEP

Surrogate	% Recovery	Target Range
Fla Pro Surr., O-Terphenyl	68. *	82. - 142.
Fla Pro Surr., C-35 Hydrocarbon	90.	55. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	107.	60. - 138.
VOA Surrogate, Toluene d8	97.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	99.	73. - 122.
VOA Surrogate, Dibromofluoromethane	99.	74. - 133.
surr-Nitrobenzene-d5	68.	15. - 105.
surr-2-Fluorobiphenyl	77.	17. - 110.
surr-Terphenyl d14	91.	10. - 116.
surr-Phenol d5	14.	10. - 100.
surr-2-Fluorophenol	15.	9. - 100.
surr-2,4,6-Tribromophenol	25.	15. - 134.

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ANALYTICAL REPORT

Laboratory Number: 99-A44210
Sample ID: MAY-1490-BLK1-3-99

Fla-Pro Surrogate slightly low; insufficient sample for re-extraction.

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

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ANALYTICAL REPORT

TESTAMERICA/HYDROLOGIC, INC. 5859
1412 OAK BROOK DR., SUITE 105
NORCROSS, GA 30093

Project:
Project Name: MAYPORT 1490
Sampler: HC/JS

Lab Number: 99-A44211
Sample ID: MAY-1490-DUP1-3-99
Sample Type: Ground water
Site ID:

Date Collected: 3/24/99
Time Collected: 16:40
Date Received: 3/27/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Florida Pro	ND	ug/l	202.	100.	1	4/ 1/99	4:36	K.Phelps	FDEP	299
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Acenaphthylene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Anthracene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Benzo(a)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Benzo(a)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Butylbenzylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Carbazole	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Chloroaniline	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Chloronaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Chlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Chrysene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Dibenzofuran	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Diethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Dimethylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130

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ANALYTICAL REPORT

Laboratory Number: 99-A44211
Sample ID: MAY-1490-DUP1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Di-n-octylphthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Fluoranthene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Fluorene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Hexachlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Hexachlorobutadiene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Hexachloroethane	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Isophorone	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Methylnaphthalene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Naphthalene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
3-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Nitroaniline	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Nitrobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2-Nitrophenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
4-Nitrophenol	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Pentachlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Phenanthrene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Phenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Pyrene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	4/ 2/99	6:17	M. Cobb	8270C	1130
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
Benzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Bromobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Bromochloromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Bromoform	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Bromomethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
2-Butanone	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
n-Butylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
sec-Butylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
t-Butylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Carbon disulfide	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Carbon tetrachloride	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Chlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Chloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568

SPECIALIZED ASSAYS, INC.
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ANALYTICAL REPORT

Laboratory Number: 99-A44211
Sample ID: MAY-1490-DUP1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	5	2	1	3/30/99	14:24	R.Ward	8260B	8568
Chloroform	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Chloromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
2-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
4-Chlorotoluene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
Dibromochloromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2-Dibromoethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Dibromomethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,3-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,4-Dichlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Dichlorodifluoromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1-Dichloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2-Dichloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1-Dichloroethene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,3-Dichloropropane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
2,2-Dichloropropane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1-Dichloropropene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Ethylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Hexachlorobutadiene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
2-Hexanone	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
Isopropylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
4-Isopropyltoluene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
4-Methyl-2-pentanone	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
Methylene chloride	ND	ug/l	10	10	1	3/30/99	14:24	R.Ward	8260B	8568
Naphthalene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
n-Propylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Styrene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Tetrachloroethene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Toluene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1,1-Trichloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,1,2-Trichloroethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Trichloroethene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2,3-Trichloropropane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568

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ANALYTICAL REPORT

Laboratory Number: 99-A44211
Sample ID: MAY-1490-DUP1-3-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Vinyl chloride	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Xylenes	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Bromodichloromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Trichlorofluoromethane	ND	ug/l	2	2	1	3/30/99	14:24	R.Ward	8260B	8568
Methyl-t-butyl ether	ND	ug/l	10	2	1	3/30/99	14:24	R.Ward	8260B	8568
METALS										
Arsenic, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Barium, Total	ND	mg/l	0.0100	0.0100	1	3/31/99	8:58	C.Holmes	6010B	9015
Cadmium, Total	ND	mg/l	0.0010	0.0010	1	3/31/99	8:58	C.Holmes	6010B	9015
Chromium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Lead, Total	ND	mg/l	0.0030	0.0030	1	3/31/99	8:58	C.Holmes	6010B	9015
Mercury, Total	ND	mg/l	0.00020	0.00020	1	4/ 2/99	7:03	G.Robinson	7470	8664
Selenium, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015
Silver, Total	ND	mg/l	0.0050	0.0050	1	3/31/99	8:58	C.Holmes	6010B	9015

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	990. ml	1.0 ml	3/31/99	Fitzwater	3510
Fla Pro	990. ml	2.0 ml	3/30/99	M. Cauthen	FDEP

Surrogate	% Recovery	Target Range
Fla Pro Surr., O-Terphenyl	69. #	82. - 142.
Fla Pro Surr., C-35 Hydrocarbon	92.	55. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	104.	60. - 138.
VOA Surrogate, Toluene d8	97.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	99.	73. - 122.
VOA Surrogate, Dibromofluoromethane	101.	74. - 133.
surr-Nitrobenzene-d5	64.	15. - 105.
surr-2-Fluorobiphenyl	74.	17. - 110.
surr-Terphenyl d14	58.	10. - 116.
surr-Phenol d5	10.	10. - 100.
surr-2-Fluorophenol	10.	9. - 100.
surr-2,4,6-Tribromophenol	20.	15. - 134.

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P.O. Box 40566
Nashville, TN 37204-0566
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ANALYTICAL REPORT

Laboratory Number: 99-A44211
Sample ID: MAY-1490-DUP1-3-99

Fla-Pro Surrogate slightly low; insufficient sample for re-extraction.

Report Approved By: _____ Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director

Laboratory Certification Number: HRS-E87358

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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Florida Pro	mg/l	< 0.10	0.41	0.42	98	55. - 118.	299
Acenaphthene	mg/l	< 0.0100	0.1100	0.1000	110	46. - 129.	1130
4-Chloro-3-methylphenol	mg/l	< 0.0100	0.1100	0.1000	110	43. - 139.	1130
2-Chlorophenol	mg/l	< 0.0100	0.0970	0.1000	97	47. - 113.	1130
1,4-Dichlorobenzene	mg/l	< 0.0100	0.0920	0.1000	92	46. - 108.	1130
2,4-dinitrotoluene	mg/l	< 0.0100	0.1200	0.1000	120	41. - 126.	1130
4-Nitrophenol	mg/l	< 0.0250	0.1000	0.1000	100	14. - 150.	1130
N-Nitroso-Di-n-Propylamine	mg/l	< 0.0100	0.0890	0.1000	89	47. - 142.	1130
Pentachlorophenol	mg/l	< 0.0250	0.1300	0.1000	130	33. - 135.	1130
Phenol	mg/l	< 0.0100	0.0800	0.1000	80	13. - 145.	1130
Pyrene	mg/l	< 0.0100	0.0830	0.1000	83	40. - 149.	1130
1,2,4-Trichlorobenzene	mg/l	< 0.0100	0.1100	0.1000	110	41. - 127.	1130
Benzene	mg/l	< 0.0020	0.0462	0.0500	92	66. - 135.	8568
Chlorobenzene	mg/l	< 0.0020	0.0476	0.0500	95	68. - 134.	8568
1,1-Dichloroethene	mg/l	< 0.0020	0.0461	0.0500	92	59. - 144.	8568
Toluene	mg/l	< 0.0020	0.0466	0.0500	93	55. - 151.	8568
Trichloroethene	mg/l	< 0.0020	0.0533	0.0500	107	54. - 153.	8568
Arsenic, Total	mg/l	< 0.0050	0.0520	0.0500	104	80 - 120	9015
Barium, Total	mg/l	0.0210	2.050	2.000	101	80 - 120	9015
Cadmium, Total	mg/l	< 0.0010	0.0550	0.0500	110	80 - 120	9015
Chromium, Total	mg/l	< 0.0050	0.2080	0.2000	104	80 - 120	9015
Lead, Total	mg/l	< 0.0030	0.0550	0.0500	110	80 - 120	9015
Mercury, Total	mg/l	< 0.00020	0.00108	0.00100	108	80 - 120	8664
Selenium, Total	mg/l	< 0.0050	0.0530	0.0500	106	80 - 120	9015
Silver, Total	mg/l	0.0130	0.0630	0.0500	100	80 - 120	9015

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Florida Pro	mg/l	0.41	0.44	7.06	20.	299
Acenaphthene	mg/l	0.1100	0.1100	0.00	25.	1130
4-Chloro-3-methylphenol	mg/l	0.1100	0.1100	0.00	25.	1130
2-Chlorophenol	mg/l	0.0970	0.0920	5.29	22.	1130
1,4-Dichlorobenzene	mg/l	0.0920	0.0910	1.09	49.	1130
2,4-dinitrotoluene	mg/l	0.1200	0.1100	8.70	43.	1130
4-Nitrophenol	mg/l	0.1000	0.1000	0.00	49.	1130
N-Nitroso-Di-n-Propylamine	mg/l	0.0890	0.0840	5.78	39.	1130
Pentachlorophenol	mg/l	0.1300	0.1300	0.00	34.	1130
Phenol	mg/l	0.0800	0.0790	1.26	35.	1130
Pyrene	mg/l	0.0830	0.0860	3.55	36.	1130
1,2,4-Trichlorobenzene	mg/l	0.1100	0.1100	0.00	26.	1130
Benzene	mg/l	0.0462	0.0460	0.43	18.	8568
Chlorobenzene	mg/l	0.0476	0.0489	2.69	20.	8568
1,1-Dichloroethene	mg/l	0.0461	0.0482	4.45	52.	8568
Toluene	mg/l	0.0466	0.0459	1.51	22.	8568

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PROJECT QUALITY CONTROL DATA

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Trichloroethene	mg/l	0.0533	0.0534	0.19	18.	8568
Arsenic, Total	mg/l	0.0520	0.0520	0.00	20	9015
Barium, Total	mg/l	2.050	2.010	1.97	20	9015
Cadmium, Total	mg/l	0.0550	0.0540	1.83	20	9015
Chromium, Total	mg/l	0.2080	0.2040	1.94	20	9015
Lead, Total	mg/l	0.0550	0.0540	1.83	20	9015
Mercury, Total	mg/l	0.00108	0.00112	3.64	20	8664
Selenium, Total	mg/l	0.0530	0.0520	1.90	20	9015
Silver, Total	mg/l	0.0630	0.0610	3.23	20	9015

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Florida Pro	mg/l	0.42	0.42	100	70 - 130	299
Acenaphthene	mg/l	0.1000	0.1240	124	60 - 140	1130
Acenaphthylene	mg/l	0.1000	0.1260	126	60 - 140	1130
Anthracene	mg/l	0.1000	0.1280	128	60 - 140	1130
Benzo(a)anthracene	mg/l	0.1000	0.1280	128	60 - 140	1130
Benzo(a)pyrene	mg/l	0.1000	0.1300	130	60 - 140	1130
Benzo(b)fluoranthene	mg/l	0.1000	0.1220	122	60 - 140	1130
Benzo(g,h,i)perylene	mg/l	0.1000	0.1300	130	60 - 140	1130
Benzo(k)fluoranthene	mg/l	0.1000	0.1360	136	60 - 140	1130
4-Bromophenyl-phenylether	mg/l	0.1000	0.1380	138	60 - 140	1130
Butylbenzylphthalate	mg/l	0.1000	0.1240	124	60 - 140	1130
Carbazole	mg/l	0.1000	0.1180	118	60 - 140	1130
4-Chloro-3-methylphenol	mg/l	0.1000	0.1260	126	60 - 140	1130
4-Chloroaniline	mg/l	0.1000	0.0700	70	60 - 140	1130
Bis(2-chloroethoxy)methane	mg/l	0.1000	0.1000	100	60 - 140	1130
Bis(2-chloroethyl)ether	mg/l	0.1000	0.0960	96	60 - 140	1130
Bis(2-chloroisopropyl)ether	mg/l	0.1000	0.1020	102	60 - 140	1130
2-Chloronaphthalene	mg/l	0.1000	0.1180	118	60 - 140	1130
2-Chlorophenol	mg/l	0.1000	0.1120	112	60 - 140	1130
4-Chlorophenyl-phenylether	mg/l	0.1000	0.1280	128	60 - 140	1130
Chrysene	mg/l	0.1000	0.1340	134	60 - 140	1130
Dibenzofuran	mg/l	0.1000	0.1180	118	60 - 140	1130
Dibenz(a,h)anthracene	mg/l	0.1000	0.1400	140	60 - 140	1130
1,2-Dichlorobenzene	mg/l	0.1000	0.1100	110	60 - 140	1130
1,3-Dichlorobenzene	mg/l	0.1000	0.1100	110	60 - 140	1130
1,4-Dichlorobenzene	mg/l	0.1000	0.1100	110	60 - 140	1130
3,3'-Dichlorobenzidine	mg/l	0.1000	< 0.0400	N/A	60 - 140	1130
2,4-Dichlorophenol	mg/l	0.1000	0.1260	126	60 - 140	1130
Diethylphthalate	mg/l	0.1000	0.1320	132	60 - 140	1130
2,4-Dimethylphenol	mg/l	0.1000	0.0920	92	60 - 140	1130
Dimethylphthalate	mg/l	0.1000	0.1200	120	60 - 140	1130
Di-n-Butylphthalate	mg/l	0.1000	0.1300	130	60 - 140	1130

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4,6-Dinitro-2-methylphenol	ug/l	0.1000	0.1220	122	60 - 140	1130
2,4-Dinitrophenol	ug/l	0.1000	0.1000	100	60 - 140	1130
2,4-dinitrotoluene	ug/l	0.1000	0.1360	136	60 - 140	1130
2,6-Dinitrotoluene	ug/l	0.1000	0.1280	128	60 - 140	1130
Di-n-octylphthalate	ug/l	0.1000	0.1300	130	60 - 140	1130
Fluoranthene	ug/l	0.1000	0.1280	128	60 - 140	1130
Fluorene	ug/l	0.1000	0.1240	124	60 - 140	1130
Hexachlorobenzene	ug/l	0.1000	0.1280	128	60 - 140	1130
Hexachlorobutadiene	ug/l	0.1000	0.1260	126	60 - 140	1130
Hexachlorocyclopentadiene	ug/l	0.1000	0.1260	126	60 - 140	1130
Hexachloroethane	ug/l	0.1000	0.1180	118	60 - 140	1130
Indeno(1,2,3-cd)pyrene	ug/l	0.1000	0.1240	124	60 - 140	1130
Isophorone	ug/l	0.1000	0.1080	108	60 - 140	1130
2-Methylnaphthalene	ug/l	0.1000	0.1220	122	60 - 140	1130
2-Methylphenol	ug/l	0.1000	0.1040	104	60 - 140	1130
3 and 4-Methylphenol	ug/l	0.1000	0.1040	104	60 - 140	1130
Naphthalene	ug/l	0.1000	0.1220	122	60 - 140	1130
2-Nitroaniline	ug/l	0.1000	0.1260	126	60 - 140	1130
3-Nitroaniline	ug/l	0.1000	0.1260	126	60 - 140	1130
4-Nitroaniline	ug/l	0.1000	0.1160	116	60 - 140	1130
Nitrobenzene	ug/l	0.1000	0.1140	114	60 - 140	1130
2-Nitrophenol	ug/l	0.1000	0.1220	122	60 - 140	1130
4-Nitrophenol	ug/l	0.1000	0.1260	126	60 - 140	1130
N-Nitroso-Di-n-Propylamine	ug/l	0.1000	0.1000	100	60 - 140	1130
N-Nitrosodiphenylamine	ug/l	0.1000	0.1260	126	60 - 140	1130
Pentachlorophenol	ug/l	0.1000	0.1380	138	60 - 140	1130
Phenanthrene	ug/l	0.1000	0.1240	124	60 - 140	1130
Phenol	ug/l	0.1000	0.0980	98	60 - 140	1130
Pyrene	ug/l	0.1000	0.1240	124	60 - 140	1130
Bis(2-ethylhexyl)phthalate	ug/l	0.1000	0.1220	122	60 - 140	1130
1,2,4-Trichlorobenzene	ug/l	0.1000	0.1240	124	60 - 140	1130
2,4,5-Trichlorophenol	ug/l	0.1000	0.1340	134	60 - 140	1130
2,4,6-Trichlorophenol	ug/l	0.1000	0.1300	130	60 - 140	1130
Acetone	ug/l	0.0500	0.0560	112	70 - 130	8568
Benzene	ug/l	0.0500	0.0475	95	70 - 130	8568
Bromobenzene	ug/l	0.0500	0.0477	95	70 - 130	8568
Bromochloromethane	ug/l	0.0500	0.0502	100	70 - 130	8568
Bromoform	ug/l	0.0500	0.0512	102	70 - 130	8568
Bromomethane	ug/l	0.0500	0.0458	92	70 - 130	8568
2-Butanone	ug/l	0.0500	0.0486	97	70 - 130	8568
n-Butylbenzene	ug/l	0.0500	0.0447	89	70 - 130	8568
sec-Butylbenzene	ug/l	0.0500	0.0470	94	70 - 130	8568
t-Butylbenzene	ug/l	0.0500	0.0478	96	70 - 130	8568
Carbon disulfide	ug/l	0.0500	0.0448	90	70 - 130	8568
Carbon tetrachloride	ug/l	0.05000	0.05070	101	70 - 130	8568
Chlorobenzene	ug/l	0.0500	0.0461	92	70 - 130	8568

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chloroethane	ng/l	0.0500	0.0459	92	70 - 130	8568
2-Chloroethylvinylether	ng/l	0.0500	0.0473	95	70 - 130	8568
Chloroform	ng/l	0.0500	0.0492	98	70 - 130	8568
Chloromethane	ng/l	0.0500	0.0445	89	70 - 130	8568
2-Chlorotoluene	ng/l	0.0500	0.0470	94	70 - 130	8568
4-Chlorotoluene	ng/l	0.0500	0.0471	94	70 - 130	8568
1,2-Dibromo-3-chloropropane	ng/l	0.0500	0.0597	119	70 - 130	8568
Dibromochloromethane	ng/l	0.0500	0.0495	99	70 - 130	8568
1,2-Dibromoethane	ng/l	0.0500	0.0519	104	70 - 130	8568
Dibromomethane	ng/l	0.0500	0.0495	99	70 - 130	8568
1,2-Dichlorobenzene	ng/l	0.0500	0.0493	99	70 - 130	8568
1,3-Dichlorobenzene	ng/l	0.0500	0.0469	94	70 - 130	8568
1,4-Dichlorobenzene	ng/l	0.0500	0.0462	92	70 - 130	8568
Dichlorodifluoromethane	ng/l	0.0500	0.0430	86	70 - 130	8568
1,1-Dichloroethane	ng/l	0.0500	0.0493	99	70 - 130	8568
1,2-Dichloroethane	ng/l	0.0500	0.0504	101	70 - 130	8568
1,1-Dichloroethene	ng/l	0.0500	0.0479	96	70 - 130	8568
cis-1,2-Dichloroethene	ng/l	0.0500	0.0489	98	70 - 130	8568
trans-1,2-Dichloroethene	ng/l	0.0500	0.0474	95	70 - 130	8568
1,2-Dichloropropane	ng/l	0.0500	0.0473	95	70 - 130	8568
1,3-Dichloropropane	ng/l	0.0500	0.0486	97	70 - 130	8568
2,2-Dichloropropane	ng/l	0.0500	0.0359	72	70 - 130	8568
1,1-Dichloropropene	ng/l	0.0500	0.0469	94	70 - 130	8568
cis-1,3-Dichloropropene	ng/l	0.0500	0.0448	90	70 - 130	8568
trans-1,3-Dichloropropene	ng/l	0.0500	0.0464	93	70 - 130	8568
Ethylbenzene	ng/l	0.0500	0.0460	92	70 - 130	8568
Hexachlorobutadiene	ng/l	0.0500	0.0447	89	70 - 130	8568
2-Hexanone	ng/l	0.0500	0.0530	106	70 - 130	8568
Isopropylbenzene	ng/l	0.0500	0.0480	96	70 - 130	8568
4-Isopropyltoluene	ng/l	0.0500	0.0467	93	70 - 130	8568
4-Methyl-2-pentanone	ng/l	0.0500	0.0500	100	70 - 130	8568
Methylene chloride	ng/l	0.0500	0.0454	91	70 - 130	8568
Naphthalene	ng/l	0.0500	0.0618	124	70 - 130	8568
n-Propylbenzene	ng/l	0.0500	0.0471	94	70 - 130	8568
Styrene	ng/l	0.0500	0.0477	95	70 - 130	8568
1,1,1,2-Tetrachloroethane	ng/l	0.0500	0.0485	97	70 - 130	8568
1,1,2,2-Tetrachloroethane	ng/l	0.0500	0.0481	96	70 - 130	8568
Tetrachloroethene	ng/l	0.0500	0.0450	90	70 - 130	8568
Toluene	ng/l	0.0500	0.0468	94	70 - 130	8568
1,2,3-Trichlorobenzene	ng/l	0.0500	0.0590	118	70 - 130	8568
1,2,4-Trichlorobenzene	ng/l	0.0500	0.0502	100	70 - 130	8568
1,1,1-Trichloroethane	ng/l	0.0500	0.0497	99	70 - 130	8568
1,1,2-Trichloroethane	ng/l	0.0500	0.0518	104	70 - 130	8568
Trichloroethene	ng/l	0.0500	0.0478	96	70 - 130	8568
1,2,3-Trichloropropane	ng/l	0.0500	0.0483	97	70 - 130	8568
1,2,4-Trimethylbenzene	ng/l	0.0500	0.0469	94	70 - 130	8568

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,3,5-Trimethylbenzene	ng/l	0.0500	0.0483	97	70 - 130	8568
Vinyl chloride	ng/l	0.0500	0.0455	91	70 - 130	8568
Xylenes	ng/l	0.1500	0.1398	93	70 - 130	8568
Bromodichloromethane	ng/l	0.0500	0.0489	98	70 - 130	8568
Trichlorofluoromethane	ng/l	0.0500	0.0478	96	70 - 130	8568
Methyl-t-butyl ether	ng/l	0.0500	0.0497	99	70 - 130	8568
Arsenic, Total	ng/l	0.0530	0.0490	92	80 - 120	9015
Barium, Total	ng/l	0.5060	0.4800	95	80 - 120	9015
Cadmium, Total	ng/l	0.0510	0.0520	102	80 - 120	9015
Chromium, Total	ng/l	0.2710	0.2560	94	80 - 120	9015
Lead, Total	ng/l	0.3060	0.2920	95	80 - 120	9015
Mercury, Total	ng/l	0.01290	0.01172	91	80 - 120	8664
Selenium, Total	ng/l	0.2030	0.1940	96	80 - 120	9015
Silver, Total	ng/l	0.0990	0.1020	103	80 - 120	9015

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Florida Pro	< 0.10	ng/l	299
Arsenic, Total	< 0.0050	ng/l	9015
Barium, Total	< 0.0100	ng/l	9015
Cadmium, Total	< 0.0010	ng/l	9015
Chromium, Total	< 0.0050	ng/l	9015
Lead, Total	< 0.0030	ng/l	9015
Mercury, Total	< 0.00020	ng/l	8664
Selenium, Total	< 0.0050	ng/l	9015
Silver, Total	< 0.0050	ng/l	9015
Acenaphthene	< 0.0100	ng/l	1130
Acenaphthylene	< 0.0100	ng/l	1130
Anthracene	< 0.0100	ng/l	1130
Benzo(a)anthracene	< 0.0100	ng/l	1130
Benzo(a)pyrene	< 0.0100	ng/l	1130
Benzo(b)fluoranthene	< 0.0100	ng/l	1130
Benzo(g,h,i)perylene	< 0.0100	ng/l	1130
Benzo(k)fluoranthene	< 0.0100	ng/l	1130
4-Bromophenyl-phenylether	< 0.0100	ng/l	1130
Butylbenzylphthalate	< 0.0100	ng/l	1130
Carbazole	< 0.0100	ng/l	1130
4-Chloro-3-methylphenol	< 0.0100	ng/l	1130
4-Chloroaniline	< 0.0100	ng/l	1130
Bis(2-chloroethoxy)methane	< 0.0100	ng/l	1130
Bis(2-chloroethyl)ether	< 0.0100	ng/l	1130
Bis(2-chloroisopropyl)ether	< 0.0100	ng/l	1130
2-Chloronaphthalene	< 0.0100	ng/l	1130
2-Chlorophenol	< 0.0100	ng/l	1130

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
4-Chlorophenyl-phenylether	< 0.0100	mg/l	1130
Chrysene	< 0.0100	mg/l	1130
Dibenzofuran	< 0.0100	mg/l	1130
Dibenz(a,h)anthracene	< 0.0100	mg/l	1130
1,2-Dichlorobenzene	< 0.0100	mg/l	1130
1,3-Dichlorobenzene	< 0.0100	mg/l	1130
1,4-Dichlorobenzene	< 0.0100	mg/l	1130
3,3'-Dichlorobenzidine	< 0.0200	mg/l	1130
2,4-Dichlorophenol	< 0.0100	mg/l	1130
Diethylphthalate	< 0.0100	mg/l	1130
2,4-Dimethylphenol	< 0.0100	mg/l	1130
Dimethylphthalate	< 0.0100	mg/l	1130
Di-n-Butylphthalate	< 0.0100	mg/l	1130
4,6-Dinitro-2-methylphenol	< 0.0250	mg/l	1130
2,4-Dinitrophenol	< 0.0250	mg/l	1130
2,4-dinitrotoluene	< 0.0100	mg/l	1130
2,6-Dinitrotoluene	< 0.0100	mg/l	1130
Di-n-octylphthalate	< 0.0100	mg/l	1130
Fluoranthene	< 0.0100	mg/l	1130
Fluorene	< 0.0100	mg/l	1130
Hexachlorobenzene	< 0.0100	mg/l	1130
Hexachlorobutadiene	< 0.0100	mg/l	1130
Hexachlorocyclopentadiene	< 0.0100	mg/l	1130
Hexachloroethane	< 0.0100	mg/l	1130
Indeno(1,2,3-cd)pyrene	< 0.0100	mg/l	1130
Isophorone	< 0.0100	mg/l	1130
2-Methylnaphthalene	< 0.0100	mg/l	1130
2-Methylphenol	< 0.0100	mg/l	1130
3 and 4-Methylphenol	< 0.0100	mg/l	1130
Naphthalene	< 0.0100	mg/l	1130
2-Nitroaniline	< 0.0250	mg/l	1130
3-Nitroaniline	< 0.0250	mg/l	1130
4-Nitroaniline	< 0.0250	mg/l	1130
Nitrobenzene	< 0.0100	mg/l	1130
2-Nitrophenol	< 0.0100	mg/l	1130
4-Nitrophenol	< 0.0250	mg/l	1130
N-Nitroso-Di-n-Propylamine	< 0.0100	mg/l	1130
N-Nitrosodiphenylamine	< 0.0100	mg/l	1130
Pentachlorophenol	< 0.0250	mg/l	1130
Phenanthrene	< 0.0100	mg/l	1130
Phenol	< 0.0100	mg/l	1130
Pyrene	< 0.0100	mg/l	1130
Bis(2-ethylhexyl)phthalate	< 0.0100	mg/l	1130
1,2,4-Trichlorobenzene	< 0.0100	mg/l	1130
2,4,5-Trichlorophenol	< 0.0250	mg/l	1130
2,4,6-Trichlorophenol	< 0.0100	mg/l	1130

COPY 1

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Acetone	< 0.0100	ug/l	8568
Benzene	< 0.0020	ug/l	8568
Bromobenzene	< 0.0020	ug/l	8568
Bromochloromethane	< 0.0020	ug/l	8568
Bromoform	< 0.0020	ug/l	8568
Bromomethane	< 0.0020	ug/l	8568
2-Butanone	< 0.0100	ug/l	8568
n-Butylbenzene	< 0.0020	ug/l	8568
sec-Butylbenzene	< 0.0020	ug/l	8568
t-Butylbenzene	< 0.0020	ug/l	8568
Carbon disulfide	< 0.0020	ug/l	8568
Carbon tetrachloride	< 0.00200	ug/l	8568
Chlorobenzene	< 0.0020	ug/l	8568
Chloroethane	< 0.0020	ug/l	8568
2-Chloroethylvinylether	< 0.0050	ug/l	8568
Chloroform	< 0.0020	ug/l	8568
Chloromethane	< 0.0020	ug/l	8568
2-Chlorotoluene	< 0.0020	ug/l	8568
4-Chlorotoluene	< 0.0020	ug/l	8568
1,2-Dibromo-3-chloropropane	< 0.0100	ug/l	8568
Dibromochloromethane	< 0.0020	ug/l	8568
1,2-Dibromoethane	< 0.0020	ug/l	8568
Dibromomethane	< 0.0020	ug/l	8568
1,2-Dichlorobenzene	< 0.0020	ug/l	8568
1,3-Dichlorobenzene	< 0.0020	ug/l	8568
1,4-Dichlorobenzene	< 0.0020	ug/l	8568
Dichlorodifluoromethane	< 0.0020	ug/l	8568
1,1-Dichloroethane	< 0.0020	ug/l	8568
1,2-Dichloroethane	< 0.0020	ug/l	8568
1,1-Dichloroethene	< 0.0020	ug/l	8568
cis-1,2-Dichloroethene	< 0.0020	ug/l	8568
trans-1,2-Dichloroethene	< 0.0020	ug/l	8568
1,2-Dichloropropane	< 0.0020	ug/l	8568
1,3-Dichloropropane	< 0.0020	ug/l	8568
2,2-Dichloropropane	< 0.0020	ug/l	8568
1,1-Dichloropropene	< 0.0020	ug/l	8568
cis-1,3-Dichloropropene	< 0.0020	ug/l	8568
trans-1,3-Dichloropropene	< 0.0020	ug/l	8568
Ethylbenzene	< 0.0020	ug/l	8568
Hexachlorobutadiene	< 0.0020	ug/l	8568
2-Hexanone	< 0.0100	ug/l	8568
Isopropylbenzene	< 0.0020	ug/l	8568
4-Isopropyltoluene	< 0.0020	ug/l	8568
4-Methyl-2-pentanone	< 0.0100	ug/l	8568
Methylene chloride	0.0027	ug/l	8568
Naphthalene	< 0.0020	ug/l	8568

COPY 1

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
n-Propylbenzene	< 0.0020	ng/l	8568
Styrene	< 0.0020	ng/l	8568
1,1,1,2-Tetrachloroethane	< 0.0020	ng/l	8568
1,1,2,2-Tetrachloroethane	< 0.0020	ng/l	8568
Tetrachloroethene	< 0.0020	ng/l	8568
Toluene	< 0.0020	ng/l	8568
1,2,3-Trichlorobenzene	< 0.0020	ng/l	8568
1,2,4-Trichlorobenzene	< 0.0020	ng/l	8568
1,1,1-Trichloroethane	< 0.0020	ng/l	8568
1,1,2-Trichloroethane	< 0.0020	ng/l	8568
Trichloroethene	< 0.0020	ng/l	8568
1,2,3-Trichloropropane	< 0.0020	ng/l	8568
1,2,4-Trimethylbenzene	< 0.0020	ng/l	8568
1,3,5-Trimethylbenzene	< 0.0020	ng/l	8568
Vinyl chloride	< 0.0020	ng/l	8568
Xylenes	< 0.0020	ng/l	8568
Bromodichloromethane	< 0.0020	ng/l	8568
Trichlorofluoromethane	< 0.0020	ng/l	8568
Methyl-t-butyl ether	< 0.0100	ng/l	8568

Chain of Custody Record

MITKULOGIC, INC.

☐ Asheville, NC (828) 254-5169 ☐ Norcross, GA (770) 368-0636 ☐ Charlotte, NC (704) 392-1164 ☐ Frankfort KY (502) 223-0251 ☐ Morrisville, NC (919) 380-9699

☐ Lumberton, NC (910) 738-6190 ☐ Lexington, SC (803) 796-8989 ☐ Brighton, CO (303) 659-0497 ☐ Macon, GA (912) 757-0811 ☐ Orlando, FL (407) 851-2560

Client: CFSAS

Project No.: Mayport 1490

Report Address: 100 W Oglethorpe Ave Savannah GA 31401

Invoice Address: 100 W Oglethorpe Ave Savannah GA 31401

Attn: Mark Harrison

Attn: Mark Harrison

Phone No.: (912) 652-5151

Sampled By: HC/JS

Fax No.: (912) 652-5311

P.O. No: 0163

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
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
S = Subcontracted

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	HCl	ICE	ICE	HNO_3							← Preserv.	REMARKS
						8260 - MTBE	8270	FL-PRO	RCRA Metals								
Trip Blank			G	Aq	2	2	—	—	—								
MAY-1490-2A-3-99	3/24/99	17:30	G	Aq	5	2	1	1	1								
MAY-1490-6A-3-99	3/24/99	18:05	G	Aq	5	2	1	1	1								
MAY-1490-7-3-99	3/24/99	19:05	G	Aq	5	2	1	1	1								
MAY-1490-Blk1-3-99	3/24/99	19:10	G	Aq	5	2	1	1	1								
MAY-1490-Dup1-3-99	3/24/99	16:40	G	Aq	5	2	1	1	1								

COMMENTS: MUST MEET STATE OF FLORIDA REQUIREMENTS.

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	25-Mar-99	16:10	[signature]	25-Mar-99	16:10
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time