

U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
CONTRACT DACA21-92-D-0002, DELIVERY ORDER #0101

CLOSURE REPORT

USED OIL TANK REMOVAL
BUILDING 241, TANK 243
FACILITY ID NUMBER: 9-089041
FT. STEWART, GEORGIA

PREPARED BY:

ANDERSON COLUMBIA ENVIRONMENTAL, INC.

OCTOBER 1996

P.O. Box 1386, Lake City, Florida 32056-1386
Phone: (904) 755-1196 Fax: (904) 758-9050

US Army Corps of Engineers
Delivery Order 0101
Ft. Stewart, Hinesville, Georgia
Underground Storage Tank Removal and Closure

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Prepared by

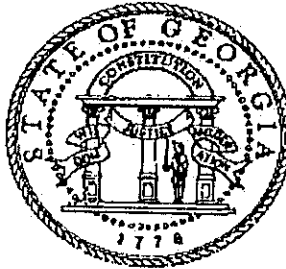
Anderson Columbia Environmental, Inc.

TAB 1

GEORGIA CLOSURE REPORT
FORMS

Georgia Department of Natural Resources

Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkway, Suite 104, Atlanta, Georgia 30354
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
(404) 362-2687



CLOSURE REPORT FORM

Please complete the following form, include the listed items and check all of the boxes that apply. This form can be used as a Closure Report, provided documentation is attached when specified, to substantiate the information on this form, as outlined in the guidance document "So You Want to Close an UST?" (GUST-9). If one of the items does not apply to your tank closure, please provide a written explanation for the omission. If soil was excavated and disposed of, be sure to complete the applicable sections and attach the proper disposal documents.

1. Owner of UST System:

Name: US Army/Ft. Stewart
Phone Number: (912) 767-2010/1234
Company: US Army
Address: Cdr. 3rd Inf. Div. (Mech.), Attn: AFZP-DEV, Bldg. 1139
Ft. Stewart GA 31314-5000
(city) (state) (zip code)

I hereby certify that the information contained in this Closure Report and in all the attachments is true, accurate, and complete, and the Closure Report satisfies all criteria and requirements of Rule 391-3-15-.09 of the Georgia Rules for Underground Storage Tank Management.

Signature: _____ Date: _____

2. UST System Site Location:

Facility Name: Ft. Stewart, GA FAC 241
Street Address: FAC 241
Ft. Stewart GA 31314-5000
(city) (state) (zip code)
Facility ID# 9-089041

3. Contract Certification:

I hereby certify that I have performed or supervised the work detailed in this report, and have examined and am familiar with the information submitted in this and all attached documents. The submitted information is, to the best of knowledge, true, accurate, complete, and in accordance with the Georgia Rules for Underground Storage Tank Management, revised February, 1995.

Name: David F. Black
Address: PO Box 1386 Lake City, Florida 32056

Signature: _____ Date: 10/9/96

Closure for

4. Site-specific Hydrogeology:

Depth to Groundwater _____ ft. if encountered

☒ Not Applicable

5. Site Map: Include the following items on an attached site map:

REFER TO TAB 5

- Tank Pit Area
- Sewer Lines (if present)
- Sample Locations (with sample numbers and depths)
- Scale ___ in = ___ ft
- Piping Trenches
- Water Lines
- North Arrow
- Dispensers
- Tanks with thier ID#s, corresponding to the Notification Form 7530-1

6. Tank Removal

- Date of Removal: 25-Jun-96
- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
243	1000	Used Oil

(This information should correspond to the 7530-1 Form.)

- Attach Amended Notification Form 7530-1
- Describe Soil Sampling Procedures (and groundwater, if encountered):

REFER TO TAB 6

REFER TO TAB 6

7. Laboratory Analytical Data: The following items must be included on attached copies

REFER TO TAB 7

- Laboratory Method
- Detection Limits
- Date of Sampling
- Signed Chain of Custody
- Date of Analysis
- Quality Control Data

8. Regulated Substance Released: Check the applicable box(es).

☐ Gasoline ☐ Diesel ☐ Kerosene ☒ Used Oil ☐ Other _____

9. Excavation and Treatment/Disposal of Contaminated Soil:

- Attach Soil Disposal Manifests
- Volume of Soil Excavated (less than 6 ft from USTs and 4 ft from piping or dispenser islands)

_____ Tons OR _____ yd³

☒ Not Applicable

10. Local Water Resources: Attach documentation only if Table B Soil Threshold Values and/or in-Stream Water Quality Standards are proposed for soil disposal, or No Further Action Required status. Check the applicable box(es).

☒ Drinking water supplies are NOT located in:
High or average groundwater pollution susceptibility area:*
Public water systems within 2.0 miles and
Non-public water systems within 0.5 mile

SEE TAB 7, 10

OR

Low groundwater pollution susceptibility area:*
Public water systems within 1.0 mile and
Non-public water systems within 0.25 mile

* As defined by the Groundwater Pollution Susceptibility Map of Georgia

☐ Streams, Lakes, and Ponds:
Distance to closest surface water body: _____ mile(s) or _____ feet

☐ Not Applicable

11. Conclusions or Recommendations: Choose one.

☐ Clean Closure, thus No Further Action is Required.

☐ Soil Excavated within the Limits Specified in Question 7 (GUST-9) and Transported to an EPD Treatment/Disposal Facility, Thus No Further Action is Required.

TAB 4

SITE PHOTOGRAPHS



Photo 1. Tank pit after concrete breaking and removal.

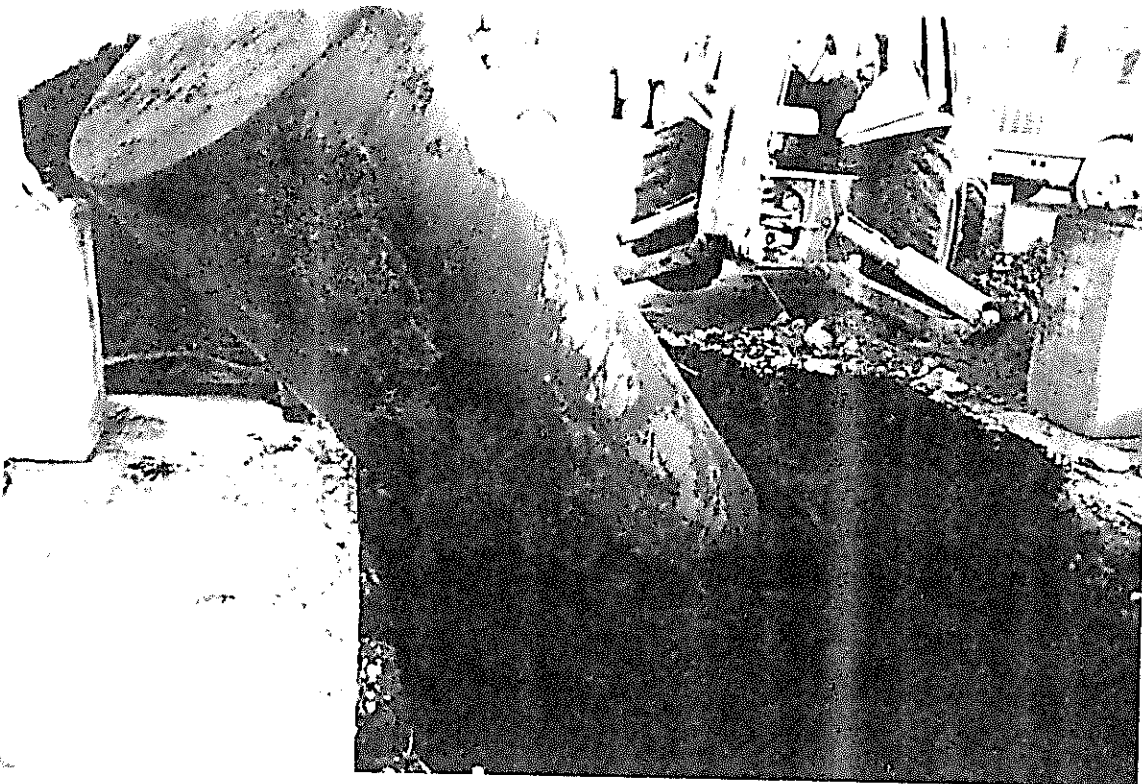


Photo 2. Tank #243 being extracted from the pit.

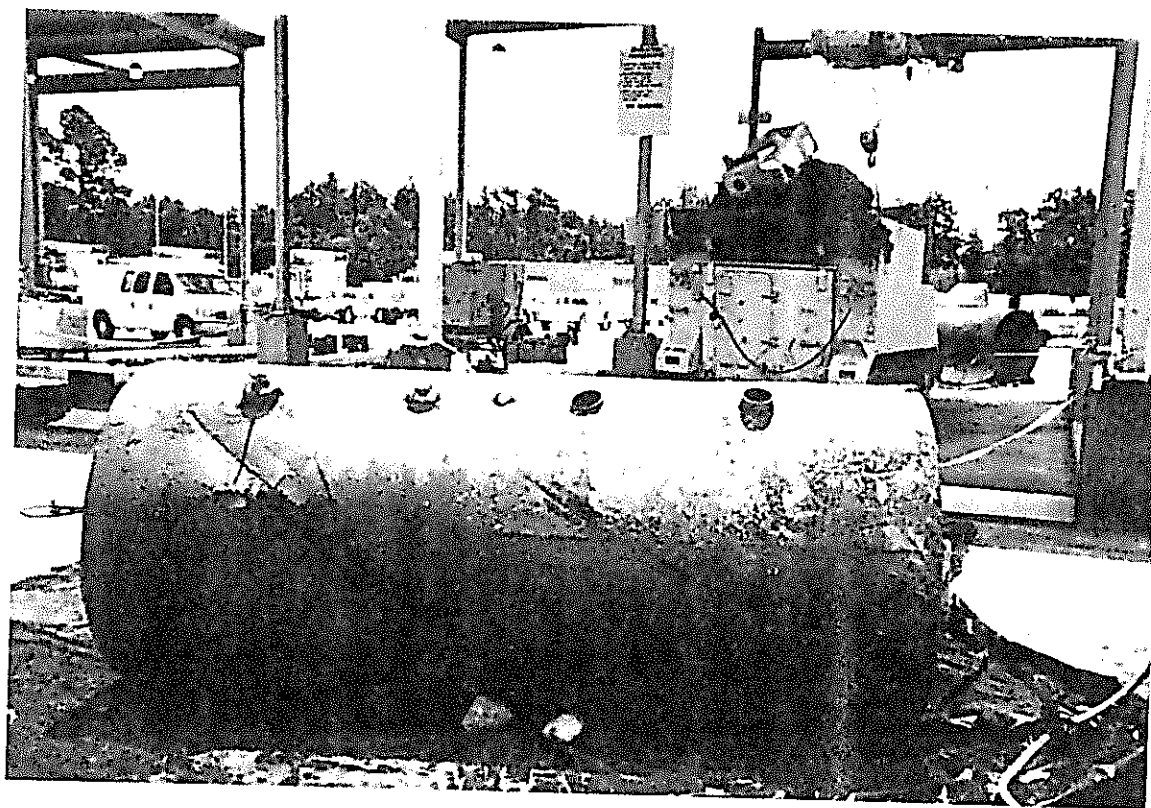
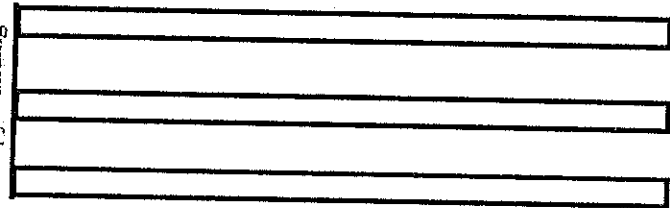


Photo 3. Tank 243 after removal, cutting and cleaning.

TAB 5

SITE MAPS

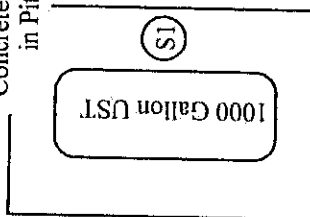
Canopy Building



Oil/Water Separator

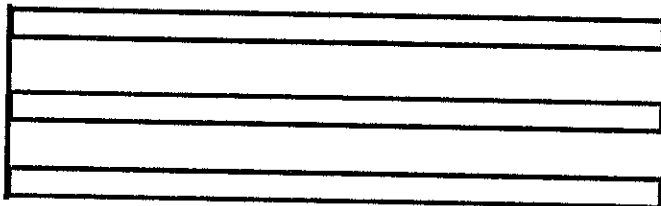


Concrete Slab
in Pit



Tank 243

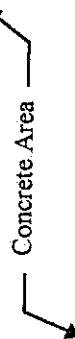
Canopy Building



GRW



Building 241



Concrete Area

LEGEND

(SI) Location of Soil Closure Sample

ANDERSON COLUMBIA

Environmental, Inc.

P.O. BOX 1386, LAKE CITY, FLORIDA 32056-1386 PHONE: (904) 755-1196 FAX: (904) 758-9050

DR. AJR

DR. APP.

DATE: 10 Oct 96

SCALE: 1" = 10'

Sampling Map - Tank 243

Building 241

Ft. Stewart, Georgia

Delivery Order 101

FIGURE NO.: 1

TAB 6

EPA FORM 7530-1
&
FIELD ASSESSMENT METHODS

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

state use only

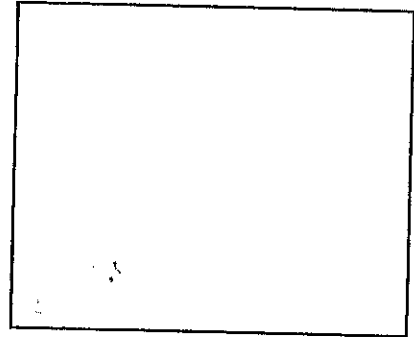
FACILITY ID NUMBER: 9-089041

OWNER'S ID: 197

INITIAL DATE RECEIVED: 12/18/92

DATE AMENDED LAST: _____

NOTIFICATION TYPE: ☒ New ☐ Amended ☒ Closure



OWNERSHIP OF TANK (S):

NUMBER OF TANK (S): 1

Name : US ARMY/FT STEWART
Mailing Address : HQ 3RD INF DIV (M), AFZP-DEV/BLDG 1139
City : FT STEWART State: GEORGIA Zip Code: 31314-5000
Phone : 912-767-1071 County: LIBERTY

LOCATION OF TANK (S):

Name : FT STEWART/FAC 241
Street Address : FAC 241
City : FT STEWART State: GEORGIA Zip Code: 31314-5000
County : LIBERTY Latitude: _____ Longitude: _____
Phone : _____

OWNER TYPE: ☒ Federal ☐ State ☐ Local ☐ Commercial ☐ Private

FACILITY TYPE (S):

- | | | |
|--|--|--|
| ☐ Gas Station | ☐ Local Government | ☐ Contractor |
| ☐ Petroleum Dist | ☐ State Government | ☐ Truck/Transport |
| ☐ Air Tax (Airport) | ☐ Fed Non-Military | ☐ Utilities |
| ☐ Aircraft Owner | ☒ Fed Military | ☐ Farm |
| ☐ Auto Dealership | ☐ Commercial | ☐ Residential |
| ☐ Railroad | ☐ Industrial | ☐ Other |
| ☐ Hospital | ☐ Educational | |

CONTACT PERSON IN CHARGE OF TANK (S):

Name : US ARMY/FT STEWART Title: JOHN SPEAR/ENV ENG
Address : HQ 3RD INF DIV (M), AFZP-DEV/BLDG 1139
City : FT STEWART State: GEORGIA Zip Code: 31314-5000
Phone : 912-767-1071

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

FINANCIAL RESPONSIBILITY:

FACILITY ID NUMBER:

- ☐ I meet the financial responsibility requirements of SS12-13-9 Official Code of Georgia Annotated by providing or participating in one of the following financial assurance mechanisms.

Primary Financial Responsibility Mechanism (check one)

- | | |
|---|---|
| ☐ GUST Trust Fund | ☐ Insurance |
| ☐ Surety Bond | ☐ Guarantee |
| ☐ Letter of Credit | ☐ Trust Fund (other than GUST) |
| ☐ Risk Retention Group | ☒ Other Method |
| ☐ Self-insured | ☐ None |

If a primary coverage mechanism other than GUST Trust Fund is checked, provide the following information pursuant to GUST Rule 391-3-15-.12 (1):

Financial Responsibility Provider (primary):

Name: US Army Corps of Engineers

Address: HQ 3rd Oml/ Div. (M) AFZP-DEV/BLIX 1139 City: Ft. Stewart State: GA

Mechanism Id Number: _____

Mechanism Anniversary Date: _____

Deductible Financial Responsibility, if any: (check one)

Note: If your primary Financial Responsibility Mechanism is provided through participation in the GUST Trust Fund by payment of Environmental Assurance Fees, as required under GUST Rule 391-3-15-.13, you must also check one of the following boxes indicating how coverage for the GUST Trust Fund \$10,000 deductible is being provided.

If your Financial Responsibility Mechanism is other than GUST Trust Fund and it has a deductible, you must also check one of the following boxes indicating how coverage for the deductible is being provided.

- | | |
|---|---|
| ☐ Surety Bond | ☐ Insurance |
| ☐ Letter of Credit | ☐ Guarantee |
| ☐ Risk Retention Group | ☐ Trust Fund (other than GUST) |
| ☐ Self-insured | ☐ Other Method |

Provide the name and address of Financial Responsibility Provider for Deductible pursuant to GUST Rule 391-15-.12 (1):

Financial Responsibility Provider (deductible):

Name: _____

Address: _____ City: _____ State: _____

Mechanism Id Number: _____

Mechanism Anniversary Date: _____

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089041				
TANK ID	243				
Status of Tank					
Currently in Use	☒				
Temp. Out of Use	☐				
Perm. Out of Use	☒				
Date of Installation	1-Jan-85				
Age	11				
Est. Total Capacity	1000				
MATERIAL OF CONSTRUCTION					
Asphalt or Bare Steel					
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.	x				
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Explanation					
Date Tank Repaired					
PIPING MATERIAL					
Bare Steel					
Galvanized Steel	x				
Fiberglass					
Copper					
Cathodically Protected					
Double Walled					
Secondary Containment					
Unknown					
Other, Explanation					
Date Piping Installed					
Piping Type					
Suction: No Valve					
Suction: Valve					
Pressure					
Gravity Fed					
Date Piping Repaired					
Substance Stored in Tank					
Gasoline					
Diesel					
Gasohol					
Kerosene					
Heating Oil					
Used Oil	x				
Propane					
Empty					
Other, Explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089041										
TANK ID	243										
Substance Stored in Tank											
Hazardous Substance											
CERCLA Name											
CAS Number											
Mixture											
Mixture, Specification											
Out of Use/Chg. Ser.	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	
Est. Date Last Used	5-25-96	5-25-96									
Est. Date Closed	6-25-96	6-25-96									
Removed from Ground	X	X									
Closed in Ground											
Filled with Iner. Mat.											
Change in Service											
Site Assessment Compl.											
Leak Detected											
Installation											
Certified by Manufac.											
Certified by Imple. Agn.											
Inspected by Engineer											
Checklists Completed											
Another Allowed Method											
Method Description											
Certified by Imple. Agn.											
Inspected by Engineer											
Checklists Completed											
Another Allowed Method											
Method Description											
Release Detection	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	
Tank Tightness Testing											
Inventory Controls											
SIR											
Automatic Tank Gauging											
Inter. Mon./Double Wall											
Groundwater Monitoring											
Manual Tank Gauging											
Vapor Monitoring											
Inter. Mon./Sec. Cont.											
Auto. Line Leak Detect.											
Line Tightness Testing											
Other Method											
Other Description											
Spill and Overfill											
Date Overfill Device											
Date Spill Device											
Installer Certification											
Name											
Position											
Company											
Date											

TAB 6

FIELD ASSESSMENT METHODS

SOIL SAMPLES

Soil samples for analytical testing were collected by Anderson Columbia Environmental, Inc. (ACE) personnel two (2) feet below both end of the excavated tanks and from the side walls of the excavation. Soil samples were collected into precleaned, labeled laboratory sample bottles and immediately placed on ice. The samples were shipped under Chain of Custody to the Corps of Engineers contract laboratory, Ecosys Laboratory Services.

Soil samples for field screening were collected by ACE personnel from each side and bottom of the tank pit. Soil samples were collected at various intervals and soil vapors were withdrawn for volatile organic compounds (VOCs) with a Heath PORTA-FID II, Model No. 8000 Flame Ionization Detector (FID) fitted with a methane filter. Calibration was performed prior to field sampling with a 100 ppm methane/air mixture.

FID readings of soil samples were collected by filling a clean glass jar one-half full with soil, capping the jar with clean aluminum foil and allowing conditions in the jar to equilibrate for approximately 60 minutes. The tip of the FID was then carefully inserted through the aluminum foil and an air sample from the jar's headspace was analyzed for total VOCs.

GROUNDWATER SAMPLES

Groundwater samples were collected from the bottom of the tank pits only when groundwater invaded the excavation. Groundwater samples were collected from the excavation site with a disposable Teflon bailer and immediately placed in precleaned, labeled laboratory sample containers. Following collection, samples were immediately placed in a sample cooler with ice and were delivered, under Chain of Custody, to Ecosys Laboratory Services.

TAB 7

ANALYTICAL DATA

Delivery Order #101
Fort Stewart, Georgia
Tank Numbers 243
Building Number 241

<i>Method</i> Sample ID <i>unit</i>	418.1 TPH ppm	9071A TRPH ppm	9071 Oil & Grease ppm	8020 BTEX ppb	8100 PAH/PNA ppb	8270 Semi-Volatile Organics ppb
243-TI-S1	nt	nt	1000	bdl	bdl	nt
bdl= below method detection limits nt=not tested						

The Ft. Stewart area is an area of 'Average or Higher groundwater pollution susceptibility', however the site itself is further than 2 miles from a public water supply and further than 500' from a surface water body as defined by Tables A and B which follow.

Table A

Petroleum Constituents and Soil Threshold Levels^a

At UST corrective action sites where withdrawal points for public and non-public water supplies exist within distances defined in GUST Rule 391-3-15-.09(3):

CONSTITUENT	AVERAGE OR HIGHER GROUNDWATER POLLUTION SUSCEPTIBILITY AREA ^b (Where public water supplies exist within 2.0 miles and/or non-public supplies exist within 0.5 miles)		LOWER GROUNDWATER POLLUTION SUSCEPTIBILITY AREA ^c (Where public water supplies exist within 1.0 mile and/or non-public supplies exist within 0.25 mile)	
	≤500 feet to withdrawal point	>500 feet to withdrawal point	≤500 feet to withdrawal point	>500 feet to withdrawal point
VOLATILE ORGANIC COMPOUNDS				
Benzene ^d	0.005 mg/kg ^d	0.008 mg/kg	0.005 mg/kg ^d	0.71 mg/kg
Toluene	0.400 mg/kg	6.00 mg/kg	0.400 mg/kg	500.00 mg/kg
Ethylbenzene	0.370 mg/kg	10.00 mg/kg	0.500 mg/kg	140.00 mg/kg
Xylenes (total)	20.00 mg/kg	700.00 mg/kg	27.00 mg/kg	700.00 mg/kg
POLYNUCLEAR AROMATIC HYDROCARBONS				
Acenaphthene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Anthracene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Benz(a)anthracene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Benzo(a)pyrene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Benzo(b)fluoranthene	0.820 mg/kg ^{d,f}	N/A ^e	N/A ^e	N/A ^e
Benzo(g,h,i)perylene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Benzo(k)fluoranthene	1.60 mg/kg ^{d,f}	N/A ^e	N/A ^e	N/A ^e
Chrysene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Dibenz(a,h)anthracene	1.50 mg/kg ^{d,f}	N/A ^e	N/A ^e	N/A ^e
Fluoranthene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Fluorene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Indeno(1,2,3-c,d)pyrene	0.660 mg/kg ^d	N/A ^e	0.660 mg/kg ^d	N/A ^e
Naphthalene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Phenanthrene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Pyrene	N/A ^e	N/A ^e	N/A ^e	N/A ^e

^a Based on worst-case assumptions for one-dimensional vadose zone and groundwater contaminant fate and transport models.

^b Based on an assumed distance of 0.5 feet between contaminated soils and the water table.

^c Based on an assumed distance of 5.0 feet between contaminated soils and the water table.

^d Estimated Quantitation Limit. The health-based threshold level is less than the laboratory method limit of detection.

^e Not applicable. The health-based threshold level exceeds the expected soil concentration under free product condition.

^f In order to protect surface waters, the soil threshold level in Table B may supersede that found in Table A.

^g In the presence of other petroleum contaminants in concentrations exceeding 1.0 mg/kg, the Estimated Quantitation Limit, and hence the soil threshold level, may be substantially greater, as approved by EPD.

Table B

Petroleum Constituents and Soil Threshold^a Levels

At other UST corrective action sites where withdrawal points for public and non-public water supplies do not exist within distances defined in GUST Rule 391-3-15-.09(3):

CONSTITUENT	AVERAGE OR HIGHER GROUNDWATER POLLUTION SUSCEPTIBILITY AREA ^b		LOWER GROUNDWATER POLLUTION SUSCEPTIBILITY AREA ^c	
	≤500 feet to sur- face water body	>500 feet to sur- face water body	≤500 feet to sur- face water body	>500 feet to sur- face water body
VOLATILE ORGANIC COMPOUNDS				
Benzene ^f	0.017 mg/kg	0.120 mg/kg	0.020 mg/kg	11.30 mg/kg
Toluene	115.00 mg/kg	500.00 mg/kg	135.00 mg/kg	500.00 mg/kg
Ethylbenzene	18.00 mg/kg	140.00 mg/kg	28.00 mg/kg	140.00 mg/kg
Xylenes (total)	700.00 mg/kg	700.00 mg/kg	700.00 mg/kg	700.00 mg/kg
POLYNUCLEAR AROMATIC HYDROCARBONS				
Acenaphthene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Anthracene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Benz(a)anthracene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Benzo(a)pyrene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Benzo(b)fluoranthene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Benzo(g,h,i)perylene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Benzo(k)fluoranthene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Chrysene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Dibenz(a,h)anthracene	0.660 mg/kg ^d	N/A ^e	N/A ^e	N/A ^e
Fluoranthene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Fluorene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Indeno(1,2,3-c,d)pyrene	0.660 mg/kg ^d	N/A ^e	0.660 mg/kg ^d	N/A ^e
Naphthalene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Phenanthrene	N/A ^e	N/A ^e	N/A ^e	N/A ^e
Pyrene	N/A ^e	N/A ^e	N/A ^e	N/A ^e

^a based on worst-case assumptions for one-dimensional vadose zone and groundwater contaminant fate and transport models.

^b based on an assumed distance of 0.5 feet between contaminated soils and the water table.

^c based on an assumed distance of 5.0 feet between contaminated soils and the water table.

^d Estimated Quantitation Limit. The health-based threshold level is less than the laboratory method limit of detection.

^e Not applicable. The health-based threshold level exceeds the expected soil concentration under free product condition.

^f In the presence of other petroleum contaminants in concentrations exceeding 1.0 mg/kg, the Estimated Quantitation Limit, and hence the soil threshold level, may be substantially greater, as approved by EPD.

ECOSYS

LABORATORY SERVICES

ANALYTICAL REPORT

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

USACE-SAD
Blaisdell Willis
611 South Cobb Drive
Marietta, GA 30060
P: 919-5270 F: 919-4977

Client Code 29112130
Ledger Number 107811
P.O. Number
Date Received 06/21/96
Time Received 13:10
Reporting Date 07/05/96

Lab Sample ID AB34959
Project # 3959
Project Name FT. STEWART
Sampling Date/Time 06/19/96 17:05

Client Site # 29329
Client Sample # 241-T1-GW

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/27/96		Batch 0627960001			
8270B	PHENOL	\$06113	Below MDL	250	ug/L	25.0	108-95-2	BS	06/29/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06113	Below MDL	250	ug/L	25.0	111-44-4	BS	06/29/96
8270B	2-CHLOROPHENOL	\$06113	Below MDL	250	ug/L	25.0	95-57-8	BS	06/29/96
8270B	1,3-DICHLOROBENZENE	\$06113	Below MDL	250	ug/L	25.0	541-73-1	BS	06/29/96
8270B	1,4-DICHLOROBENZENE	\$06113	Below MDL	250	ug/L	25.0	106-46-7	BS	06/29/96
8270B	1,2-DICHLOROBENZENE	\$06113	Below MDL	250	ug/L	25.0	95-50-1	BS	06/29/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06113	Below MDL	250	ug/L	25.0	108-80-1	BS	06/29/96
8270B	2-METHYLPHENOL	\$06113	Below MDL	250	ug/L	25.0	95-48-7	BS	06/29/96
8270B	4-METHYLPHENOL	\$06113	Below MDL	250	ug/L	25.0	106-44-5	BS	06/29/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06113	Below MDL	250	ug/L	25.0	621-64-7	BS	06/29/96
8270B	HEXACHLOROETHANE	\$06113	Below MDL	250	ug/L	25.0	67-72-1	BS	06/29/96
8270B	NITROBENZENE	\$06113	Below MDL	250	ug/L	25.0	98-95-3	BS	06/29/96
8270B	ISOPHORONE	\$06113	Below MDL	250	ug/L	25.0	78-59-1	BS	06/29/96
8270B	2-NITROPHENOL	\$06113	Below MDL	500	ug/L	25.0	88-75-5	BS	06/29/96
8270B	2,4-DIMETHYLPHENOL	\$06113	Below MDL	250	ug/L	25.0	105-67-9	BS	06/29/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06113	Below MDL	250	ug/L	25.0	111-91-1	BS	06/29/96
8270B	2,4-DICHLOROPHENOL	\$06113	Below MDL	250	ug/L	25.0	120-83-2	BS	06/29/96
8270B	1,2,4-TRICHLOROBENZENE	\$06113	Below MDL	250	ug/L	25.0	120-82-1	BS	06/29/96
8270B	NAPHTHALENE	\$06113	Below MDL	250	ug/L	25.0	91-20-3	BS	06/29/96
8270B	4-CHLOROANILINE	\$06113	Below MDL	250	ug/L	25.0	106-47-8	BS	06/29/96
8270B	HEXACHLOROBUTADIENE	\$06113	Below MDL	250	ug/L	25.0	87-68-3	BS	06/29/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06113	Below MDL	250	ug/L	25.0	59-50-7	BS	06/29/96
8270B	2-METHYLNAPHTHALENE	\$06113	Below MDL	250	ug/L	25.0	91-57-6	BS	06/29/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06113	Below MDL	250	ug/L	25.0	77-47-4	BS	06/29/96
8270B	2,4,6-TRICHLOROPHENOL	\$06113	Below MDL	250	ug/L	25.0	88-06-2	BS	06/29/96
8270B	2,4,5-TRICHLOROPHENOL	\$06113	Below MDL	250	ug/L	25.0	95-95-4	BS	06/29/96
8270B	2-CHLORONAPHTHALENE	\$06113	Below MDL	250	ug/L	25.0	91-58-7	BS	06/29/96
8270B	2-NITROANILINE	\$06113	Below MDL	250	ug/L	25.0	88-74-4	BS	06/29/96
8270B	DIMETHYL PHTHALATE	\$06113	Below MDL	250	ug/L	25.0	131-11-3	BS	06/29/96

Lab Sample ID AB34959
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/19/96 17:05

Client Site # 29329
 Client Sample # 241-T1-GW

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96	Batch 062696B			
8020A	XYLENES (TOTAL)	\$08106	25	1.0 ug/L	1.0	1330-20-7	DTA	06/26/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	104	% REC	1.0		DTA	06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	108	% REC	1.0		DTA	06/26/96
8020A	CHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	108-90-7	DTA	06/26/96
8020A	1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	95-50-1	DTA	06/26/96
8020A	1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	541-73-1	DTA	06/26/96
8020A	1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	106-46-7	DTA	06/26/96
8020A	TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0 ug/L	1.0	1634-04-4	DTA	06/26/96

Lab Sample ID AB34960
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/19/96 :

Client Site # 29330
 Client Sample # TRIP BK-#2

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96	Batch 062696B			
8020A	BENZENE	\$08106	Below MDL	1.0 ug/L	1.0	71-43-2	DTA	06/26/96
8020A	TOLUENE	\$08106	Below MDL	1.0 ug/L	1.0	108-88-8	DTA	06/26/96
8020A	ETHYLBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	100-41-4	DTA	06/26/96
8020A	XYLENES (TOTAL)	\$08106	Below MDL	1.0 ug/L	1.0	1330-20-7	DTA	06/26/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	102	% REC	1.0		DTA	06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	104	% REC	1.0		DTA	06/26/96
8020A	CHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	108-90-7	DTA	06/26/96
8020A	1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	95-50-1	DTA	06/26/96
8020A	1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	541-73-1	DTA	06/26/96
8020A	1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0 ug/L	1.0	106-46-7	DTA	06/26/96
8020A	TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0 ug/L	1.0	1634-04-4	DTA	06/26/96

Lab Sample ID AB34961
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/20/96 10:00

Client Site # 29331
 Client Sample # 243-T1-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
PAH/PNA (GC) SOIL				Prep Date 06/26/96	Batch 06269600			
8100	ACENAPHTHENE	\$06011	Below MDL	1150 ug/Kg	30.0	83-32-9	DTA	06/26/96
8100	ACENAPHTHYLENE	\$06011	Below MDL	1150 ug/Kg	30.0	208-96-8	DTA	06/26/96
8100	ANTHRACENE	\$06011	Below MDL	1150 ug/Kg	30.0	120-12-7	DTA	06/26/96
8100	BENZO(A)ANTHRACENE	\$06011	Below MDL	1150 ug/Kg	30.0	56-55-3	DTA	06/26/96

Sample Comment : Results are reported on a dry weight basis.

Lab Sample ID AB34959
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/19/96 17:05

Client Site # 29329
 Client Sample # 241-T1-GW

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/27/96		Batch 0627960001			
8270B	ACENAPHTHYLENE	\$06113	Below MDL	250	ug/L	25.0	208-96-8	BS	06/29/96
8270B	2,6-DINITROTOLUENE	\$06113	Below MDL	250	ug/L	25.0	608-20-2	BS	06/29/96
8270B	3-NITROANILINE	\$06113	Below MDL	250	ug/L	25.0	99-09-2	BS	06/29/96
8270B	ACENAPHTHENE	\$06113	Below MDL	250	ug/L	25.0	83-32-9	BS	06/29/96
8270B	2,4-DINITROPHENOL	\$06113	Below MDL	1250	ug/L	25.0	51-28-5	BS	06/29/96
8270B	4-NITROPHENOL	\$06113	Below MDL	1250	ug/L	25.0	100-02-7	BS	06/29/96
8270B	DIBENZOFURAN	\$06113	Below MDL	250	ug/L	25.0	132-64-9	BS	06/29/96
8270B	2,4-DINITROTOLUENE	\$06113	Below MDL	250	ug/L	25.0	121-14-2	BS	06/29/96
8270B	DIETHYL PHTHALATE	\$06113	Below MDL	250	ug/L	25.0	84-66-2	BS	06/29/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06113	Below MDL	250	ug/L	25.0	7005-72-3	BS	06/29/96
8270B	FLUORENE	\$06113	Below MDL	250	ug/L	25.0	86-73-7	BS	06/29/96
8270B	4-NITROANILINE	\$06113	Below MDL	250	ug/L	25.0	100-01-8	BS	06/29/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06113	Below MDL	1250	ug/L	25.0	534-52-1	BS	06/29/96
8270B	N-NITROSODIPHENYLAMINE	\$06113	Below MDL	250	ug/L	25.0	86-30-6	BS	06/29/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06113	Below MDL	250	ug/L	25.0	101-55-3	BS	06/29/96
8270B	HEXACHLOROBENZENE	\$06113	Below MDL	250	ug/L	25.0	118-74-1	BS	06/29/96
8270B	PENTACHLOROPHENOL	\$06113	Below MDL	1250	ug/L	25.0	87-86-5	BS	06/29/96
8270B	PHENANTHRENE	\$06113	Below MDL	250	ug/L	25.0	85-01-8	BS	06/29/96
8270B	ANTHRACENE	\$06113	Below MDL	250	ug/L	25.0	120-12-7	BS	06/29/96
8270B	DI-N-BUTYL PHTHALATE	\$06113	Below MDL	250	ug/L	25.0	84-74-2	BS	06/29/96
8270B	FLUORANTHENE	\$06113	Below MDL	250	ug/L	25.0	208-44-0	BS	06/29/96
8270B	PYRENE	\$06113	Below MDL	250	ug/L	25.0	129-00-0	BS	06/29/96
8270B	BUTYL BENZYL PHTHALATE	\$06113	Below MDL	250	ug/L	25.0	85-68-7	BS	06/29/96
8270B	3,3'-DICHLOROBENZIDINE	\$06113	Below MDL	250	ug/L	25.0	91-94-1	BS	06/29/96
8270B	BENZO(A)ANTHRACENE	\$06113	Below MDL	250	ug/L	25.0	56-55-3	BS	06/29/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06113	Below MDL	500	ug/L	25.0	117-81-7	BS	06/29/96
8270B	CHRYSENE	\$06113	Below MDL	250	ug/L	25.0	218-01-9	BS	06/29/96
8270B	DI-N-OCTYL PHTHALATE	\$06113	Below MDL	250	ug/L	25.0	117-84-0	BS	06/29/96
8270B	BENZO(B)FLUORANTHENE	\$06113	Below MDL	250	ug/L	25.0	205-99-2	BS	06/29/96
8270B	BENZO(K)FLUORANTHENE	\$06113	Below MDL	250	ug/L	25.0	207-08-9	BS	06/29/96
8270B	BENZO(A)PYRENE	\$06113	Below MDL	250	ug/L	25.0	50-32-8	BS	06/29/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06113	Below MDL	250	ug/L	25.0	193-39-5	BS	06/29/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06113	Below MDL	250	ug/L	25.0	53-70-3	BS	06/29/96
8270B	BENZO(G,H,I)PERYLENE	\$06113	Below MDL	250	ug/L	25.0	191-24-2	BS	06/29/96
8270B	2-FLUOROPHENOL (SURR)	\$06113	13	%	REC	25.0		BS	06/29/96
8270B	PHENOL-D5 (SURR)	\$06113	10	%	REC	25.0		BS	06/29/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	53	%	REC	25.0		BS	06/29/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	40	%	REC	25.0		BS	06/29/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	36	%	REC	25.0		BS	06/29/96
8270B	TERPHENYL-D14 (SURR)	\$06113	56	%	REC	25.0		BS	06/29/96
8270B	CARBAZOLE	\$06113	Below MDL	250	ug/L	25.0	86-74-8	BS	06/29/96
(GC) WATER				Prep Date 06/26/96		Batch 062696B			
8020A	BENZENE	\$08106	Below MDL	1.0	ug/L	1.0	71-43-2	DTA	06/26/96
8020A	TOLUENE	\$08106	Below MDL	1.0	ug/L	1.0	108-88-8	DTA	06/26/96
8020A	ETHYLBENZENE	\$08106	2.0	1.0	ug/L	1.0	100-41-4	DTA	06/26/96

Lab Sample ID AB34961
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/20/96 10:00

Client Site # 29331
 Client Sample # 243-T1-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
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Sample Comment Results are reported on a dry weight basis.

PAH/PNA (GC) SOIL

Prep Date 06/26/96

Batch 06269600

8100	BENZO(A)PYRENE	\$06011	Below MDL	1150 ug/Kg	30.0	50-32-8	DTA	06/26/96
8100	BENZO(B)FLUORANTHENE	\$06011	Below MDL	1150 ug/Kg	30.0	205-99-2	DTA	06/26/96
8100	BENZO(G,H,I)PERYLENE	\$06011	Below MDL	1150 ug/Kg	30.0	191-24-2	DTA	06/26/96
8100	BENZO(K)FLUORANTHENE	\$06011	Below MDL	1150 ug/Kg	30.0	207-08-9	DTA	06/26/96
8100	CHRYSENE	\$06011	Below MDL	1150 ug/Kg	30.0	218-01-9	DTA	06/26/96
8100	DIBENZ(A,H)ANTHRACENE	\$06011	Below MDL	1150 ug/Kg	30.0	53-70-3	DTA	06/26/96
8100	FLUORANTHENE	\$06011	Below MDL	1150 ug/Kg	30.0	206-44-0	DTA	06/26/96
8100	FLUORENE	\$06011	Below MDL	1150 ug/Kg	30.0	86-73-7	DTA	06/26/96
8100	INDENO(1,2,3-CD)PYRENE	\$06011	Below MDL	1150 ug/Kg	30.0	193-39-5	DTA	06/26/96
8100	NAPHTHALENE	\$06011	Below MDL	1150 ug/Kg	30.0	91-20-3	DTA	06/26/96
8100	PHENANTHRENE	\$06011	Below MDL	1150 ug/Kg	30.0	85-01-8	DTA	06/26/96
8100	PYRENE	\$06011	Below MDL	1150 ug/Kg	30.0	129-00-0	DTA	06/26/96
8100	2-FLUOROBIPHENYL (SURR)	\$06011	55	% REC	30.0		DTA	06/26/96
8100	2-METHYLNAPHTHALENE	\$06011	Below MDL	1150 ug/Kg	30.0	91-57-6	DTA	06/26/96
8100	1-METHYLNAPHTHALENE	\$06011	Below MDL	1150 ug/Kg	30.0	90-12-0	DTA	06/26/96

BTEX (GC) SOIL

Prep Date 07/01/96

Batch 06269600

8020A	BENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	71-43-2	DTA	07/01/96
8020A	TOLUENE	\$08006	Below MDL	1.16 ug/Kg	1.0	108-88-3	DTA	07/01/96
8020A	ETHYLBENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	100-41-4	DTA	07/01/96
8020A	XYLENES (TOTAL)	\$08006	Below MDL	1.16 ug/Kg	1.0	1330-20-7	DTA	07/01/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	92	% REC	1.0		DTA	07/01/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	102	% REC	1.0		DTA	07/01/96
8020A	CHLOROBENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	108-90-7	DTA	07/01/96
8020A	1,2-DICHLOROBENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	95-50-1	DTA	07/01/96
8020A	1,3-DICHLOROBENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	541-73-1	DTA	07/01/96
8020A	1,4-DICHLOROBENZENE	\$08006	Below MDL	1.16 ug/Kg	1.0	106-46-7	DTA	07/01/96
8020A	TERT-METHYLBUTYL ETHER	\$08006	Below MDL	1.16 ug/Kg	1.0	1834-04-4	DTA	07/01/96

Prep Date 06/25/96

Batch 062596

9071	OIL & GREASE SOIL	09009	1000	5.84 mg/Kg	1.0		JK	06/25/96
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Prep Date 06/26/96

Batch 062696

160.3	% TOTAL SOLIDS SOIL (N/C)	09099	85.6	0.1 %	1.0		MN	06/26/96
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Lab Sample ID AB34962
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 06/20/96

Client Site # 29332
 Client Sample # TRIP BK-#3

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96			Batch 062696B		
8020A	BENZENE	\$08106	Below MDL	1.0	ug/L	1.0	71-43-2	DTA	06/26/96
8020A	TOLUENE	\$08106	Below MDL	1.0	ug/L	1.0	108-88-8	DTA	06/26/96
8020A	ETHYLBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	100-41-4	DTA	06/26/96
8020A	XYLENES (TOTAL)	\$08106	Below MDL	1.0	ug/L	1.0	1330-20-7	DTA	06/26/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	103	%	REC	1.0		DTA	06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	104	%	REC	1.0		DTA	06/26/96
8020A	CHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-90-7	DTA	06/26/96
8020A	1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	95-50-1	DTA	06/26/96
8020A	1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	541-73-1	DTA	06/26/96
8020A	1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	106-46-7	DTA	06/26/96
8020A	TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0	ug/L	1.0	1634-04-4	DTA	06/26/96

Lab Sample ID AB34963
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # WATER METHOD BLANK

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/24/96			Batch 062496A		
8270B	PHENOL	\$06113	Below MDL	10.0	ug/L	1.0	108-95-2	BS	06/27/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06113	Below MDL	10.0	ug/L	1.0	111-44-4	BS	06/27/96
8270B	2-CHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	95-57-8	BS	06/27/96
8270B	1,3-DICHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	541-73-1	BS	06/27/96
8270B	1,4-DICHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	106-46-7	BS	06/27/96
8270B	1,2-DICHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	95-50-1	BS	06/27/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06113	Below MDL	10.0	ug/L	1.0	108-60-1	BS	06/27/96
8270B	2-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	95-48-7	BS	06/27/96
8270B	4-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	106-44-5	BS	06/27/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06113	Below MDL	10.0	ug/L	1.0	621-64-7	BS	06/27/96
8270B	HEXACHLOROETHANE	\$06113	Below MDL	10.0	ug/L	1.0	67-72-1	BS	06/27/96
8270B	NITROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	98-95-3	BS	06/27/96
8270B	ISOPHORONE	\$06113	Below MDL	10.0	ug/L	1.0	78-59-1	BS	06/27/96
8270B	2-NITROPHENOL	\$06113	Below MDL	20.0	ug/L	1.0	88-75-5	BS	06/27/96
8270B	2,4-DIMETHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	105-67-9	BS	06/27/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06113	Below MDL	10.0	ug/L	1.0	111-81-1	BS	06/27/96
8270B	2,4-DICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	120-83-2	BS	06/27/96
8270B	1,2,4-TRICHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	120-82-1	BS	06/27/96
8270B	NAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-20-3	BS	06/27/96
8270B	4-CHLOROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	106-47-8	BS	06/27/96
8270B	3-HEXACHLOROBTADIENE	\$06113	Below MDL	10.0	ug/L	1.0	87-68-3	BS	06/27/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	59-50-7	BS	06/27/96
8270B	2-METHYLNAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-57-6	BS	06/27/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06113	Below MDL	10.0	ug/L	1.0	77-47-4	BS	06/27/96

Lab Sample ID AB34963
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # WATER METHOD BLANK

ANALYST	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	DATE OF ANALYSIS
SEMI (GC/MS) WATER						Prep Date 06/24/96	Batch 062496A	
8270B	2,4,6-TRICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	88-06-2	BS 06/27/96
8270B	2,4,5-TRICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	95-95-4	BS 06/27/96
8270B	2-CHLORONAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-58-7	BS 06/27/96
8270B	2-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	88-74-4	BS 06/27/96
8270B	DIMETHYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	131-11-3	BS 06/27/96
8270B	ACENAPHTHYLENE	\$06113	Below MDL	10.0	ug/L	1.0	208-96-8	BS 06/27/96
8270B	2,6-DINITROTOLUENE	\$06113	Below MDL	10.0	ug/L	1.0	606-20-2	BS 06/27/96
8270B	3-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	99-09-2	BS 06/27/96
8270B	ACENAPHTHENE	\$06113	Below MDL	10.0	ug/L	1.0	83-32-9	BS 06/27/96
8270B	2,4-DINITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	51-28-5	BS 06/27/96
8270B	4-NITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	100-02-7	BS 06/27/96
8270B	DIBENZOFURAN	\$06113	Below MDL	10.0	ug/L	1.0	132-64-9	BS 06/27/96
8270B	2,4-DINITROTOLUENE	\$06113	Below MDL	10.0	ug/L	1.0	121-14-2	BS 06/27/96
8270B	DIETHYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	84-66-2	BS 06/27/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06113	Below MDL	10.0	ug/L	1.0	7005-72-3	BS 06/27/96
8270B	FLUORENE	\$06113	Below MDL	10.0	ug/L	1.0	86-73-7	BS 06/27/96
8270B	4-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	100-01-6	BS 06/27/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	534-52-1	BS 06/27/96
8270B	N-NITROSODIPHENYLAMINE	\$06113	Below MDL	10.0	ug/L	1.0	86-30-6	BS 06/27/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06113	Below MDL	10.0	ug/L	1.0	101-55-3	BS 06/27/96
8270B	HEXACHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	118-74-1	BS 06/27/96
8270B	PENTACHLOROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	87-86-5	BS 06/27/96
8270B	PHENANTHRENE	\$06113	Below MDL	10.0	ug/L	1.0	85-01-8	BS 06/27/96
8270B	ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	120-12-7	BS 06/27/96
8270B	DI-N-BUTYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	84-74-2	BS 06/27/96
8270B	FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	206-44-0	BS 06/27/96
8270B	PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	129-00-0	BS 06/27/96
8270B	BUTYL BENZYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	85-68-7	BS 06/27/96
8270B	3,3'-DICHLOROBENZIDINE	\$06113	Below MDL	10.0	ug/L	1.0	91-94-1	BS 06/27/96
8270B	BENZO(A)ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	56-55-3	BS 06/27/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06113	Below MDL	20.0	ug/L	1.0	117-81-7	BS 06/27/96
8270B	CHRYSENE	\$06113	Below MDL	10.0	ug/L	1.0	218-01-9	BS 06/27/96
8270B	DI-N-OCTYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	117-84-0	BS 06/27/96
8270B	BENZO(B)FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	205-99-2	BS 06/27/96
8270B	BENZO(K)FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	207-08-9	BS 06/27/96
8270B	BENZO(A)PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	50-32-8	BS 06/27/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	193-39-5	BS 06/27/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	53-70-3	BS 06/27/96
8270B	BENZO(G,H,I)PERYLENE	\$06113	Below MDL	10.0	ug/L	1.0	191-24-2	BS 06/27/96
8270B	2-FLUOROPHENOL (SURR)	\$06113	32	%	REC	1.0		BS 06/27/96
8270B	PHENOL-D5 (SURR)	\$06113	19	%	REC	1.0		BS 06/27/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	71	%	REC	1.0		BS 06/27/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	69	%	REC	1.0		BS 06/27/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	76	%	REC	1.0		BS 06/27/96
8270B	TERPHENYL-D14 (SURR)	\$06113	82	%	REC	1.0		BS 06/27/96

Lab Sample ID AB34963
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / / :

Client Site #
 Client Sample # WATER METHOD BLANK

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/24/96		Batch 062496A			
8270B	CARBAZOLE	\$06113	Below MDL	10.0	ug/L	1.0	88-74-8	BS	06/27/96
BTEX (GC) WATER				Prep Date 06/26/96		Batch 062696B			
8020A	BENZENE	\$08106	Below MDL	1.0	ug/L	1.0	71-43-2	DTA	06/26/96
8020A	TOLUENE	\$08106	Below MDL	1.0	ug/L	1.0	108-88-8	DTA	06/26/96
8020A	ETHYLBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	100-41-4	DTA	06/26/96
8020A	XYLENES (TOTAL)	\$08106	Below MDL	1.0	ug/L	1.0	1330-20-7	DTA	06/26/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	104	%	REC	1.0		DTA	06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	95	%	REC	1.0		DTA	06/26/96
8020A	CHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-90-7	DTA	06/26/96
8020A	1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	95-50-1	DTA	06/26/96
8020A	1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	541-73-1	DTA	06/26/96
8020A	1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	106-46-7	DTA	06/26/96
8020A	TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0	ug/L	1.0	1634-04-4	DTA	06/26/96

Lab Sample ID AB34964
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / / :

Client Site #
 Client Sample # SOIL METHOD BLANK

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
PAH/PNA (GC) SOIL				Prep Date 06/26/96		Batch 06269600			
8100	ACENAPHTHENE	\$06011	Below MDL	33.0	ug/Kg	1.0	83-32-9	DTA	06/26/96
8100	ACENAPHTHYLENE	\$06011	Below MDL	33.0	ug/Kg	1.0	208-96-8	DTA	06/26/96
8100	ANTHRACENE	\$06011	Below MDL	33.0	ug/Kg	1.0	120-12-7	DTA	06/26/96
8100	BENZO(A)ANTHRACENE	\$06011	Below MDL	33.0	ug/Kg	1.0	56-55-3	DTA	06/26/96
8100	BENZO(A)PYRENE	\$06011	Below MDL	33.0	ug/Kg	1.0	50-32-8	DTA	06/26/96
8100	BENZO(B)FLUORANTHENE	\$06011	Below MDL	33.0	ug/Kg	1.0	205-99-2	DTA	06/26/96
8100	BENZO(G,H,I)PERYLENE	\$06011	Below MDL	33.0	ug/Kg	1.0	191-24-2	DTA	06/26/96
8100	BENZO(K)FLUORANTHENE	\$06011	Below MDL	33.0	ug/Kg	1.0	207-08-9	DTA	06/26/96
8100	CHRYSENE	\$06011	Below MDL	33.0	ug/Kg	1.0	218-01-9	DTA	06/26/96
8100	DIBENZ(A,H)ANTHRACENE	\$06011	Below MDL	33.0	ug/Kg	1.0	53-70-3	DTA	06/26/96
8100	FLUORANTHENE	\$06011	Below MDL	33.0	ug/Kg	1.0	208-44-0	DTA	06/26/96
8100	FLUORENE	\$06011	Below MDL	33.0	ug/Kg	1.0	86-73-7	DTA	06/26/96
8100	INDENO(1,2,3-CD)PYRENE	\$06011	Below MDL	33.0	ug/Kg	1.0	193-39-5	DTA	06/26/96
8100	NAPHTHALENE	\$06011	Below MDL	33.0	ug/Kg	1.0	91-20-3	DTA	06/26/96
8100	PHENANTHRENE	\$06011	Below MDL	33.0	ug/Kg	1.0	85-01-8	DTA	06/26/96
8100	PYRENE	\$06011	Below MDL	33.0	ug/Kg	1.0	129-00-0	DTA	06/26/96
8100	2-FLUOROBIPHENYL (SURR)	\$06011	77	%	REC	1.0		DTA	06/26/96
8100	2-METHYLNAPHTHALENE	\$06011	Below MDL	33.0	ug/Kg	1.0	91-57-6	DTA	06/26/96
8100	1-METHYLNAPHTHALENE	\$06011	Below MDL	33.0	ug/Kg	1.0	90-12-0	DTA	06/26/96
BTEX (GC) SOIL				Prep Date 07/01/96		Batch 06269600			
8020A	BENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	71-43-2	DTA	07/01/96

Lab Sample ID AB34964
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # SOIL METHOD BLANK

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) SOIL						Prep Date 07/01/96		Batch 06269600	
8020A	TOLUENE	\$08006	Below MDL	1.0	ug/Kg	1.0	108-88-3	DTA	07/01/96
8020A	ETHYLBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	100-41-4	DTA	07/01/96
8020A	XYLENES (TOTAL)	\$08006	Below MDL	1.0	ug/Kg	1.0	1330-20-7	DTA	07/01/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	88	%	REC	1.0		DTA	07/01/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	98	%	REC	1.0		DTA	07/01/96
8020A	CHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	108-90-7	DTA	07/01/96
8020A	1,2-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	95-50-1	DTA	07/01/96
8020A	1,3-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	541-73-1	DTA	07/01/96
8020A	1,4-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	106-46-7	DTA	07/01/96
8020A	TERT-METHYLBUTYL ETHER	\$08006	Below MDL	1.0	ug/Kg	1.0	1634-04-4	DTA	07/01/96
						Prep Date 06/25/96		Batch 062596	
9071	OIL & GREASE SOIL	09009	Below MDL	5.0	mg/Kg	1.0		JK	06/25/96

Lab Sample ID AB35000
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # MS

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER						Prep Date 06/24/96		Batch 062496A	
8270B	2-FLUOROPHENOL (SURR)	\$06113	21	%	REC	1.0		BS	06/27/96
8270B	PHENOL-D5 (SURR)	\$06113	13	%	REC	1.0		BS	06/27/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	44	%	REC	1.0		BS	06/27/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	43	%	REC	1.0		BS	06/27/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	64	%	REC	1.0		BS	06/27/96
8270B	TERPHENYL-D14 (SURR)	\$06113	69	%	REC	1.0		BS	06/27/96

Lab Sample ID AB35001
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # MSD

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER						Prep Date 06/24/96		Batch 062496A	
8270B	2-FLUOROPHENOL (SURR)	\$06113	28	%	REC	1.0		BS	06/27/96
8270B	PHENOL-D5 (SURR)	\$06113	19	%	REC	1.0		BS	06/27/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	58	%	REC	1.0		BS	06/27/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	56	%	REC	1.0		BS	06/27/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	73	%	REC	1.0		BS	06/27/96

Lab Sample ID AB35001
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # MSD

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/24/96			Batch 062496A		
8270B	TERPHENYL-D14 (SURR)	\$06113	81	%	REC	1.0		BS	06/27/96

Lab Sample ID AB35002
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # LCS

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/24/96			Batch 062496A		
8270B	2-FLUOROPHENOL (SURR)	\$06113	36	%	REC	1.0		BS	06/27/96
8270B	PHENOL-D5 (SURR)	\$06113	23	%	REC	1.0		BS	06/27/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	71	%	REC	1.0		BS	06/27/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	70	%	REC	1.0		BS	06/27/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	76	%	REC	1.0		BS	06/27/96
8270B	TERPHENYL-D14 (SURR)	\$06113	80	%	REC	1.0		BS	06/27/96

Lab Sample ID AB35119
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # MS

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
PAH/PNA (GC) SOIL				Prep Date 06/26/96			Batch 06269600		
8100	2-FLUOROBIPHENYL (SURR)	\$06011	39	%	REC	1.0		DTA	06/26/96

Lab Sample ID AB35120
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # MSD

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
PAH/PNA (GC) SOIL				Prep Date 06/26/96			Batch 06269600		
8100	2-FLUOROBIPHENYL (SURR)	\$06011	47	%	REC	1.0		DTA	06/26/96

Lab Sample ID AB35121
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # LCS

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	DATE OF ANALYST ANALYSIS
PAH/PNA (GC) SOIL				Prep Date 06/26/96	Batch 06269600		
8100	2-FLUOROBIPHENYL (SURR)	\$06011	76	% REC	1.0		DTA 06/26/96

Lab Sample ID AB35129
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # LCS

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	DATE OF ANALYST ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96	Batch 062696B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	101	% REC	1.0		DTA 06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	96	% REC	1.0		DTA 06/26/96

Lab Sample ID AB35130
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # MS

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	DATE OF ANALYST ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96	Batch 062696B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	108	% REC	1.0		DTA 06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	110	% REC	1.0		DTA 06/26/96

Lab Sample ID AB35131
Project # 3959
Project Name FT. STEWART
Sampling Date/Time / /

Client Site #
Client Sample # MSD

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	DATE OF ANALYST ANALYSIS
BTEX (GC) WATER				Prep Date 06/26/96	Batch 062696B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	107	% REC	1.0		DTA 06/26/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	106	% REC	1.0		DTA 06/26/96

Lab Sample ID AB35203
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # LCS

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) SOIL					Prep Date 07/01/96	Batch 06269600		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	85	% REC	1.0		DTA	07/01/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	99	% REC	1.0		DTA	07/01/96

Lab Sample ID AB35211
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time 07/01/96

Client Site #
 Client Sample # MS

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) SOIL					Prep Date 07/01/96	Batch 070196B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	42	% REC	1.0		DTA	07/01/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	46	% REC	1.0		DTA	07/01/96

Lab Sample ID AB35212
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # MSD

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) SOIL					Prep Date 07/01/96	Batch 070196B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	36	% REC	1.0		DTA	07/01/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	40	% REC	1.0		DTA	07/01/96

Lab Sample ID AB35458
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # METHOD BLANK WATER

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER					Prep Date 06/27/96	Batch 0627960001		
8270B	PHENOL	\$06113	Below MDL	10.0 ug/L	1.0	108-95-2	BS	06/29/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06113	Below MDL	10.0 ug/L	1.0	111-44-4	BS	06/29/96
8270B	2-CHLOROPHENOL	\$06113	Below MDL	10.0 ug/L	1.0	95-57-8	BS	06/29/96
8270B	1,3-DICHLOROBENZENE	\$06113	Below MDL	10.0 ug/L	1.0	541-73-1	BS	06/29/96
8270B	1,4-DICHLOROBENZENE	\$06113	Below MDL	10.0 ug/L	1.0	106-46-7	BS	06/29/96
8270B	1,2-DICHLOROBENZENE	\$06113	Below MDL	10.0 ug/L	1.0	95-50-1	BS	06/29/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06113	Below MDL	10.0 ug/L	1.0	108-60-1	BS	06/29/96

Lab Sample ID AB35458
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # METHOD BLANK WATER

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/27/96		Batch 0627960001			
8270B	2-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	95-48-7	BS	06/29/96
8270B	4-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	106-44-5	BS	06/29/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06113	Below MDL	10.0	ug/L	1.0	621-64-7	BS	06/29/96
8270B	HEXACHLOROETHANE	\$06113	Below MDL	10.0	ug/L	1.0	67-72-1	BS	06/29/96
8270B	NITROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	98-95-3	BS	06/29/96
8270B	ISOPHORONE	\$06113	Below MDL	10.0	ug/L	1.0	78-59-1	BS	06/29/96
8270B	2-NITROPHENOL	\$06113	Below MDL	20.0	ug/L	1.0	88-75-5	BS	06/29/96
8270B	2,4-DIMETHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	105-67-9	BS	06/29/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06113	Below MDL	10.0	ug/L	1.0	111-81-1	BS	06/29/96
8270B	2,4-DICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	120-83-2	BS	06/29/96
8270B	1,2,4-TRICHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	120-82-1	BS	06/29/96
8270B	NAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-20-3	BS	06/29/96
8270B	4-CHLOROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	106-47-8	BS	06/29/96
8270B	HEXACHLOROBUTADIENE	\$06113	Below MDL	10.0	ug/L	1.0	87-68-3	BS	06/29/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	59-50-7	BS	06/29/96
8270B	2-METHYLNAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-57-6	BS	06/29/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06113	Below MDL	10.0	ug/L	1.0	77-47-4	BS	06/29/96
8270B	2,4,6-TRICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	88-06-2	BS	06/29/96
8270B	2,4,5-TRICHLOROPHENOL	\$06113	Below MDL	10.0	ug/L	1.0	95-95-4	BS	06/29/96
8270B	2-CHLORONAPHTHALENE	\$06113	Below MDL	10.0	ug/L	1.0	91-58-7	BS	06/29/96
8270B	2-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	88-74-4	BS	06/29/96
8270B	DIMETHYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	131-11-3	BS	06/29/96
8270B	ACENAPHTHYLENE	\$06113	Below MDL	10.0	ug/L	1.0	208-96-8	BS	06/29/96
8270B	2,6-DINITROTOLUENE	\$06113	Below MDL	10.0	ug/L	1.0	606-20-2	BS	06/29/96
8270B	3-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	99-09-2	BS	06/29/96
8270B	ACENAPHTHENE	\$06113	Below MDL	10.0	ug/L	1.0	83-32-9	BS	06/29/96
8270B	2,4-DINITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	51-28-5	BS	06/29/96
8270B	4-NITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	100-02-7	BS	06/29/96
8270B	DIBENZOFURAN	\$06113	Below MDL	10.0	ug/L	1.0	132-64-9	BS	06/29/96
8270B	2,4-DINITROTOLUENE	\$06113	Below MDL	10.0	ug/L	1.0	121-14-2	BS	06/29/96
8270B	DIETHYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	84-66-2	BS	06/29/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06113	Below MDL	10.0	ug/L	1.0	7005-72-3	BS	06/29/96
8270B	FLUORENE	\$06113	Below MDL	10.0	ug/L	1.0	86-73-7	BS	06/29/96
8270B	4-NITROANILINE	\$06113	Below MDL	10.0	ug/L	1.0	100-01-6	BS	06/29/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	534-52-1	BS	06/29/96
8270B	N-NITROSODIPHENYLAMINE	\$06113	Below MDL	10.0	ug/L	1.0	86-30-6	BS	06/29/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06113	Below MDL	10.0	ug/L	1.0	101-55-3	BS	06/29/96
8270B	HEXACHLOROBENZENE	\$06113	Below MDL	10.0	ug/L	1.0	118-74-1	BS	06/29/96
8270B	PENTACHLOROPHENOL	\$06113	Below MDL	50.0	ug/L	1.0	87-86-5	BS	06/29/96
8270B	PHENANTHRENE	\$06113	Below MDL	10.0	ug/L	1.0	85-01-8	BS	06/29/96
8270B	ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	120-12-7	BS	06/29/96
8270B	DI-N-BUTYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	84-74-2	BS	06/29/96
8270B	FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	206-44-0	BS	06/29/96
8270B	PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	129-00-0	BS	06/29/96
8270B	BUTYL BENZYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	85-68-7	BS	06/29/96

Lab Sample ID AB35458
 Project # 3959
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # METHOD BLANK WATER

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) WATER				Prep Date 06/27/96		Batch 0627960001			
8270B	3,3'-DICHLOROBENZIDINE	\$06113	Below MDL	10.0	ug/L	1.0	91-94-1	BS	06/29/96
8270B	BENZO(A)ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	56-55-3	BS	06/29/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06113	Below MDL	20.0	ug/L	1.0	117-81-7	BS	06/29/96
8270B	CHRYSENE	\$06113	Below MDL	10.0	ug/L	1.0	218-01-9	BS	06/29/96
8270B	DI-N-OCTYL PHTHALATE	\$06113	Below MDL	10.0	ug/L	1.0	117-84-0	BS	06/29/96
8270B	BENZO(B)FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	205-99-2	BS	06/29/96
8270B	BENZO(K)FLUORANTHENE	\$06113	Below MDL	10.0	ug/L	1.0	207-08-9	BS	06/29/96
8270B	BENZO(A)PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	50-32-8	BS	06/29/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06113	Below MDL	10.0	ug/L	1.0	193-39-5	BS	06/29/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06113	Below MDL	10.0	ug/L	1.0	53-70-3	BS	06/29/96
8270B	BENZO(G,H,I)PERYLENE	\$06113	Below MDL	10.0	ug/L	1.0	191-24-2	BS	06/29/96
8270B	2-FLUOROPHENOL (SURR)	\$06113	32	%	REC	1.0		BS	06/29/96
8270B	PHENOL-D5 (SURR)	\$06113	20	%	REC	1.0		BS	06/29/96
8270B	NITROBENZENE-D5 (SURR)	\$06113	72	%	REC	1.0		BS	06/29/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06113	68	%	REC	1.0		BS	06/29/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06113	76	%	REC	1.0		BS	06/29/96
8270B	TERPHENYL-D14 (SURR)	\$06113	85	%	REC	1.0		BS	06/29/96
8270B	CARBAZOLE	\$06113	Below MDL	10.0	ug/L	1.0	86-74-8	BS	06/29/96


 Certifying Scientist

Organics and Inorganics in Wastewater, Solids, and Wastes

NC-DEHNR 441, SC-DHEC 98013, GA, TN-DOH 02826, UT-DOH E-228, FL-DEP 940134 HRS E87511 (Water) HRS 87485 (Drinking Water), NY-DEH ELAP 11551, WI-DNR 998014380

Radioactive Materials License ISO 9000 EPA ID EPA Reg Waste GA APHIS Fed Lab ID US Army Corps of Engineers Validation
 GA-DNR 1283-1 A2LA:0594-01 GA-00058 GA-0001011006 S-3966 58-188334

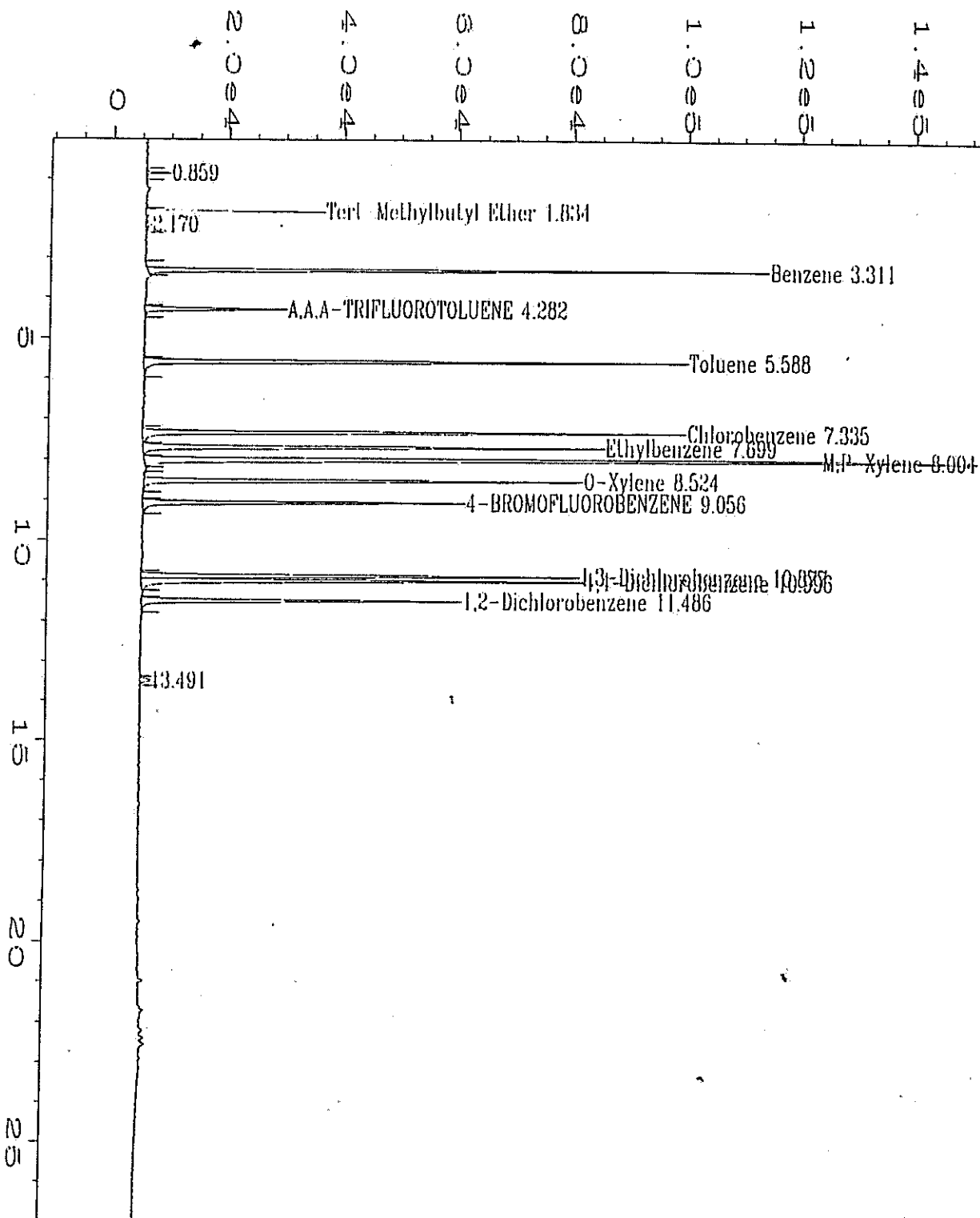
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External Standard Report

Data File Name : C:\HPCHEM\2\DATA\b062696\60626F02.D
 Operator : Doug Anderson Page Number : 1
 Instrument : GC6 Vial Number : 2
 Sample Name : 20ppb 8020 std Injection Number : 1
 Run Time Bar Code: Sequence Line : 1
 Acquired on : 26 Jun 96 11:27 AM Instrument Method: 6B061396.M
 Report Created on: 26 Jun 96 11:54 AM Analysis Method : 6B061396.M
 Last Recalib on : 14 JUN 96 11:11 AM Sample Amount : 0
 Multiplier : 1 ISTD Amount :
 Sample Info : 16ppb surr

Sig. 1 in C:\HPCHEM\2\DATA\b062696\60626F02.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
1.834	106883	VV	0.053	1	18.483	Tert-Methylbutyl Ether
3.311	357731	BV	0.052	1	18.710	Benzene
4.282	96435	BB	0.060	1	16.766	A,A,A-TRIFLUOROTOLUENE
5.588	349325	VV	0.057	1	19.076	Toluene
7.335	351780	BV	0.058	1	18.978	Chlorobenzene
7.699	307854	VV	0.060	1	19.129	Ethylbenzene
8.004	714123	PV	0.063	1	37.544	M,P-Xylene
8.524	292112	BV	0.060	1	18.676	O-Xylene
9.056	214592	PV	0.059	1	16.007	4-BROMOFLUOROBENZENE
10.877	284538	BV	0.058	1	18.270	1,3-Dichlorobenzene
10.996	301766	VV	0.060	1	18.229	1,4-Dichlorobenzene
11.486	216071	VV	0.060	1	18.025	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\2\DATA\b062696\60626F02.D	Page Number	: 1
Operator	: Doug Anderson	Vial Number	: 2
Instrument	: GC6	Injection Number	: 1
Sample Name	: 20ppb 8020 std	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: 6B061396.MT
Acquired on	: 26 Jun 96 11:27 AM	Analysis Method	: 6B061396.MT
Report Created on	: 26 Jun 96 11:54 AM	Sample Amount	: 0
Last Recalib on	: 14 JUN 96 11:11 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: 16ppb surr		

BTEX Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	
Batch No: 062696B	Date Analyzed: 6/26/96
Lab File ID: 60626F03	Time Analyzed: 12:00
Lab Sample ID: AB34963	Level: Low
Instrument ID: GC6	Matrix: Water

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35129 LCS	60626F04	6/26/96
2	NA	AB35130 MS	60626F05	6/26/96
3	NA	AB35131 MSD	60626F06	6/26/96
4	241-T1-GW	AB34959	60626F09	6/26/96
5	TRIP BLK #2	AB34960	60626F07	6/26/96
6	TRIP BLK #3	AB34962	60626F08	6/26/96
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NA = Not Applicable



QA/QC Officer

Comments:

Water BTEX MS/MSD Recovery

Lab Name: EcoSys, Inc.
 Ledger No: 107811
 Batch No: 062696B
 Lab File ID: 60626F05/60626F06

Client: ACESAD
 Matrix Spike/Matrix Dup No.: AB35130 MS
 AB35131 MSD
 AB34960 REF
 Level (Low/Med): Low

Compound	Spike Added (ug/L)	Sample Conc (ug/L)	MS Conc (ug/L)	MS % Recovery	#	QC Limits Recovery
Benzene	20.0	ND	20.7	104		80-120
Toluene	20.0	ND	21.4	107		80-120
Ethylbenzene	20.0	ND	21.0	105		80-120
m,p-Xylene	40.0	ND	43.8	110		80-120
o-Xylene	20.0	ND	23.0	115		80-120

Compound	Spike Added (ug/L)	MSD Conc (ug/L)	MSD % Recovery	#	% RPD	#	QC Limits RPD	Recovery
Benzene	20.0	19.0	95		9		30	80-120
Toluene	20.0	19.9	100		7		30	80-120
Ethylbenzene	20.0	19.3	97		8		30	80-120
m,p-Xylene	40.0	40.6	102		8		30	80-120
o-Xylene	20.0	21.4	107		7		30	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of OC limits

ND = None Detected

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QA/QC Officer

Comments:

BTEX LCS Recoveries (Water)

Lab Name: EcoSys, Inc.
 Ledger No: 107811
 Batch No: 062696B
 Lab File ID: 60626F04

Client: ACE-SAD
 Lab Control Spike: AB35129
 Level (Low/Med): Low

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	LCS Conc (ug/L)	LCS % Recovery	#	QC Limits Recovery
Benzene	20.0	NR	20.3	102		80-120
Toluene	20.0	NR	20.7	104		80-120
Ethylbenzene	20.0	NR	20.7	104		80-120
m,p-Xylene	40.0	NR	41.3	103		80-120
o-Xylene	20.0	NR	20.3	102		80-120

* Values outside of QC limits

ND = Not Detected

NR = Not Required

Spike Recovery: 0 out of 5 outside limits

Robert L. L...

QA/QC Officer

Comments: _____

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc
Ledger No(s): 107811
Batch No.: 062696B
GC Column : DB-VXR

Client: ACESAD

Matrix: Water
Level: Low

[illegible]

Surrogate Recovery Limits: 80-120%

Column to be used to flag recovery values

* Values outside of required QC limits

ND = Not Detected

DO = Diluted Out

Robert Law
QA/QC Officer

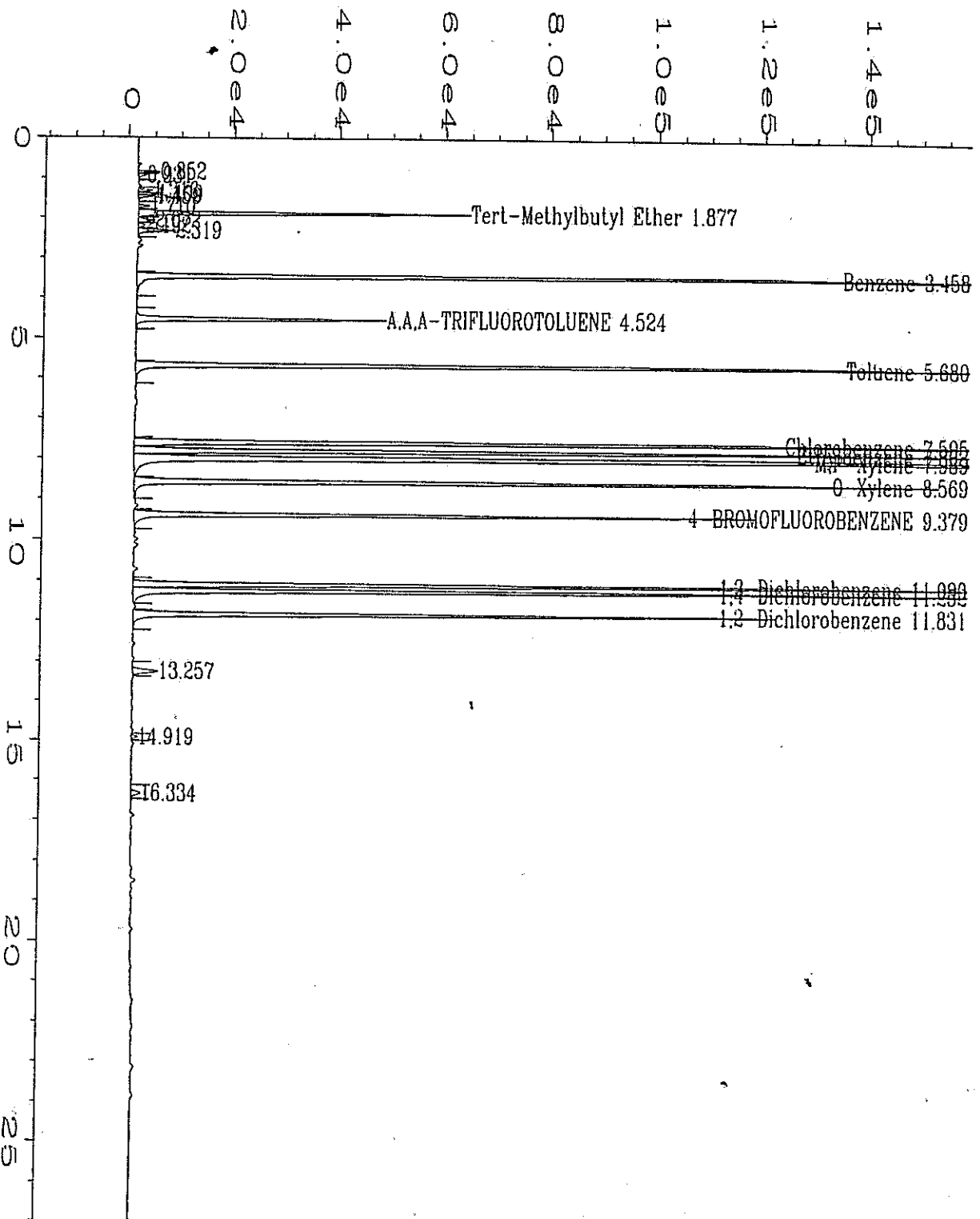
Comments:

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\b070196\30701F02.D
 Operator : Doug Anderson Page Number : 1
 Instrument : GC3 Vial Number : 2
 Sample Name : 20ppb 8020 std Injection Number : 1
 Run Time Bar Code: Sequence Line : 1
 Acquired on : 01 Jul 96 10:51 AM Instrument Method: 3B061396.MTH
 Report Created on: 01 Jul 96 11:19 AM Analysis Method : 3B061396.MTH
 Last Recalib on : 14 JUN 96 10:38 AM Sample Amount : 0
 Multiplier : 1 ISTD Amount :
 Sample Info : 16ppb surr

Sig. 1 in C:\HPCHEM\1\DATA\b070196\30701F02.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
1.877	233799	VV	0.058	1	20.131	Tert-Methylbutyl Ether
3.458	745156	BB	0.056	1	19.026	Benzene
4.524	198292	VB	0.065	1	13.986	A,A,A-TRIFLUOROTOLUENE
5.680	703308	VB	0.060	1	18.713	Toluene
7.595	699570	BV	0.058	1	18.541	Chlorobenzene
7.802	631671	VV	0.061	1	18.782	Ethylbenzene
7.989	1461324	VV	0.063	1	37.760	M,P-Xylene
8.569	613748	VV	0.063	1	18.601	O-Xylene
9.379	455610	PV	0.061	1	16.067	4-BROMOFLUOROBENZENE
11.090	619780	BV	0.060	1	18.304	1,3-Dichlorobenzene
11.252	635534	VV	0.061	1	18.544	1,4-Dichlorobenzene
11.831	478932	VB	0.061	1	20.092	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\b070196\30701F02.D	Page Number	: 1
Operator	: Doug Anderson	Vial Number	: 2
Instrument	: GC3	Injection Number	: 1
Sample Name	: 20ppb 8020 std	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: 3B061396.MTH
Printed on	: 01 Jul 96 10:51 AM	Analysis Method	: 3B061396.MTH
Print Created on	: 01 Jul 96 11:19 AM	Sample Amount	: 0
Last Recalib on	: 14 JUN 96 10:38 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: 16ppb surr		

BTEX Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	
Batch No: 06269600	Date Analyzed: 7/1/96
Lab File ID: 30701F03	Time Analyzed: 11:24
Lab Sample ID: AB34964	Level: Low
Instrument ID: GC3	Matrix: Soil

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35203 LCS	30701F04	7/1/96
2	243-T1-S1	AB34961	30701F08	7/1/96
3				
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NA = Not Applicable


QA/QC Officer

Comments:

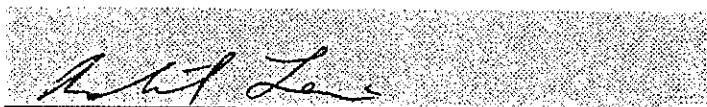
BTEX Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	
Batch No: 070196B	Date Analyzed: 7/1/96
Lab File ID: 30701F03	Time Analyzed: 11:24
Lab Sample ID: AB34964	Level: Low
Instrument ID: GC3	Matrix: Soil

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35211 MS	30701F05	7/1/96
2	NA	AB35212 MSD	30701F06	7/1/96
3				
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NA = Not Applicable


QA/QC Officer

Comments:

Soil BTEX MS/MSD Recovery

Lab Name: EcoSys, Inc.
 Ledger No: 107811
 Batch No: 070196B
 Lab File ID: 30701F05/30701F06

Client: USACE-SAD
 Matrix Spike/Lab Sample No: AB34961 REF
 AB35211 MS
 AB35212 MSD

Compound	Spike Added (ug/Kg)	Sample Conc (ug/Kg)	MS Conc (ug/Kg)	MS % Recovery	#	QC Limits Recovery
Benzene	20	ND	11	57		40-160
Toluene	20	ND	12	59		40-160
Ethylbenzene	20	ND	8.3	42		40-160
m,p-Xylene	40	ND	16	40		40-160
o-Xylene	20	ND	8.2	41		40-160

Compound	Spike Added (ug/Kg)	MSD Conc (ug/Kg)	MSD % Recovery	#	% RPD	#	QC Limits	
Benzene	20	11	56		1		RPD	Recovery
Toluene	20	13	67		12		30	40-160
Ethylbenzene	20	8	39	*	6		30	40-160
m,p-Xylene	40	15	39	*	4		30	40-160
o-Xylene	20	8	39	*	5		30	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = Not Detected

RPD: 0 out of 5 outside limits

Spike Recovery: 3 out of 10 outside limits

Robert L. L...
 QA/QC Officer

Comments: MSD show interference matrix for Ethylbenzene, m,p-Xylene, o-Xylene.

BTEX LCS Recoveries (Soil)

Lab Name: EcoSys, Inc.
 Ledger No: 107811
 Batch No: 06269600
 Lab File ID: 30701F04

Client: ACE-SAD
 Laboratory Control Sample No: AB35203
 Level (Low/Med): Low

Compound	Spike Added (ug/Kg)	LCS Conc (ug/Kg)	LCS % Recovery	#	QC Limits Recovery
Benzene	20	20	100		40-160
Toluene	20	20	100		40-160
Ethylbenzene	20	20	100		40-160
m,p-Xylene	40	40	100		40-160
o-Xylene	20	20	100		40-160

* Values outside of OC limits
 ND = Not Detected

Spike Recovery: 0 out of 5 outside limits


 QA/QC Officer

Comments: _____

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	
Batch No.: 6269600	Matrix: SOIL
GC Column : DB-VXR	Level: LOW

[illegible]

Surrogate Recovery Limits: 40-160%

Column to be used to flag recovery values

* Values outside of required QC limits

ND = Not Detected

DO = Diluted Out

Robert L. L...
QA/QC Officer

Comments:

BTEX Surrogate Recovery Summary

Client: ACE-SAD
Matrix: SOIL
Level: LOW

[illegible]

Surrogate Recovery Limits: 40-160%

Column to be used to flag recovery values

* Values outside of required QC limits

ND = Not Detected

DO = Diluted Out

Robert L. Linn
QA/QC Officer

Comments:

*Surrogate is outside QC limits.

SemiVolatiles DFTPP

Lab Name: EcoSys, Inc.Client: ACE SADLedger No: 107811DFTPP Injection Date: 6/27/96Lab File ID: DFTPP062796DFTPP Injection Time: 15:13Instrument ID: MSD-3Batch Number: 062796B

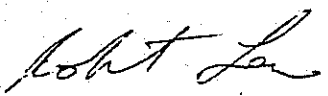
m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	72.0 (1)
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1.0% of mass 198	0.0 (1)
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 1% of mass 198	1.6
441	Present, but less than mass 443	77.6
442	Greater than 40% of mass 198	46.4
443	17.0 - 23.0% of mass 442	20.1 (2)

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	01 NA	CCV	BNA0101001	06/27/96	3:35 PM
	02 METHOD BLANK W	AB34963	BNA0201002	06/27/96	4:30 PM
	04 NA	AB35002 LCS	BNA0301003	06/27/96	5:30 PM
	06 NA	AB35000 MS	BNA0501005	06/27/96	7:31 PM
	07 NA	AB35001 MSD	BNA0601006	06/27/96	8:30 PM
	08 241-T1-GW	AB34959	BNA0701007	06/27/96	9:29 PM
	09 METHOD BLANK	AB35458	BNA1401014	06/29/96	3:12 AM
	10 241-T1-GW	AB34959RE	BNA1501015	06/29/96	4:11 AM
	11				
	12				
	13				
Comments:					



QA/QC OFFICER

Data File: /chem/msd3.i/3-062796.b/dftpp062796.d
Port Date: 27-Jun-1996 15:29

Page 1

EcoSys, Inc.

Data file : /chem/msd3.i/3-062796.b/dftpp062796.d
Lab. Id. : DFTPP02
Inj Date : 27-JUN-96 15:13 Autotune Date: 07-Jun-96 08:53:1
Operator : BINA Inst ID: msd3.i
Smp Info : 50ng OF DFT-04-(37)
Misc Info : INSTRUMENT TUNE FOR msd3.i
Comment :
Method : /chem/msd3.i/3-062796.b/dftpp288.m
Meth Date : 27-Jun-1996 14:40
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: WATER

		CONCENTRATIONS			
		ON-COL	FINAL		
RT (REL RT)	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp		CAS #: 5074-71-5			
7.903(0.000)	198	226880			100.00(Q)
7.903(0.000)	51	130341		0.00- 0.00	57.45
7.903(0.000)	68	0		0.00- 0.00	0.00
7.903(0.000)	69	159984		0.00- 0.00	70.51
7.903(0.000)	70	0		0.00- 0.00	0.00
7.903(0.000)	127	108450		0.00- 0.00	47.80
7.903(0.000)	197	0		0.00- 0.00	0.00
7.903(0.000)	199	14491		0.00- 0.00	6.39
7.903(0.000)	275	45208		0.00- 0.00	19.93
7.903(0.000)	365	4340		0.00- 0.00	1.91
7.903(0.000)	441	17783		0.00- 0.00	74.71
7.903(0.000)	442	119096		0.00- 0.00	52.49
7.903(0.000)	443	23803		0.00- 0.00	19.99

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Report Date: 27-Jun-1996 15:29

EcoSys, Inc.

TARGET COMPOUNDS

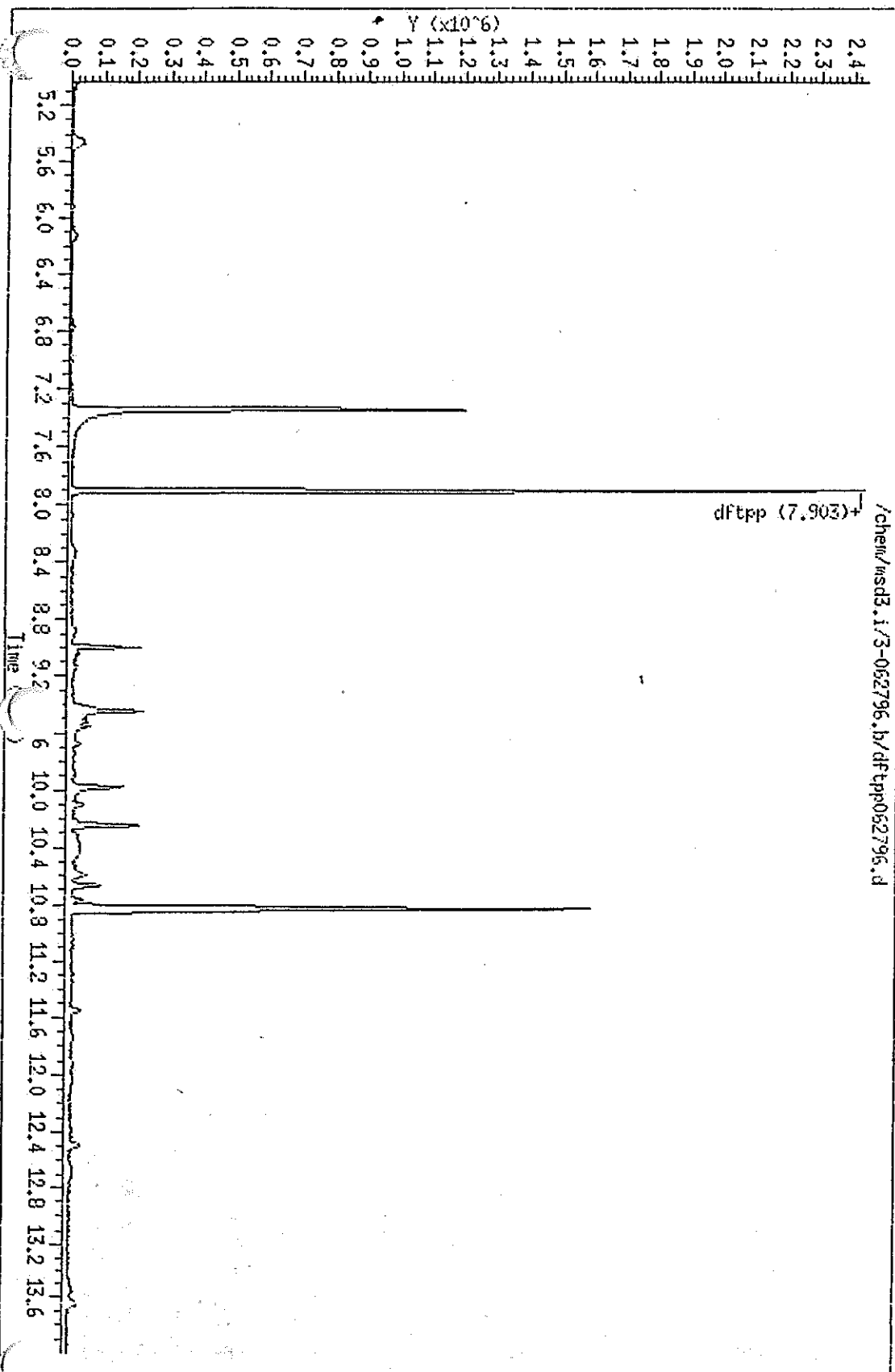
Client Name:	Client SOG: 3-062796.b
Client Sample ID: DFTPP02	Sample Date:
Sample Location:	Sample Point:
Lab Sample ID: DFTPP02	Date Received:
Sample Type: WATER	Level: LOW
Analysis Type: SU	Column Number: 1
Data Type: MS DATA	
Misc Info: INSTRUMENT TUNE FOR msd3.1	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/KG)	ug/L
5074-71-5-----dftpp		0.0	
=====		=====	=====

Data File: /chem/msd3.i/3-062796.b/dftpp062796.d
Date : 27-JUN-96 15:13
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 2.00

Page 3



Data File: /chem/msd3.1/3-062796.b/dftpp062796.d

Page 4

Date: 27-JUN-96 15:13

Instrument: msd3.1

Sample ID: DFTPP02

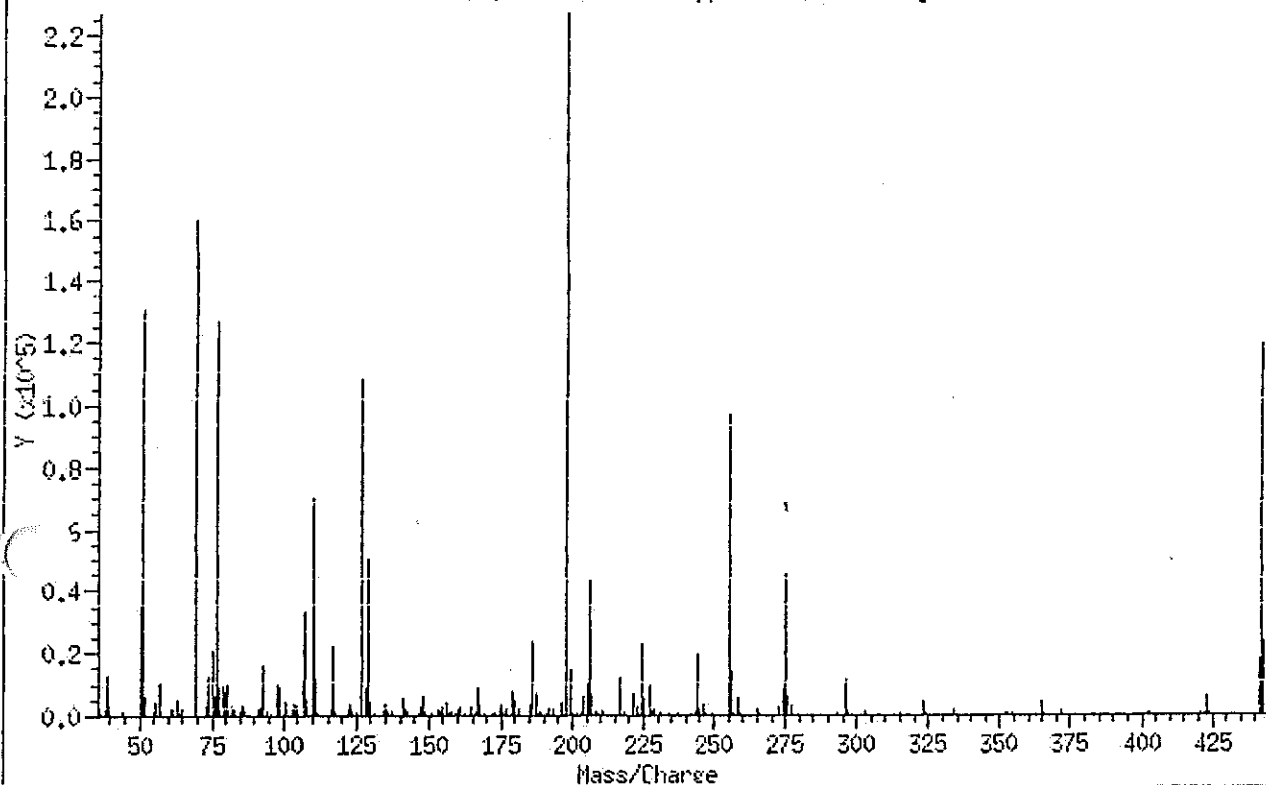
Column phase:

Column diameter: 2.00

Volume Injected (uL): 1.0

1 dftpp

Scan 400 (7.903 min) of dftpp062796.d (Averaged)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	Mass 51 relative abundance	57.4
68	Mass 68 relative abundance	0.0
69	Mass 69 relative abundance	70.5
70	Mass 70 relative abundance	0.0
127	Mass 127 relative abundance	47.8
197	Mass 197 relative abundance	0.0
199	Mass 199 relative abundance	6.4
275	Mass 275 relative abundance	19.9
365	Mass 365 relative abundance	1.9
441	Mass 441 relative abundance	74.7
442	Mass 442 relative abundance	52.5
443	Mass 443 relative abundance	20.0

Date: 27-JUN-96 15:13

Instrument: msd3.i

Sample ID: DFTPP02

Column phase:

Column diameter: 2.00

Volume Injected (uL): 1.0

Spectrum: Scan 400-402 (7.903 min) Subtraction Scan 396

Base Peak: 198.00

Number of mass peaks: 189

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
37.00	627	111.00	10812	176.00	1011	246.00	3353
38.00	1833	112.00	855	177.00	1799	247.00	724
39.00	12309	116.00	2400	178.00	276	249.00	352
41.00	323	117.00	22538	179.00	7723	255.00	96821
45.00	245	118.00	1592	180.00	5168	256.00	13875
49.00	243	122.00	2182	181.00	2340	257.00	849
50.00	35221	123.00	3238	184.00	236	258.00	5277
51.00	130341	124.00	1613	185.00	3287	259.00	665
52.00	6401	125.00	1264	186.00	23273	265.00	2150
55.00	1110	127.00	108450	187.00	6792	266.00	270
56.00	4255	128.00	8906	188.00	655	273.00	2864
57.00	10075	129.00	49650	189.00	1480	274.00	8026
58.00	244	130.00	4349	191.00	393	275.00	45208
61.00	1747	131.00	691	192.00	2075	276.00	6046
62.00	1844	134.00	1339	193.00	2244	277.00	2990
63.00	4879	135.00	3529	194.00	256	293.00	689
64.00	640	136.00	1512	196.00	4409	296.00	11139
65.00	2081	137.00	1699	198.00	226880	297.00	1245
69.00	159984	140.00	308	199.00	14491	303.00	1439
73.00	655	141.00	5817	200.00	860	314.00	235
74.00	12425	142.00	1813	201.00	849	315.00	829
75.00	20544	143.00	1306	203.00	1263	316.00	302
76.00	6489	146.00	987	204.00	5902	323.00	3966
77.00	126944	147.00	2748	205.00	10703	324.00	371
78.00	9207	148.00	6340	206.00	43840	327.00	272
79.00	9865	149.00	1147	207.00	5384	334.00	2311
80.00	7624	151.00	624	208.00	1650	335.00	280
81.00	9833	152.00	256	209.00	568	341.00	272
82.00	2519	153.00	1947	210.00	234	346.00	321
83.00	2094	154.00	1490	211.00	1563	352.00	884
85.00	1667	155.00	3079	217.00	11484	353.00	622
86.00	2873	156.00	4117	218.00	1329	354.00	879
87.00	1482	157.00	821	221.00	6884	365.00	4340
91.00	2331	158.00	1346	223.00	2628	366.00	595
92.00	2728	159.00	624	224.00	23076	372.00	1384

Date: 27-JUN-96 15:13

Instrument: msd3.i

Sample ID: DFTPP02

Column phase:

Column diameter: 2.00

Volume Injected (uL): 1.0

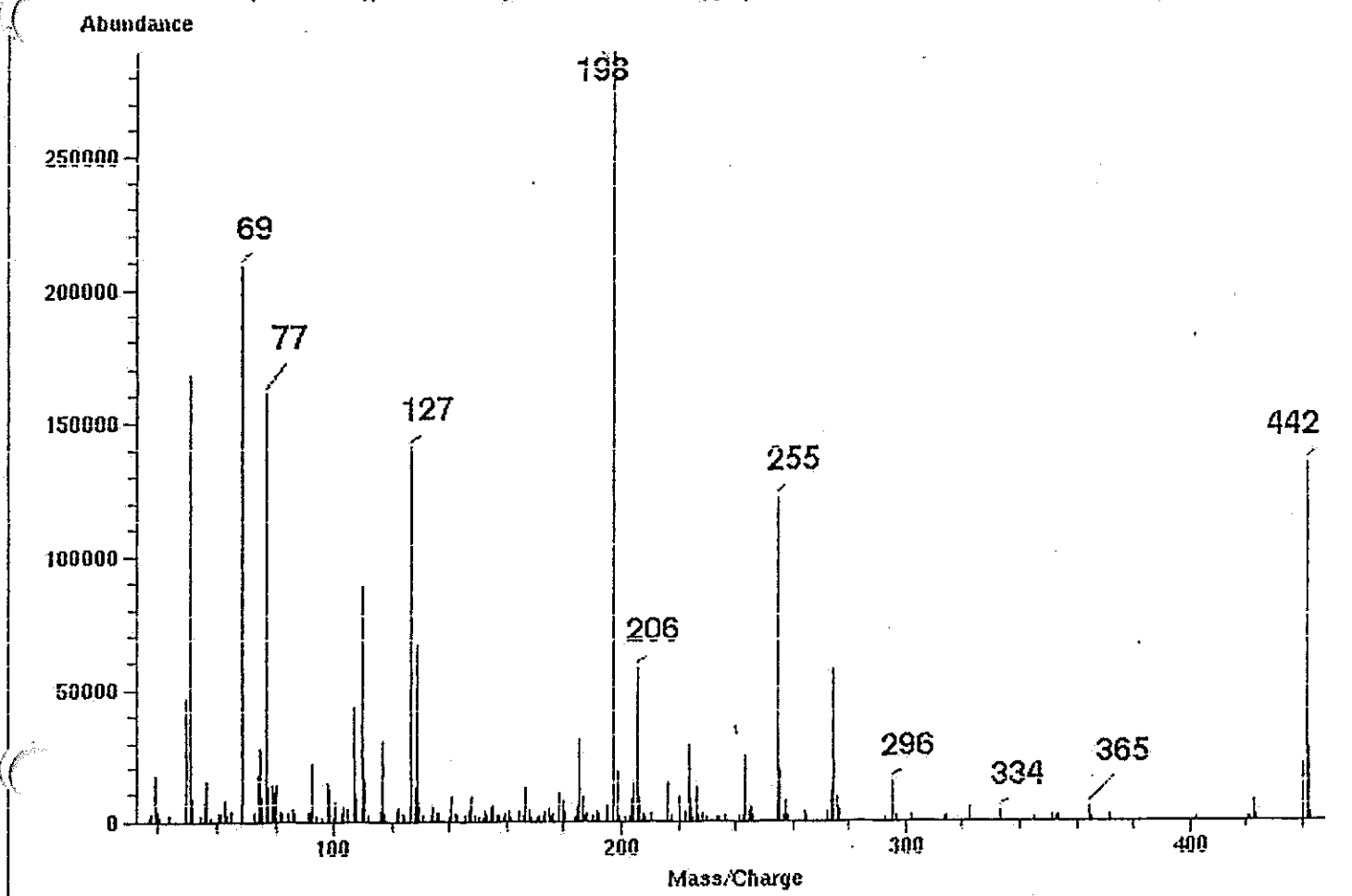
Spectrum: Scan 400-402 (7.903 min) Subtraction Scan 396

Base Peak: 198.00

Number of mass peaks: 189

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
93.00	16171	160.00	1852	225.00	5491	402.00	396
94.00	1065	161.00	2575	226.00	297	403.00	770
96.00	592	162.00	601	227.00	9557	421.00	746
98.00	10702	165.00	2548	228.00	1302	422.00	736
99.00	8802	166.00	1492	229.00	1816	423.00	6123
100.00	907	167.00	9322	231.00	662	424.00	1026
101.00	4483	168.00	3479	234.00	534	441.00	17783
103.00	1793	169.00	595	235.00	250	442.00	119096
104.00	3290	171.00	298	237.00	614	443.00	23803
105.00	2856	172.00	1010	242.00	894	444.00	2176
107.00	33032	173.00	793	243.00	1070		
108.00	4990	174.00	2077	244.00	19282		
110.00	70117	175.00	3567	245.00	2384		

Scan 401 (7.903 min) of dftpp062795.d
 mad3 (ms5971-2); /chem/config/dvc/ms5971-2/dftpp.u; Tuned at 08:53 AM EDT on Fri Jun 07, 1996



Mass	Ion abundance criteria	%relative abundance
51	30.0 - 60.0% of mass 198	58.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance is	72.0
70	Less than 2.0% of mass 69	0.0
127	40.0 to 60.0% of mass 198	48.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 1% of mass 198	1.6
441	Present, but less than mass 443	77.6
442	Greater than 40.0% of mass 198	46.4
443	17.0 - 23.0% of mass 442	20.1

EcoSys, Inc.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/msd3.1/3-062796.b/BNA0101001.d
 Lab. Id. :
 Inj Date : 27-JUN-1996 15:35 Autotune Date: 07-Jun-96 08:53:1
 Operator : BINA SHAH Inst ID: msd3.1
 Smp Info : BNA-80-38
 Misc Info : CONT CAL 80UG/ML
 Comment :
 Method : /chem/msd3.1/3-062796.b/MA-BNA_2.m
 Meth Date : 28-Jun-1996 08:39 target
 Cal Date : 27-JUN-96 15:35 Cal File: BNA0101001.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.000 Target Version: Target 2.20
 Integrator: HP RTE Compound Sublist: all.sub
 Sample Type: WATER

Compounds	QUANT SIG MASS	RT (REL RT)	RESPONSE	CONCENTRATIONS	
				ON-COLUMN (ng/ul)	FINAL (ug/L)
1 2-Fluorophenol	112.00	9.554(0.718)	1272984	79.9	79.9
2 Phenol-d5	99.00	12.578(0.945)	1897719	80.9	80.9
3 Aniline	93.00	12.726(0.955)	1840236	75.4	75.4
4 Phenol **	94.00	12.627(0.949)	1900940	78.4	78.4
5 Bis(2-chloroethyl) ether	93.00	12.726(0.956)	1840236	79.5	79.5
6 2-Chlorophenol	128.00	12.766(0.959)	1376979	80.6	80.6
7 1,3-Dichlorobenzene	146.00	13.131(0.987)	1598072	73.2	73.2
8 1,4-Dichlorobenzene-d4	152.00	13.309(1.000)	548945	40.0	
9 1,4-Dichlorobenzene **	146.00	13.358(1.004)	1601020	71.9	71.9
10 1,2-Dichlorobenzene	146.00	13.743(1.033)	1565282	73.5	73.5
11 Benzyl alcohol	79.00	13.832(1.039)	165249	8.01	8.01 (aH)
12 2-Methylphenol	108.00	14.188(1.066)	1204576	75.1	75.1
13 Bis(2-chloroisopropyl) ether	45.00	14.148(1.063)	2420859	88.8	88.8
14 4-Methylphenol	108.00	14.633(1.099)	1119165	68.0	68.0
15 N-Nitrosodi-n-propylamine *	70.00	14.564(1.094)	1348763	77.1	77.1
16 Hexachloroethane	117.00	14.633(1.099)	640633	66.8	66.8
17 Nitrobenzene-d5	82.00	14.851(0.889)	2093944	75.3	75.3
18 Nitrobenzene	77.00	14.910(0.893)	1947416	75.3	75.3
19 Isophorone	82.00	15.582(0.933)	4043222	77.6	77.6
20 2-Nitrophenol **	139.00	15.741(0.943)	1054584	87.2	87.2
21 2,4-Dimethylphenol	107.00	15.998(0.958)	1480430	67.8	67.8
22 Bis(2-Chloroethoxy)methane	93.00	16.216(0.971)	2386326	85.6	85.6
23 2,4-Dichlorophenol **	162.00	16.433(0.984)	1207366	73.8	73.8
24 Benzoic acid	105.00	16.542(0.000)	779134	58.9	58.9 (aH)
1,2,4-Trichlorobenzene	180.00	16.582(0.993)	1260883	66.9	66.9
Naphthalene-d8	136.00	16.701(1.000)	1918766	40.0	
27 Naphthalene	128.00	16.771(1.004)	3760248	72.0	72.0
28 4-Chloroaniline	127.00	17.424(1.004)	1589447	73.4	73.4 (H)
29 Hexachlorobutadiene **	225.00	17.117(1.025)	719369	61.9	61.9
30 4-Chloro-3-methylphenol **	107.00	18.333(1.098)	1235995	63.8	63.8
31 2-Methylnaphthalene	142.00	18.590(1.113)	2470304	73.6	73.6

Compounds	QUANT SIG MASS	RT (REL RT)	RESPONSE	CONCENTRATIONS	
				ON-COLUMN (ng/ul)	FINAL (ug/L)
32 Hexachlorocyclopentadiene *	237.00	18.996(0.892)	683245	75.2	75.2
33 2,4,6-Trichlorophenol **	196.00	19.372(0.910)	675875	71.2	71.2
34 2,4,5-Trichlorophenol	196.00	19.471(0.914)	789826	71.7	71.7
35 2-Fluorobiphenyl	172.00	19.590(0.920)	2807399	73.0	73.0
36 2-Chloronaphthalene	162.00	19.858(0.933)	2516810	75.5	75.5
37 2-Nitroaniline	65.00	20.194(0.948)	1111253	85.6	85.6
38 Dimethyl phthalate	163.00	20.708(0.973)	3356854	79.8	79.8
39 2,6-Dinitrotoluene	165.00	20.856(0.980)	815139	85.7	85.7
40 Acenaphthylene	152.00	20.926(0.983)	3770574	79.2	79.2
41 3-Nitroaniline	138.00	21.292(1.000)	682488	79.0	79.0
* 42 Acenaphthene-d10	164.00	21.292(1.000)	1130774	40.0	
43 Acenaphthene **	153.00	21.391(1.005)	2547557	76.6	76.6
44 2,4-Dinitrophenol *	184.00	21.540(1.012)	382584	91.8	91.8
45 4-Nitrophenol *	65.00	21.827(1.025)	550365	60.7	60.7
46 2,4-Dinitrotoluene	165.00	21.886(1.028)	1013053	81.8	81.8
47 Dibenzofuran	168.00	21.837(1.026)	3031779	69.2	69.2
48 Diethyl phthalate	149.00	22.559(1.060)	3355273	76.2	76.2
49 4-Chlorophenyl phenyl ether	204.00	22.768(1.069)	1132774	66.7	66.7
Fluorene	166.00	22.728(1.067)	2513962	70.8	70.8
4-Nitroaniline	138.00	22.877(1.074)	521929	99.6	99.6
52 4,6-Dinitro-2-methylphenol	198.00	22.947(0.913)	516948	81.0	81.0(11)
53 N-Nitrosodiphenylamine **	169.00	23.115(0.919)	1056024	92.7	92.7
54 1,2-Diphenylhydrazine	77.00	23.205(0.923)	7492107	81.9	81.9(A)
* 55 2,4,6-Tribromophenol	330.00	23.373(1.098)	466531	66.1	66.1
56 4-Bromophenyl phenyl ether	248.00	24.036(0.956)	740411	73.1	73.1
57 Hexachlorobenzene	283.70	24.145(0.960)	880916	70.1	70.1
58 Pentachlorophenol **	265.70	24.689(0.982)	429950	63.2	63.2
* 59 Phenanthrene-d10	188.00	25.145(1.000)	1499246	40.0	
60 Phenanthrene	178.00	25.224(1.003)	3401157	79.6	79.6
61 Anthracene	178.00	25.353(1.008)	3213039	78.7	78.7
62 Carbazole	167.00	25.788(1.026)	1346980	126	126(11)
63 Di-n-butyl phthalate	149.00	26.777(1.065)	5454851	79.2	79.2
64 Fluoranthene **	202.00	28.299(1.125)	3237872	70.9	70.9
65 Pyrene	202.00	28.882(0.902)	3387506	82.0	82.0
* 66 Terphenyl-d14	244.00	29.337(0.916)	2279501	82.9	82.9
67 Butyl benzyl phthalate	149.00	30.640(0.957)	2357366	92.4	92.4
68 Dioctyl adipate	129.00	30.878(0.964)	1693346	93.2	93.2(A)
69 3,3'-Dichlorobenzidine	252.00	31.965(0.998)	144384	31.7	31.7(11)
70 Bis(2-ethylhexyl) phthalate	149.00	32.135(1.003)	3095024	87.5	87.5
71 Benz(a)anthracene	228.00	31.995(0.999)	2793674	81.5	81.5
* 72 Chrysene-d12	240.00	32.025(1.000)	1126063	40.0	
73 Chrysene	228.00	32.095(1.002)	2405609	81.7	81.7
74 Di-n-octyl phthalate **	149.00	33.767(0.938)	5535512	90.0	90.0
75 Benzo(b)fluoranthene	252.00	34.805(0.967)	2870356	82.1	82.1
Benzo(k)fluoranthene	252.00	34.904(0.969)	2364674	78.8	78.8
Benzo(a)pyrene **	252.00	35.844(0.996)	2386151	81.6	81.6
* 78 Perylene-d12	264.00	36.003(1.000)	922950	40.0	
79 Indeno(1,2,3-cd)pyrene	276.00	40.405(1.122)	2070745	74.9	74.9
80 Dibenz(a,h)anthracene	278.00	40.544(1.126)	1968692	78.7	78.7
81 Benzo(g,h,i)perylene	276.00	41.779(1.160)	1964549	73.3	73.3

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Report Date: 28-Jun-1996 08:39

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.1 Injection Date: 27-JUN-1996 15:35
 Lab File ID: BNA0101001.d Init. Calibration Date(s): 03/10/93 06/14/96
 Analysis Type: WATER Init. Calibration Times: 11:35 12:12
 Lab Sample ID: Method File: /chem/msd3.1/3-062796.b/NA-BNA_2.m

COMPOUND	RRF	RF80	MIN	MAX
=====	=====	=====	=====	=====
12-Fluorophenol	1.161	1.159	0.050	30.0
1Phenol-d5	1.709	1.729	0.050	30.0
1Aniline	1.779	1.676	0.050	30.0
1Phenol **	1.767	1.731	0.050	30.0
1Bis(2-chloroethyl) ether	1.686	1.676	0.050	30.0
12-Chlorophenol	1.245	1.254	0.050	30.0
11,3-Dichlorobenzene	1.592	1.456	0.050	30.0
11,4-Dichlorobenzene **	1.622	1.458	0.050	30.0
11,2-Dichlorobenzene	1.552	1.426	0.050	30.0
1Benzyl alcohol	1.503	0.151	0.050	30.0
12-Methylphenol	1.169	1.097	0.050	30.0
1Bis(2-chloroisopropyl) ether	1.987	2.205	0.050	30.0
14-Methylphenol	1.199	1.019	0.050	30.0
1N-Nitrosodi-n-propylamine *	1.274	1.229	0.050	30.0
1Hexachloroethane	0.698	0.584	0.050	30.0
1Nitrobenzene-d5	0.579	0.546	0.050	30.0
1Nitrobenzene	0.539	0.507	0.050	30.0
1Isophorone	1.086	1.054	0.050	30.0
12-Nitrophenol **	0.252	0.275	0.050	30.0
12,4-Dimethylphenol	0.455	0.386	0.050	30.0
1Bis(2-Chloroethoxy)methane	0.581	0.622	0.050	30.0
12,4-Dichlorophenol **	0.341	0.315	0.050	30.0
1Benzoic acid	0.276	0.203	0.010	30.0
11,2,4-Trichlorobenzene	0.393	0.329	0.050	30.0
1Naphthalene	1.089	0.980	0.050	30.0
14-Chloroaniline	0.452	0.414	0.050	30.0
1Hexachlorobutadiene **	0.242	0.187	0.050	30.0
14-Chloro-3-methylphenol **	0.404	0.322	0.050	30.0
12-Methylnaphthalene	0.699	0.644	0.050	30.0
1Hexachlorocyclopentadiene *	0.321	0.302	0.050	30.0
12,4,6-Trichlorophenol **	0.336	0.299	0.050	30.0
12,4,5-Trichlorophenol	0.390	0.349	0.050	30.0
12-Fluorobiphenyl	1.361	1.241	0.050	30.0
12-Chloronaphthalene	1.179	1.113	0.050	30.0
12-Nitroaniline	0.459	0.491	0.050	30.0
1Dimethyl phthalate	1.488	1.484	0.050	30.0
12,6-Dinitrotoluene	0.337	0.360	0.050	30.0
1Acenaphthylene	1.685	1.667	0.050	30.0
13-Nitroaniline	0.306	0.302	0.050	30.0
1Acenaphthene **	1.177	1.126	0.050	30.0
12,4-Dinitrophenol *	0.147	0.169	0.050	30.0
14-Nitrophenol *	0.321	0.243	0.050	30.0
12,4-Dinitrotoluene	0.438	0.448	0.050	30.0
1Dibenzofuran	1.549	1.341	0.050	30.0

Report Date: 28-Jun-1996 08:39

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.1 Injection Date: 27-JUN-1996 15:35
 Lab File ID: BNA0101001.d Init. Calibration Dates: 05/10/93 06/14/96
 Analysis Type: WATER Init. Calibration Times: 11:35 12:12
 Lab Sample ID: Method File: /chem/msd3.1/3-062796.b/NA-BNA_2.m

COMPOUND	RRF	RF80	RRF	%D	MAX
=====	=====	=====	=====	=====	=====
14-Chlorophenyl phenyl ether	0.601	0.501	0.050	16.6	30.0
1-Fluorene	1.255	1.112	0.050	11.4	30.0
14-Nitroaniline	0.185	0.231	0.050	24.5	30.0
14,6-Dinitro-2-methylphenol	0.170	0.172	0.050	1.2	30.0
1-N-Nitrosodiphenylamine **	0.304	0.352	0.050	15.9	30.0
1,2-Diphenylhydrazine	2.440	2.499	0.050	2.4	30.0
12,4,6-Tribromophenol	0.250	0.206	0.050	17.4	30.0
14-Bromophenyl phenyl ether	0.270	0.247	0.050	8.7	30.0
1-Hexachlorobenzene	0.335	0.294	0.050	12.4	30.0
1-Pentachlorophenol **	0.181	0.143	0.050	20.9	30.0
1-Phenanthrene	1.140	1.134	0.050	0.5	30.0
1-Anthracene	1.089	1.072	0.050	1.6	30.0
1-Carbazole	0.286	0.449	0.050	56.9	30.0 <-
1-Di-n-butyl phthalate	1.836	1.819	0.050	0.9	30.0
1-Fluoranthene **	1.219	1.080	0.050	11.4	30.0
1-Pyrene	1.468	1.504	0.050	2.4	30.0
1-Terphenyl-d14	0.977	1.012	0.050	3.6	30.0
1-Butyl benzyl phthalate	0.906	1.047	0.050	15.5	30.0
1-Dioctyl adipate	0.645	0.752	0.050	16.5	30.0
1,3,3'-Dichlorobenzidine	0.162	0.064	0.050	60.4	30.0 <-
1-Bis(2-ethylhexyl) phthalate	1.256	1.374	0.050	9.4	30.0
1-Benz(a)anthracene	1.217	1.240	0.050	1.9	30.0
1-Chrysene	1.046	1.068	0.050	2.2	30.0
1-Di-n-octyl phthalate **	2.664	2.999	0.050	12.6	30.0
1-Benzo(b)fluoranthene	1.515	1.555	0.050	2.6	30.0
1-Benzo(k)fluoranthene	1.301	1.281	0.050	1.5	30.0
1-Benzo(a)pyrene **	1.267	1.293	0.050	2.0	30.0
1-Indeno(1,2,3-cd)pyrene	1.198	1.122	0.050	6.4	30.0
1-Dibenz(a,h)anthracene	1.084	1.067	0.050	1.6	30.0
1-Benzo(g,h,i)perylene	1.161	1.064	0.050	8.3	30.0

EcoSys, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msd3.i
 Lab File ID: BNA0101001.d
 Lab Sample ID:
 Analysis Type: SU
 Method File: /chem/msd3.1/3-062796.b/NA-BNA_2.m
 Misc Info: CONT CAL 80UG/ML

Calibration Date: 06/27/96
 Calibration Time: 1628
 Sample Type: WATER
 Level: LOW

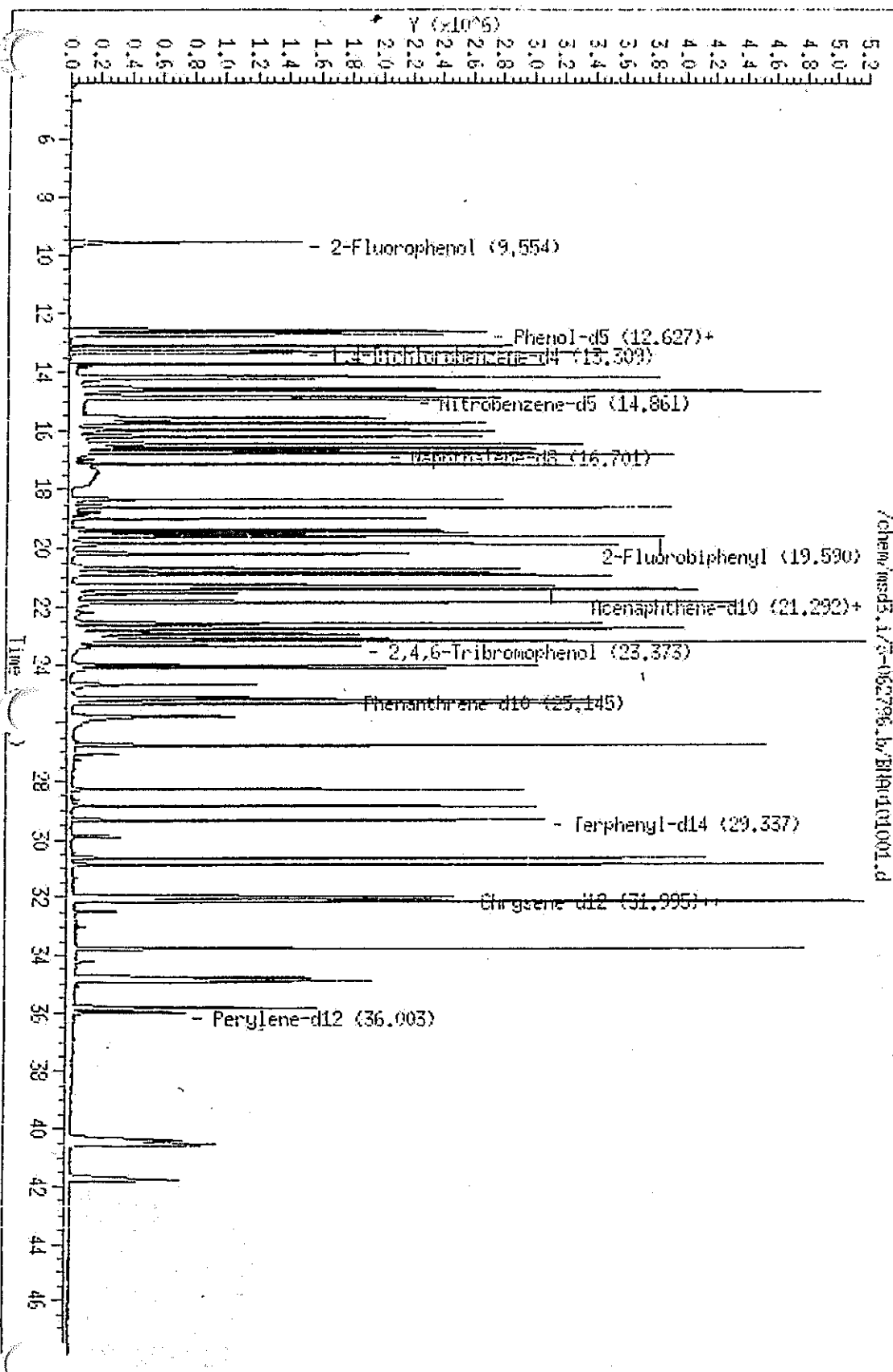
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	% DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenzene-	548945	274472	1097890	548945	0.00
26 Naphthalene-d8	1918766	959383	3837532	1918766	0.00
42 Acenaphthene-d10	1130774	565387	2261548	1130774	0.00
59 Phenanthrene-d10	1499246	749623	2998492	1499246	0.00
72 Chrysene-d12	1126063	563031	2252126	1126063	0.00
78 Perylene-d12	922950	461475	1845900	922950	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	% DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenzene-	13.31	12.81	13.81	13.31	0.00
26 Naphthalene-d8	16.70	16.20	17.20	16.70	0.00
42 Acenaphthene-d10	21.29	20.79	21.79	21.29	0.00
59 Phenanthrene-d10	25.14	24.64	25.64	25.14	0.00
72 Chrysene-d12	32.02	31.52	32.52	32.02	0.00
78 Perylene-d12	36.00	35.50	36.50	36.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd3.i/5-062796.b/BH0101001.d
Date: 27-JUN-1993 15:35
Instrument: msd3.1
Sample ID:
Column phase:
Volume injected (ul): 1.0

Column diameter: 0.20



SemiVolatile Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	Extraction Method No.: 3510
Batch No(s): 062496A	Date Extracted: 6/24/96
Lab File ID: BNA0201002	Date Analyzed: 6/27/96
Lab Sample ID: AB34963	Time Analyzed: 16:30
Cleanup Method: NA	Level: Low
Instrument ID: MSD-3	Matrix: Water

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35002 LCS	BNA0301003	6/27/96
2	NA	AB35000 MS	BNA0501005	6/27/96
3	NA	AB35001 MSD	BNA0601006	6/27/96
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QA/QC Officer

Comments:

SemiVolatile Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	Extraction Method No.: 3510
Batch No(s): 0627960001	Date Extracted: 6/27/96
Lab File ID: BNA1401014	Date Analyzed: 6/29/96
Lab Sample ID: AB35458	Time Analyzed: 3:12
Cleanup Method: NA	Level: Low
Instrument ID: MSD-3	Matrix: Water

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	241-T1-GW	AB34959 RE	BNA1501015	6/29/96
2				
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Robert Lai

QA/QC Officer

Comments:

RE-Sample was re-extracted.

SemiVolatile MS/MSD Recovery

Lab Name: EcoSys, Inc.	Client: ACE SAD
Ledger No(s): 107811	Matrix Spike/MS Dup: AB35000 MS
Batch No(s): 062496A	AB35001 MSD
Lab File ID: BNA0501005/BNA0601006	AB34965 REF

Compound	Spike Added (ug/L)	Sample Conc (ug/L)	MS Conc (ug/L)	MS % Recovery	#	QC Limits Recovery
Phenol	345	ND	49	14		12-110
2-Chlorophenol	345	ND	144	42		27-123
1,4-Dichlorobenzene	172	ND	70	41		36-97
N-Nitroso-di-n-propylamine	172	ND	79	46		41-116
1,2,4-Trichlorobenzene	172	ND	70	40		39-98
4-Chloro-3-methylphenol	345	ND	186	54		23-97
Acenaphthene	172	ND	87	51		46-118
4-Nitrophenol	345	ND	57	17		10-80
2,4-Dinitrotoluene	172	ND	100	58		24-96
Pentachlorophenol	345	ND	242	70		9-103
Pyrene	172	ND	123	72		26-127

Compound	Spike Added (ug/L)	MSD Conc (ug/L)	MSD % Recovery	#	% RPD	#	QC Limits RPD	Recovery
Phenol	345	71	20		36		42	12-110
2-Chlorophenol	345	188	54		27		40	27-123
1,4-Dichlorobenzene	172	89	52		24		28	36-97
N-Nitroso-di-n-propylamine	172	106	62		29		38	41-116
1,2,4-Trichlorobenzene	172	92	53		28		28	39-98
4-Chloro-3-methylphenol	345	226	66		19		42	23-97
Acenaphthene	172	108	63		21		31	46-118
4-Nitrophenol	345	76	22		29		50	10-80
2,4-Dinitrotoluene	172	110	64		10		38	24-96
Pentachlorophenol	345	300	87		21		50	9-103
Pyrene	172	140	81		13		31	26-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = Not Detected

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

[Signature]

QA/QC Officer

Comments: _____

SemiVolatile LCS Recovery

Lab Name: EcoSys, Inc.	Client: ACE SAD
Ledger No(s): 107811	Lab Control Spike: AB35002 LCS
Batch No(s): 062496A	
Lab File ID: BNA0301003	

Compound	Spike Added (ug/L)	Sample Conc (ug/L)	LCS Conc (ug/L)	LCS % Recovery	#	QC Limits Recovery
Phenol	100	NR	25	25		12-110
2-Chlorophenol	100	NR	68	68		27-123
1,4-Dichlorobenzene	50	NR	31	63		36-97
N-Nitroso-di-n-propylamine	50	NR	36	72		41-116
1,2,4-Trichlorobenzene	50	NR	32	64		39-98
4-Chloro-3-methylphenol	100	NR	74	74		23-97
Acenaphthene	50	NR	36	72		46-118
4-Nitrophenol	100	NR	23	23		10-80
2,4-Dinitrotoluene	50	NR	38	76		24-96
Pentachlorophenol	100	NR	87	87		9-103
Pyrene	50	NR	40	80		26-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = Not Detected

NR = Not Required

Spike Recovery: 0 out of 11 outside limits



QA/QC Officer

Comments: _____

SemiVolatile Surrogate Recovery (Water)

Lab Name: EcoSys, Inc.

Client: ACE-SAD

Ledger No(s): 107811

Level: Low

Batch No.(s): 062496A

[illegible]

Column used to flag recovery values

* = Values outside of required QC limits

ND = Not Detected

	QC Limits
S1 (2FP) 2-Fluorophenol	21-110
S2 (PHL) Phenol-d5	10-110
S3 (NBZ) Nitrobenzene-d5	35-114
S4 (FBP) 2-Fluorobiphenyl	43-116
S5 (TBP) 2,4,6-Tribromophenol	10-123
S6 (TPH) Terphenyl-d14	33-141

Robert L...
QA/QC Officer

Comments:

SemiVolatile Surrogate Recovery (Water)

Lab Name: EcoSys, Inc.

Client: ACE-SAD

Ledger No(s): 107811

Level: Low

Batch No.(s): 0627960001

[illegible]

Column used to flag recovery values

* = Values outside of required QC limits

ND = Not Detected.

	QC Limits
S1 (2FP) 2-Fluorophenol	21-110
S2 (PHL) Phenol-d5	10-110
S3 (NBZ) Nitrobenzene-d5	35-114
S4 (FBP) 2-Fluorobiphenyl	43-116
S5 (TBP) 2,4,6-Tribromophenol	10-123
S6 (TPH) Terphenyl-d14	33-141

QA/QC Officer

Comments:

*Surrogates are outside QC limits.

External Standard Report

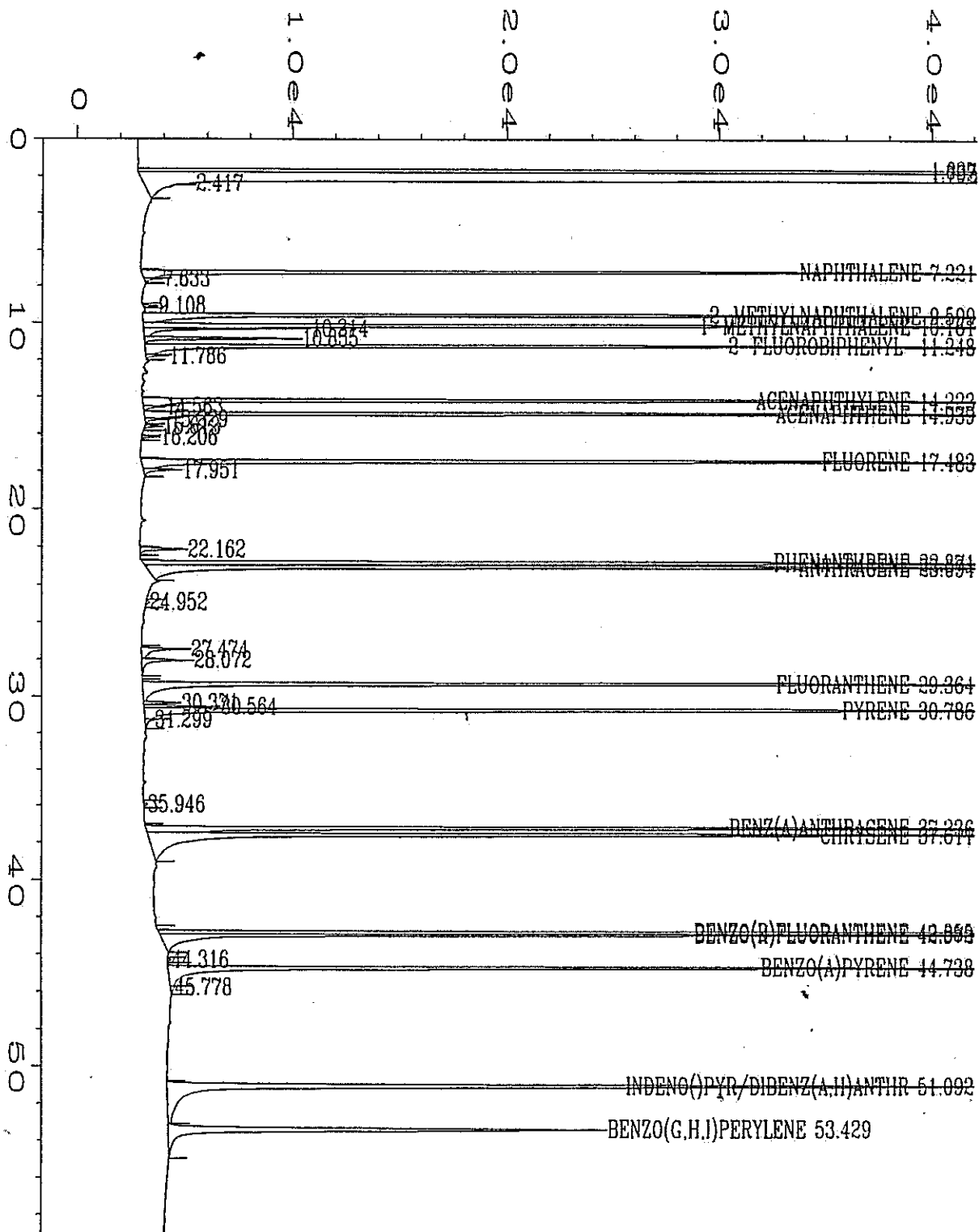
```

Data File Name   : C:\HPCHEM\1\DATA\PA062696\20626R02.D
Operator        : Doug Anderson
Instrument       : GC2
Sample Name     : 200 pah ccv
Run Time Bar Code:
Acquired on    : 26 Jun 96 02:11 PM
Report Created on: 22 Jul 96 03:03 PM
Last Recalib on : 16 MAY 96 02:21 PM
Multiplier     : 1

Page Number      : 1
Vial Number     : 2
Injection Number : 1
Sequence Line   : 1
Instrument Method: P1053096.MTH
Analysis Method  : P2053096.MTH
Sample Amount    : 0
ISTD Amount     :
  
```

Sig. 2 in C:\HPCHEM\1\DATA\PA062696\20626R02.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
7.221	1227789	BV	0.059	1	204.674	NAPHTHALENE
9.599	1071732	BV	0.062	1	205.890	2-METHYLNAPHTHALENE
10.161	1209674	VV	0.061	1	205.573	1-METHYLNAPHTHALENE
11.248	1092609	VV	0.062	1	205.033	2-FLUOROBIPHENYL
14.223	1229758	BV	0.065	1	205.621	ACENAPHTHYLENE
14.939	1210875	VV	0.064	1	207.060	ACENAPHTHENE
17.483	1208203	BV	0.068	1	203.033	FLUORENE
22.871	1146040	BV	0.070	1	195.715	PHENANTHRENE
23.094	1066141	VV	0.074	1	191.505	ANTHRACENE
29.364	1110429	BV	0.076	1	190.754	FLUORANTHENE
30.786	1079407	VV	0.081	1	186.413	PYRENE
37.236	724930	BV	0.082	1	168.806	BENZ (A) ANTHRACENE
37.611	789493	VV	0.083	1	185.489	CHRYSENE
42.855	485904	BV	0.087	1	155.642	BENZO (B) FLUORANTHENE
42.972	528379	VV	0.082	1	164.819	BENZO (K) FLUORANTHENE
44.738	395215	PV	0.101	1	144.634	BENZO (A) PYRENE
51.092	470325	BV	0.168	1	282.315	INDENO () PYR/DIBENZ (A, H) ANTHR
53.429	247417	VB	0.181	1	135.236	BENZO (G, H, I) PERYLENE
1.637	4.67284E+008	BH S	0.079		4.7E+008	* uncalibrated *
1.792	4.64428E+008	HB S	0.095		4.6E+008	* uncalibrated *
2.417	916	BB T	0.031		915.576	* uncalibrated *
7.633	5237	VB	0.085		5237.401	* uncalibrated *
9.108	2849	BB	0.064		2849.205	* uncalibrated *
10.314	51297	VV	0.093		51297.24	* uncalibrated *
10.855	46916	VV	0.101		46915.79	* uncalibrated *
11.786	6196	VV	0.085		6195.790	* uncalibrated *
14.563	7188	VV	0.099		7187.599	* uncalibrated *
15.229	7237	VB	0.090		7237.036	* uncalibrated *
15.613	4269	BB	0.077		4268.900	* uncalibrated *
16.206	3565	BB	0.064		3565.156	* uncalibrated *
17.951	11656	VB	0.094		11655.70	* uncalibrated *
22.162	15537	BB	0.110		15537.03	* uncalibrated *
24.952	1655	BB	0.131		1654.663	* uncalibrated *
27.474	22075	BV	0.133		22074.75	* uncalibrated *
28.072	20483	VB	0.117		20482.94	* uncalibrated *
30.371	9426	VV	0.082		9425.500	* uncalibrated *
30.564	17930	VV	0.079		17930.35	* uncalibrated *
31.299	4578	VB	0.145		4578.474	* uncalibrated *
35.946	1140	BB	0.091		1140.429	* uncalibrated *
44.316	959	BV	0.081		959.219	* uncalibrated *
44.778	2929	VB	0.195		2928.684	* uncalibrated *



Data File Name : C:\HPCHEM\1\DATA\PA062696\20626R02.D

Operator : Doug Anderson

Instrument : GC2

Sample Name : 200 pah ccv

Run Time Bar Code:

Acquired on : 26 Jun 96 02:11 PM

Report Created on: 22 Jul 96 03:03 PM

Last Recalib on : 16 MAY 96 02:21 PM

Multiplier : 1

Page Number : 1

Vial Number : 2

Injection Number : 1

Sequence Line : 1

Instrument Method: P1053096.MTH

Analysis Method : P2053096.MTH

Sample Amount : 0

ISTD Amount :

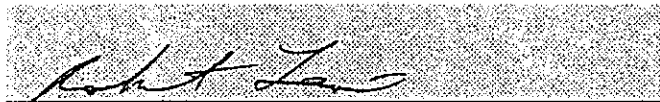
PAH/PNA Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107811	
Batch No: 06269600	Date Analyzed: 6/26/96
Lab File ID: 202626R04	Time Analyzed: 5:34 PM
Lab Sample ID: AB34964	Level: Low
Instrument ID: GC2	Matrix: Soil

This method blank applies to the following samples, LCS, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35121 LCS	20626R05	6/26/96
2	NA	AB35119 MS	20626R07	6/26/96
3	NA	AB35120 MSD	20626R08	6/26/96
4	243-T1-S1	AB34961	20626R09	6/26/96
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NA: Not Applicable



QA/QC Officer

Comments:

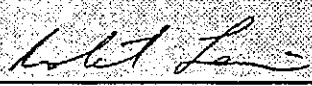
General Chemistry Method Blank Summary

Lab Name: EcoSys, Inc.
Ledger: 107811
Lab Sample ID: AB34964

Client: ACESAD

Client Sample ID: Method Blank

	ANALYTE	BLANK VALUE	MDL mg/Kg	DATE ANALYZED
1	Oil & Grease 413.2	<MDL	5.0	6/25/96
2				
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23				
24				



QA/QC Officer

Comments:

General Chemistry LCS/LCSD Recovery

Lab Name: EcoSys, Inc. Ledger No(s): 107811	Client: ACESAD
--	----------------

LCS

	Spike Added mg/Kg	Sample Conc. mg/Kg	LCS Conc. mg/Kg	LCS % Recovery	QC Limits Required
Oil & Grease	196.5	NR	197.4	100	80-120

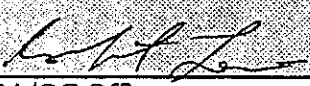
LCSD

	LCSD Conc. mg/Kg	LCSD % Recovery	% RPD	% RPD Limits
Oil & Grease	194.4	99	1.5	20

NR = Not Required

ND = Not Detected

NC = Not Calculable due to value(s) less than CRDL



QA/QC Officer

Comments:

South Atlantic Division Laboratory
U. S. Army Corps of Engineers
611 South Cobb Drive
Marietta, Georgia 30060-3112

District - SAVANNAH

Date Received - 96/06/21

Date Reported - 96/07/09 08:48:04

FT. STEWART ARMY AF

Requisition - PMS-96-109

Work Order - 7996 Job Number - 3959

Lab # Field ID

29329 241-T1-GW

Date Sampled Time Sampled

96/06/19 17:05

Test Performed

Result	Units	Tested By	Test Date
*		ECO	96/06/26
*		ECO	96/06/29

AROMATIC VOLATILE ORGANICS
SEMIVOLATILE ORGANICS GC/MS

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis

Blaise Willis
Chemist

et 1 of 4

Lab # Field ID

0330 TRIP BK #2

Date Sampled Time Sampled

 96/06/19 00:00

Test Performed

AROMATIC VOLATILE ORGANICS

Result	Units	Tested By	Test Date
-----	-----	-----	-----
*		ECO	96/06/26

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis

Blaise Willis
Chemist

Set 2 of 4

Lab # Field ID

331 243-T1-S1

Date Sampled Time Sampled

96/06/20 10:00

Test Performed	Result	Units	Tested By	Test Date
-----	-----	-----	-----	-----
TOTAL SOLIDS, % OF WET	85.60	%	ECO	96/06/26
AROMATIC VOLATILE ORGANICS	*		ECO	96/07/01
PAH'S	*		ECO	96/06/26
OIL AND GREASE (INFRARED)	1000.0	MG/KG	ECO	96/06/25

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis

Blaise Willis
Chemist

Set 3 of 4

Lab # Field ID

332 TRIP BK #3

Date Sampled Time Sampled

96/06/20 00:00

Test Performed

AROMATIC VOLATILE ORGANICS

Result	Units	Tested By	Test Date
-----	-----	-----	-----
*		ECO	96/06/26

*NOTE: See Attached

Sampled by District Personnel

Checked by: PT

Signed by:

Blaise Willis

Blaise Willis
Chemist

et 4 of 4

SOUTH ATLANTIC DIVISION LABORATORY
SAMPLE RECEIVING AND COOLER RECEIPT DATA SHEET
CHEMICAL SECTION - Sample Log-In

DATE: 6/21/96

Number of coolers 2 Returned cooler(s) to: _____

PROJECT: Ft. Stewart W.O.# _____ JOB# 375A

Coolers(s) opened by (print name) Becky Serbin (sign) Becky Serbin

1. Did cooler come with shipping slip? ☒ yes ☐ no
If yes, enter Tracking Number here Grayhound 1511034272
 2. Were custody seals on out side of cooler? ☒ yes ☐ no
How many? 4 Date on seal(s) 6/19/96 Name on seal(s) unknown
 3. Were custody seals unbroken upon receipt? ☒ yes ☒ no
 4. Did you screen sample(s) for "Radioactivity"? ☒ yes ☐ no
 5. Were custody papers filled out properly? (ink, signed, etc.,) ☒ yes ☐ no
 6. Temperature of sample(s) upon receipt: one cooler 20°C / 4°C
 7. Describe cooler packing: ice
 8. Did all sample containers arrive unbroken? ☒ yes ☐ no
 9. Were the sample containers sealed in separate plastic bags? ☒ yes ☐ no
 10. Were labels on containers in good condition and agree with Custody paper? ☒ yes ☐ no
 11. Were correct containers used for the test(s) indicated? ☒ yes ☐ no
 12. Were correct preservatives added to sample(s)? ☒ yes ☐ no ☐ unk
 13. Was a sufficient amount of sample sent for test? ☒ yes ☐ no
 14. Were bubbles absent in Volatile sample(s)? ☐ yes ☒ no ☐ N/A
If no, list field ID# trip blank
 15. Numbers of days from sample date, samples received in Lab 2
 16. Number of Samples: 4 Sample Type: ☒ soil ☒ water ☐ other _____
- SAMPLE ANALYSIS PERFORMED BY: ECOSYS TAT normal

COMMENTS: _____

17. Did you sign custody papers in the appropriate place? ☒ yes ☐ no

LAB NUMBER(S): 29329-32

SIGNATURE: Becky Serbin

CHINESE UNIVERSITY RECORD

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 84

[illegible]

**SPECIALIZED ASSAYS, INC.**

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

ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Sample Location: 29349 #242-T1-S1
FT. STEWART

Lab Number: 96-A038067

Sampler: BOBBI THORN

Date Collected: 6/24/96

Date Received: 6/26/96

Time Collected: 12:05

Time Received: 8:30

Sample type: Soil

Org. Reference Data

Blank 55481SBB
3 Tune, BNA DF0627B
Calibration Check, BNA CC0627B

Percent solids: 87.8

SEMIVOLATILE ORGANICS and PESTICIDE/PCB's

Analyte	Result	Flag	DF	Units	Date	Time	Analyst	Method
Acenaphthene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Acenaphthylene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Anthracene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Benzo(a)anthracene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Benzo(a)pyrene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Benzo(b)fluoranthene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Benzo(g,h,i)perylene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Benzo(k)fluoranthene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Bromophenylphenylether	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Butylbenzylphthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Carbazole	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Chloro-3-methylphenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Chloroaniline	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
bis(2-Chloroethoxy)methane	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
bis(2-Chloroethyl)ether	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
bis(2-Chloroisopropyl)ether	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2-Chloronaphthalene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B

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ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Sample Location: 29349 #242-T1-S1
FT. STEWART

Lab Number: 96-A038067

Sampler: BOBBI THORN

Date Collected: 6/24/96

Date Received: 6/26/96

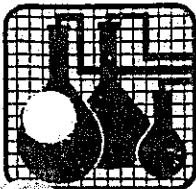
Time Collected: 12:05

Time Received: 8:30

Sample type: Soil

SEMIVOLATILE ORGANICS and PESTICIDE/PCB's

Analyte	Result	Flag	DF	Units	Date	Time	Analyst	Method
2-Chlorophenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Chlorophenylphenylether	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Chrysene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Dibenzofuran	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Dibenz(a,h)anthracene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
1,2-Dichlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
1,3-Dichlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
1,4-Dichlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
3,3'-Dichlorobenzidine	763.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,4-Dichlorophenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Diethylphthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,4-Dimethylphenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Dimethylphthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Di-n-butylphthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4,6-Dinitro-2-methylphenol	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,4-Dinitrophenol	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,4-dinitrotoluene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,6-Dinitrotoluene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Di-n-octylphthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Fluoranthene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Indorene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Hexachlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Hexachlorobutadiene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Hexachlorocyclopentadiene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Hexachloroethane	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B

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ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Sample Location: 29349 #242-T1-S1
FT. STEWART

Lab Number: 96-A038067

Sampler: BOBBI THORN

Date Collected: 6/24/96

Date Received: 6/26/96

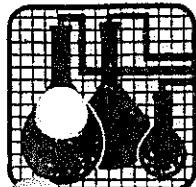
Time Collected: 12:05

Time Received: 8:30

Sample type: Soil

SEMIVOLATILE ORGANICS and PESTICIDE/PCB's

lyte	Result	Flag	DF	Units	Date	Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Isophorone	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2-Methylnaphthalene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2-Methylphenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
m,p-Methylphenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Naphthalene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2-Nitroaniline	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
3-Nitroaniline	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Nitroaniline	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Nitrobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2-Nitrophenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
4-Nitrophenol	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
N-nitrosodi-n-propylamine	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
N-nitrosodiphenylamine	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Pentachlorophenol	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Phenanthrene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Phenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Pyrene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Bis(2-ethylhexyl)phthalate	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
1,4-Trichlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,5-Trichlorophenol	945.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
2,4,6-Trichlorophenol	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
Reaction, BNA,s	Completed			ug/kg	6/27/96	14:36	C. Bardwell	3550

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ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Sample Location: 29349 #242-T1-S1
FT. STEWART

Lab Number: 96-A038067

Sampler: BOBBI THORN

Date Collected: 6/24/96

Date Received: 6/26/96

Time Collected: 12:05

Time Received: 8:30

Sample type: Soil

UNDERGROUND STORAGE TANK RESULTS

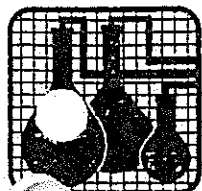
Analyte	Result	Units	PQL	Dil Factor	Date	Time	Analyst	Method
Benzene	< 0.114	mg/kg	0.114	1	6/28/96	2:17	Holingwrth	8020
Toluene	< 0.114	mg/kg	0.114	1	6/28/96	2:17	Holingwrth	8020
Ethylbenzene	< 0.114	mg/kg	0.114	1	6/28/96	2:17	Holingwrth	8020
Xylenes, total	< 0.114	mg/kg	0.114	1	6/28/96	2:17	Holingwrth	8020
Petroleum Hydrocarbons, IR	441.	mg/kg	11.4	1	6/28/96	16:51	M.Himelick	418.1 M

Sample Extraction Data

BNA's Extracted 6/27/96 Wt extracted: 30.0 gm Extract Volume: 1.0 ml

**** QUALITY CONTROL DATA ******Surrogate Recoveries**

Surrogate	% Recovery	Target Range
GRD Surrogate, soil	102.	50 - 150
NA Surrogate, Nitrobenzene	53.0	23 - 120
BNA Surr., 2-Fluorobiphenyl	57.0	30 - 115
BNA Surrogate, Terphenyl d14	81.0	18 - 140



SPECIALIZED ASSAYS, INC.

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ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Lab Number: 96-A038067

Sample ID: 29349 #242-T1-S1

Date Collected: 6/24/96

Project: CALL #252

Time Collected: 12:05

Project Name:

Date Received: 6/26/96

Sampler: BOBBI THORN

Time Received: 8:30

State Certification:

Sample Type: Soil

Site I.D.:

== QUALITY CONTROL DATA ==

Surrogate Recoveries

Surrogate	% Recovery	Target Range
BNA Surrogate, Phenol d5	49.0	10 - 115
BNA Surrogate, 2-Fluorophenol	49.0	20 - 121
BNA Surrogate, 2,4,6-Tribromophenol	90.0	19 - 122

NOTE:

SAMPLE REC'D AT 16 DEG C.

Report Approved By:

Theodore J. Duello

Report Date: 7/ 2/96

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

**SPECIALIZED ASSAYS, INC.**

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Nashville, TN 37204-0566
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ANALYTICAL REPORT

DIRECTOR U.S. ARMY CORPS ENG. 5394
CESAD LABORATORY
611 SOUTH COBB DRIVE
MARIETTA, GA 30060-3172

Sample Location: 29350 TRIP BLANK
FT. STEWART

Lab Number: 96-A038068

Date Collected: 6/24/96

Date Received: 6/26/96

Time Collected:

Time Received: 8:30

Sampler: BOBBI THORN

Sample type: Water

UNDERGROUND STORAGE TANK PARAMETERS

yte	Result	Units	Quan Limit	Dil Factor	Date	Time	Analyst	Method
Benzene	< 0.001	mg/l	0.001	1	6/27/96	23:10	Wasilewski	8020
Toluene	< 0.001	mg/l	0.001	1	6/27/96	23:10	Wasilewski	8020
Ethylbenzene	< 0.001	mg/l	0.001	1	6/27/96	23:10	Wasilewski	8020
Xylenes, total	< 0.001	mg/l	0.001	1	6/27/96	23:10	Wasilewski	8020

**** QUALITY CONTROL DATA ******Surrogate Recoveries**

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	102.	50 - 150

NOTE:

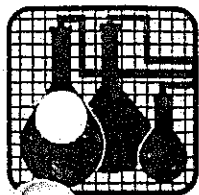
SAMPLE REC'D AT 16 DEG C.

Report Approved By:

Theodore J. Duello

Report Date: 7/ 2/96

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

**SPECIALIZED ASSAYS, INC.**

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PROJECT QUALITY CONTROL DATA

DIRECTOR U.S. ARMY CORPS ENG. 5394

Report Number: 96-A038069

Sample I.D.: METHOD BLANK

Lab Project: 46778

Project: CALL #252

Date Received: 6/26/96

**** UST Spike/Duplicate Results ****

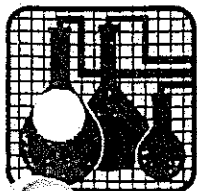
Compound	%Recovery	Target Range	Precision RPD	Target Range
Ene QC	106.	70 - 130	Not Entered	0 - 20
Toluene QC	100.	70 - 130	Not Entered	0 - 20
1 benzene QC	87.	70 - 130	Not Entered	0 - 20
ne QC	87.	70 - 130	Not Entered	0 - 20
TRPH, 418.1	103.	75 - 125	Not Entered	0 - 25.0

**** Organics Spike/Duplicate Results ****

Compound	%Recovery	Target Range	Precision RPD	Target Range
Phenol	85.	26 - 90	7.3	0 - 35
2-Chlorophenol	97.	25 - 102	8.4	0 - 50
1,4-Dichlorobenzene	88.	28 - 104	9.3	0 - 27
Nitroso-di-n-propylamine	96.	41 - 126	12.3	0 - 38
1,2,4-Trichlorobenzene	118.	38 - 107	8.8	0 - 23
4-Chloro-3-methylphenol	112.	26 - 103	9.3	0 - 33
Acenaphthene	114.	31 - 137	7.4	0 - 19
4-Nitrophenol	97.	11 - 114	10.8	0 - 50
2,4-Dinitrotoluene	108.	28 - 100	10.8	0 - 47
Pentachlorophenol	121.	17 - 109	11.3	0 - 47
Pyrene	102.	35 - 142	11.5	0 - 36

**** Semi-Volatile Organics Method Blank Results *****

Compound	Result	Flag	Units	Method
Acenaphthene	330.	U	ug/kg	8270B
Acenaphthylene	330.	U	ug/kg	8270B



SPECIALIZED ASSAYS, INC.

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

PROJECT QUALITY CONTROL DATA

DIRECTOR U.S. ARMY CORPS ENG. 5394

Report Number: 96-A038069

Sample I.D.: METHOD BLANK

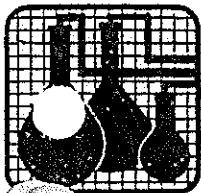
Lab Project: 46778

Project: CALL #252

Date Received: 6/26/96

** Semi-Volatile Organics Method Blank Results ***

Compound	Result	Flag	Units	Method
Anthracene	330.	U	ug/kg	8270B
Benzo(a)anthracene	330.	U	ug/kg	8270B
Benzo(a)pyrene	330.	U	ug/kg	8270B
Benzo(b)fluoranthene	330.	U	ug/kg	8270B
Benzo(g,h,i)perylene	330.	U	ug/kg	8270B
Benzo(k)fluoranthene	330.	U	ug/kg	8270B
Biphenylphenylether	330.	U	ug/kg	8270B
Butylbenzylphthalate	330.	U	ug/kg	8270B
Carbazole	330.	U	ug/kg	8270B
4-Chloro-3-methylphenol	330.	U	ug/kg	8270B
4-Chloroaniline	330.	U	ug/kg	8270B
bis(2-Chloroethoxy)methane	330.	U	ug/kg	8270B
bis(2-Chloroethyl)ether	330.	U	ug/kg	8270B
bis(2-Chloroisopropyl)ether	330.	U	ug/kg	8270B
2-Chloronaphthalene	330.	U	ug/kg	8270B
2-Chlorophenol	330.	U	ug/kg	8270B
4-Chlorophenylphenylether	330.	U	ug/kg	8270B
Chrysene	330.	U	ug/kg	8270B
Dibenzofuran	330.	U	ug/kg	8270B
Dibenz(a,h)anthracene	330.	U	ug/kg	8270B
1,2-Dichlorobenzene	330.	U	ug/kg	8270B
1,3-Dichlorobenzene	330.	U	ug/kg	8270B
1,4-Dichlorobenzene	330.	U	ug/kg	8270B
3,3'-Dichlorobenzidine	670.	U	ug/kg	8270B
2,4-Dichlorophenol	330.	U	ug/kg	8270B
Diethylphthalate	330.	U	ug/kg	8270B
2,4-Dimethylphenol	330.	U	ug/kg	8270B
Dimethylphthalate	330.	U	ug/kg	8270B
Di-n-butylphthalate	330.	U	ug/kg	8270B
4,4'-Dinitro-2-methylphenol	830.	U	ug/kg	8270B
2,4-Dinitrophenol	830.	U	ug/kg	8270B
4-Nitrotoluene	330.	U	ug/kg	8270B
2,6-Dinitrotoluene	330.	U	ug/kg	8270B
Di-n-octylphthalate	330.	U	ug/kg	8270B



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PROJECT QUALITY CONTROL DATA

DIRECTOR U.S. ARMY CORPS ENG. 5394

Report Number: 96-A038069

Sample I.D.: METHOD BLANK

Lab Project: 46778

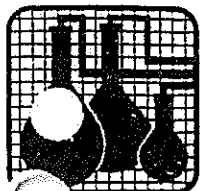
Project: CALL #252

Date Received: 6/26/96

** Semi-Volatile Organics Method Blank Results ***

Compound	Result	Flag	Units	Method
Fluoranthene	330.	U	ug/kg	8270B
Fluorene	330.	U	ug/kg	8270B
Heptachlorobenzene	330.	U	ug/kg	8270B
Heptachlorobutadiene	330.	U	ug/kg	8270B
Hexachlorocyclopentadiene	330.	U	ug/kg	8270B
Perchloroethane	330.	U	ug/kg	8270B
Benzo(1,2,3-cd)pyrene	330.	U	ug/kg	8270B
Isophorone	330.	U	ug/kg	8270B
2-Methylnaphthalene	330.	U	ug/kg	8270B
2-Methylphenol	330.	U	ug/kg	8270B
m,p-Methylphenol	330.	U	ug/kg	8270B
Naphthalene	330.	U	ug/kg	8270B
2-Nitroaniline	830.	U	ug/kg	8270B
3-Nitroaniline	830.	U	ug/kg	8270B
4-Nitroaniline	830.	U	ug/kg	8270B
Nitrobenzene	330.	U	ug/kg	8270B
2-Nitrophenol	330.	U	ug/kg	8270B
4-Nitrophenol	830.	U	ug/kg	8270B
N-nitrosodi-n-propylamine	330.	U	ug/kg	8270B
N-nitrosodiphenylamine	330.	U	ug/kg	8270B
Pentachlorophenol	830.	U	ug/kg	8270B
Phenanthrene	330.	U	ug/kg	8270B
Phenol	330.	U	ug/kg	8270B
Pyrene	330.	U	ug/kg	8270B
Bis(2-ethylhexyl)phthalate	330.	U	ug/kg	8270B
1,2,4-Trichlorobenzene	330.	U	ug/kg	8270B
2,4,5-Trichlorophenol	830.	U	ug/kg	8270B
2,4,6-Trichlorophenol	330.	U	ug/kg	8270B

Theodore J. Dunbar



SPECIALIZED ASSAYS, INC.

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

PROJECT QUALITY CONTROL DATA

DIRECTOR U.S. ARMY CORPS ENG. 5394

Report Number: 96-A038069

Sample I.D.: METHOD BLANK

Lab Project: 46778

Project: CALL #252

Date Received: 6/26/96

** Inorganics Method Blank Results ***

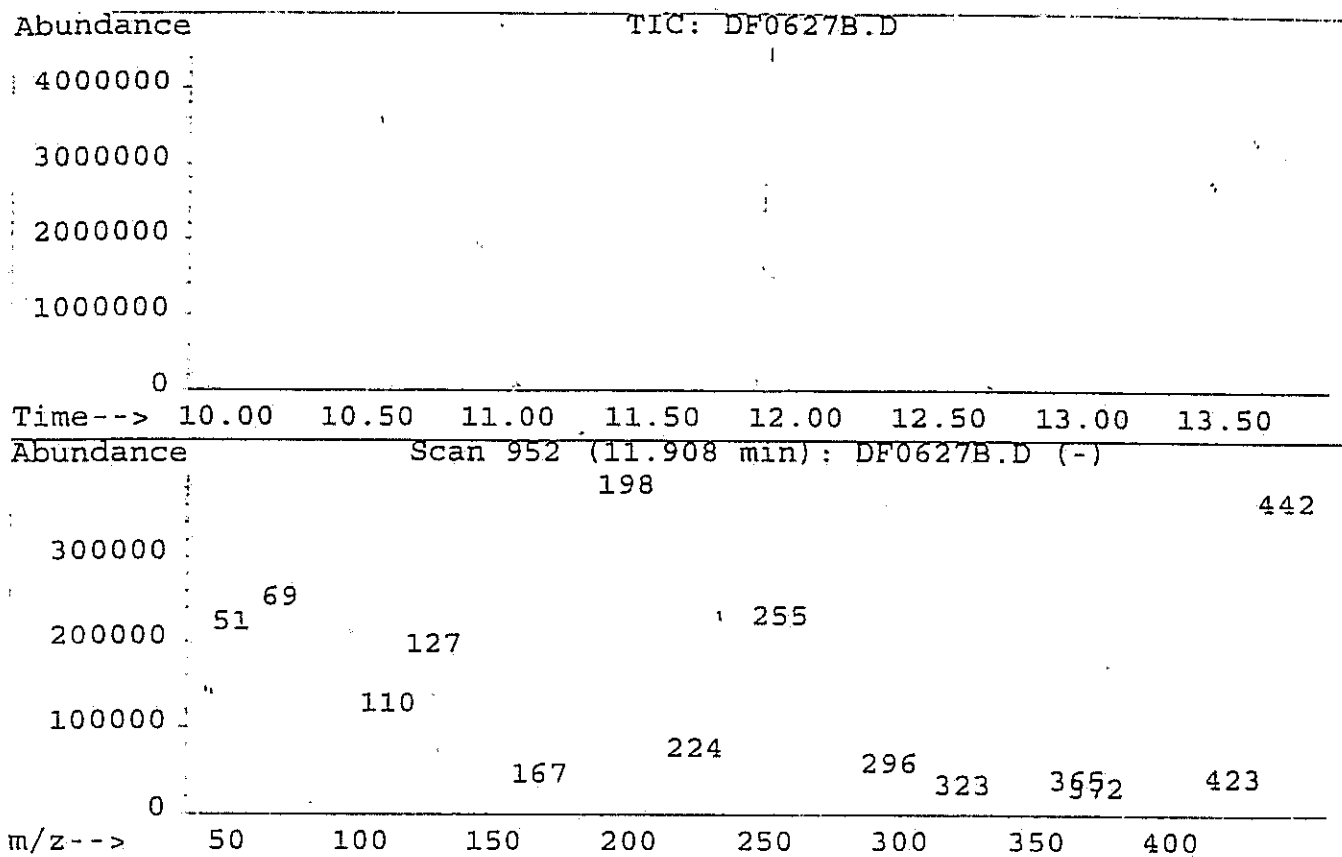
Compound	Result	Flag	Units	Method
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DFTPP

Data File : C:\HPCHEM\1\DATA\DF0627B.D
 Acq On : 28 Jun 96 5:06 am
 Sample : TUNE
 Misc :

Vial: 2
 Operator: HP4
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270.M
 Title : 8270 BNA



Peak Apex is scan: 948

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.6	198720	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	60.2	227776	PASS
70	69	0	2	0.5	1194	PASS
127	198	40	60	45.7	172864	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	378096	PASS
199	198	5	9	7.0	26310	PASS
275	198	10	30	24.9	94054	PASS
365	198	1	100	3.7	13913	PASS
441	443	0	100	88.2	55252	PASS
442	198	40	100	89.8	339410	PASS
443	442	17	23	18.5	62678	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\CC0627B.D

Acq On : 28 Jun 96 5:41 am

Sample : 50 PPM CON CAL

Misc :

Vial: 3

Operator: HP4

Inst : 5972 - In

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270.M

Title : 8270 BNA

Last Update : Tue Jun 25 08:48:22 1996

Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	62	-0.02
2 T	Pyridine	1.440	1.167	19.0	51	-0.02
3 T	N-Nitrosodimethylamine	0.958	0.814	15.1	53	-0.02
4 S	2-Fluorophenol	1.430	1.194	16.5	52	-0.02
5 T	Aniline	1.801	1.489	17.4	52	-0.02
6 T	bis(2-Chloroethyl)ether	1.927	1.443	25.1	46	0.00
7 S	Phenol-d5	1.882	1.622	13.8	54	-0.02
8 MC	Phenol	2.071	1.767	14.7	53	-0.02
9 M	2-Chlorophenol	1.379	1.238	10.2	56	-0.02
10 T	1,3-Dichlorobenzene	1.234	1.264	-2.4	65	-0.02
11 MC	1,4-Dichlorobenzene	1.832	1.680	8.3	56	0.00
12 T	Benzyl Alcohol	1.385	1.373	0.8	62	-0.02
13 T	1,2-Dichlorobenzene	1.451	1.371	5.6	59	-0.02
14 T	bis(2-Chloroisopropyl)ether	0.413	0.357	13.6	54	-0.02
15 T	2-Methylphenol	1.328	1.145	13.8	54	-0.02
16 MP	Hexachloroethane	0.623	0.600	3.7	60	-0.02
17 MP	N-Nitroso-di-n-propylamine	1.243	1.101	11.4	55	0.00
18 T	3&4-Methylphenol	1.738	1.515	12.8	54	-0.02
19 I	Naphthalene-d8	1.000	1.000	0.0	59	-0.02
20 S	Nitrobenzene-d5	0.484	0.481	0.8	60	0.00
21 T	Nitrobenzene	0.442	0.457	-3.3	61	-0.02
22 T	Isophorone	0.814	0.756	7.1	54	-0.02
23 TC	2-Nitrophenol	0.205	0.200	2.4	57	-0.02
24 T	2,4-Dimethylphenol	0.394	0.414	-5.0	61	-0.02
25 T	bis(2-Chloroethoxy)methane	0.464	0.423	8.9	53	0.00
26 TC	2,4-Dichlorophenol	0.304	0.321	-5.5	62	-0.02
27 T	Benzoic Acid	0.223	0.265	-18.6	65	0.00
28 M	1,2,4-Trichlorobenzene	0.309	0.327	-5.9	63	-0.02
29 T	Naphthalene	1.043	1.099	-5.4	61	-0.02
30 T	4-Chloroaniline	0.416	0.398	4.1	56	-0.02
31 TC	Hexachlorobutadiene	0.178	0.191	-7.2	64	-0.02
32 MC	4-Chloro-3-methylphenol	0.324	0.325	-0.5	59	-0.02
33 T	2-Methylnaphthalene	0.645	0.664	-3.0	61	-0.02
34 I	Acenaphthene-d10	1.000	1.000	0.0	59	-0.02
35 TP	Hexachlorocyclopentadiene	0.293	0.147	49.7	29	-0.03
36 TC	2,4,6-Trichlorophenol	0.378	0.410	-8.6	64	-0.02
37 T	2,4,5-Trichlorophenol	0.421	0.444	-5.5	62	-0.02
38 S	2-Fluorobiphenyl	1.481	1.577	-6.5	62	-0.02
39 T	2-Chloronaphthalene	1.121	1.168	-4.2	61	-0.02
40 T	2-Nitroaniline	0.422	0.394	6.7	54	-0.02
41 T	Acenaphthylene	1.893	1.917	-1.3	59	-0.03
42 T	Dimethylphthalate	1.369	1.402	-2.4	60	-0.02
43 T	2,6-Dinitrotoluene	0.337	0.343	-1.8	60	-0.02
44 T	3-Nitroaniline	0.331	0.308	6.9	55	-0.02

45	MC	Acenaphthene	1.130	1.203	-6.4	62	-0.02
46	TP	2,4-Dinitrophenol	0.202	0.193	4.2	53	-0.03
47	T	Dibenzofuran	1.610	1.658	-3.0	60	-0.03
48	M	2,4-Dinitrotoluene	0.441	0.436	1.3	58	-0.02
49	MC	4-Nitrophenol	0.394	0.371	5.8	54	-0.03
50	T	Fluorene	1.350	1.515	-12.2	65	-0.03
51	T	4-Chlorophenyl-phenylether	0.642	0.765	-19.1	70	-0.02
52	T	Diethylphthalate	1.389	1.467	-5.7	62	-0.02
53	F	4-Nitroaniline	0.308	0.288	6.4	55	-0.02
54	T	Azobenzene	1.682	1.670	0.8	60	-0.03
55	I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.03
56	T	4,6-Dinitro-2-methylphenol	0.162	0.146	9.7	51	-0.02
57	TC	N-Nitrosodiphenylamine	0.512	0.521	-1.8	60	-0.03
58	S	2,4,6-Tribromophenol	0.128	0.152	-18.5	69	-0.02
59	T	4-Bromophenyl-phenylether	0.180	0.206	-14.8	68	-0.04
60	T	Hexachlorobenzene	0.232	0.265	-14.6	68	-0.04
61	MC	Pentachlorophenol	0.148	0.160	-7.9	62	-0.04
62	T	Phenanthrene	1.021	1.069	-4.7	61	-0.03
63	T	Anthracene	1.041	1.076	-3.4	61	-0.03
64	T	Carbazole	0.883	0.903	-2.3	61	-0.04
65	T	Di-n-butylphthalate	1.404	1.429	-1.8	60	-0.04
66	TC	Fluoranthene	1.056	1.128	-6.8	63	-0.04
67	I	Chrysene-d12	1.000	1.000	0.0	67	-0.05
68	T	Benzidine	0.432	0.274	36.4	42	-0.05
69	M	Pyrene	1.240	1.161	6.3	63	-0.04
70	S	Terphenyl-d14	0.965	0.952	1.3	67	-0.04
71	T	Butylbenzylphthalate	0.755	0.699	7.4	62	-0.05
72	T	3,3'-Dichlorobenzidine	0.422	0.475	-12.5	78	-0.05
73	F	Benzo[a]anthracene	1.146	1.093	4.6	64	-0.05
74	T	Chrysene	1.119	1.076	3.8	65	-0.04
75	T	bis(2-Ethylhexyl)phthalate	1.109	1.033	6.8	62	-0.05
76	I	Perylene-d12	1.000	1.000	0.0	54	-0.05
77	TC	Di-n-octylphthalate	1.904	2.262	-18.8	64	-0.05
78	T	Benzo[b]fluoranthene	1.275	1.518	-19.1	64	-0.05
79	T	Benzo[k]fluoranthene	1.058	1.091	-3.1	57	-0.05
80	TC	Benzo[a]pyrene	1.083	1.148	-6.0	57	-0.05
81	T	Indeno[1,2,3-cd]pyrene	1.180	0.984	16.6	44	-0.07
82	T	Dibenz[a,h]anthracene	1.161	0.885	23.8	41	-0.08
83	T	Benzo[g,h,i]perylene	1.128	0.704	37.6	34	-0.09

(#) = Out of Range
CC0624.D 8270.M

SPCC's out = 0 CCC's out = 0
Fri Jun 28 08:03:32 1996 HP-4

U.S. Army Corps of Engineers

Work Order #

Job # 3544

Chain of Custody Recd

(PER 1110-1-283)

TOTAL

[Signature]

Proj. No.

Project Name

[Signature]

Sampler 1 (Signature)

46778

Date

Time

Pres.

Site Code/Sample Number

Number of Containers

Remarks
SAD NO.

DATE

6/1/88
6418-12-81

6418-12-81

3

96-A038067

993419

[Signature]

↓

12P EXHIBIT

2

96-A038068

99350

[Signature]

Sampler Relinquished by:	Date/Time	Received by: (sig.)	Date/Time	Hazards Associated with Samples
Relinquished by: (sig.)	Date/Time	Received by: (sig.)	Date/Time	96-A038069
Relinquished by: (sig.)	Date/Time	Received by: (sig.)	Date/Time	Remarks at time of receipt:
Custody Seal No.		Lab case No.		

FM 201 21-R, Oct 90

Printed: CD-IP

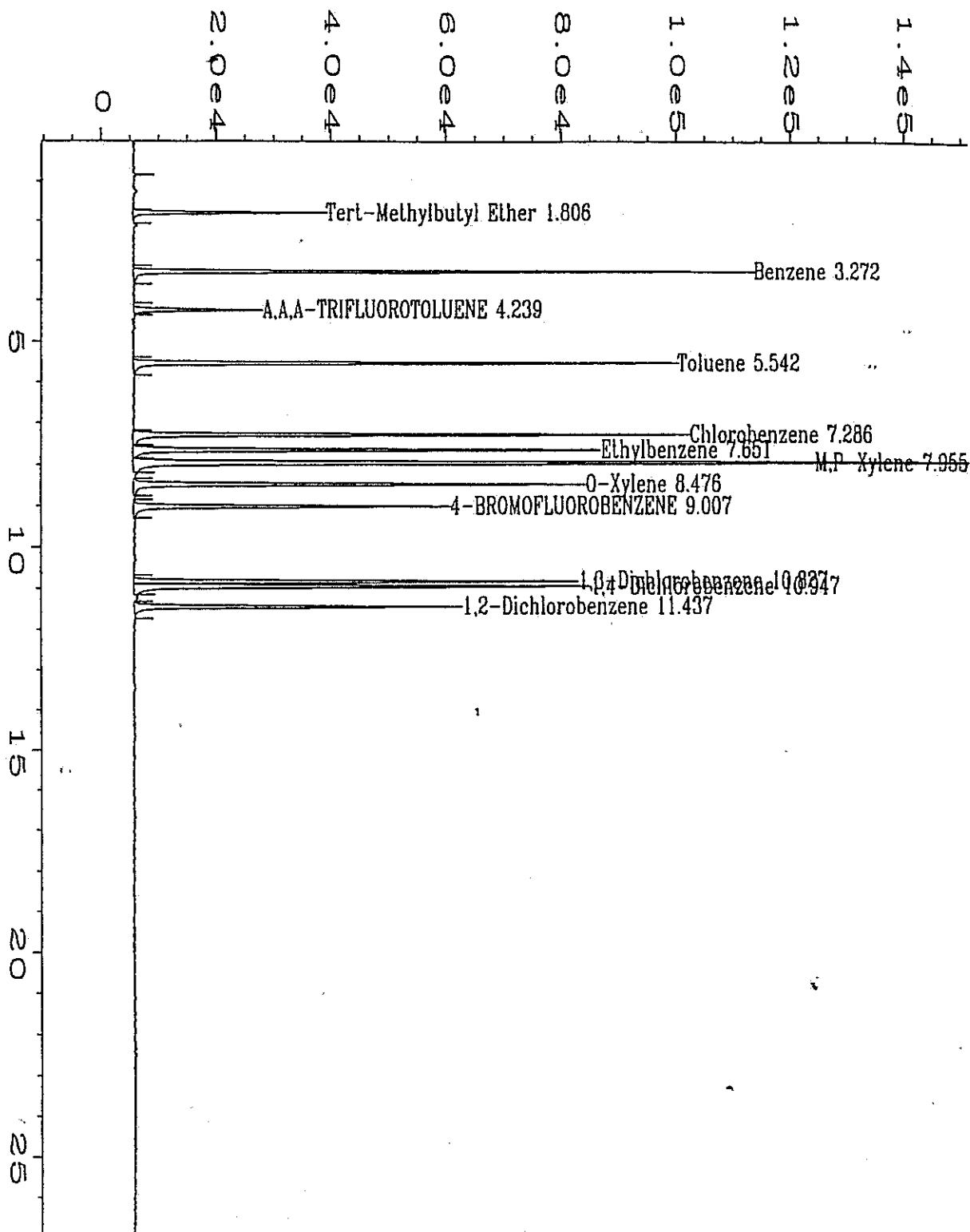
External Standard Report

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Data File Name   : C:\HPCHEM\2\DATA\b070896\60708F02.D
Operator        : Doug Anderson
Instrument       : GC6
Sample Name     : 20ppb 8020 std
Run Time Bar Code:
Acquired on    : 08 Jul 96 03:03 PM
Report Created on: 08 Jul 96 03:30 PM
Last Recalib on : 14 JUN 96 11:11 AM
Multiplier     : 1
Sample Info    : 16ppb surr
Page Number    : 1
Vial Number    : 2
Injection Number : 1
Sequence Line  : 1
Instrument Method: 6B061396.MTH
Analysis Method : 6B061396.MTH
Sample Amount   : 0
ISTD Amount     :
  
```

Sig. 1 in C:\HPCHEM\2\DATA\b070896\60708F02.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
1.806	114206	PV	0.052	1	19.811	Tert-Methylbutyl Ether
3.272	366410	PV	0.053	1	19.176	Benzene
4.239	85603	BV	0.059	1	14.883	A,A,A-TRIFLUOROTOLUENE
5.542	347555	PV	0.057	1	18.977	Toluene
7.286	357102	PV	0.058	1	19.271	Chlorobenzene
7.651	311701	VV	0.060	1	19.373	Ethylbenzene
7.955	725835	VV	0.063	1	38.175	M,P-Xylene
8.476	303114	VV	0.060	1	19.395	O-Xylene
9.007	213150	VV	0.060	1	15.900	4-BROMOFLUOROBENZENE
10.827	291564	BV	0.059	1	18.728	1,3-Dichlorobenzene
11.947	310741	VV	0.060	1	18.776	1,4-Dichlorobenzene
12.437	222554	PV	0.061	1	18.576	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\2\DATA\b070896\60708F02.D	Page Number	: 1
Operator	: Doug Anderson	Vial Number	: 2
Instrument	: GC6	Injection Number	: 1
Sample Name	: 20ppb 8020 std	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	6B061396.MTH
Printed on	: 08 Jul 96 03:03 PM	Analysis Method	: 6B061396.MTH
Report Created on:	08 Jul 96 03:30 PM	Sample Amount	: 0
Last Recalib on	: 14 JUN 96 11:11 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: 16ppb surr		

BTEX Method Blank Summary

Lab Name: EsoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107849	
Batch No: 070896B	Date Analyzed: 7/8/96
Lab File ID: 60708F03	Time Analyzed: 15:36
Lab Sample ID: AB34172	Level: Low
Instrument ID: GC-6	Matrix: Soil

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35516 LCS	60708F04	7/8/96
2	NA	AB35517 MS	60708F05	7/8/96
3	NA	AB35518 MSD	60708F06	7/8/96
4	244-T1-S1	AB35169	60708F07	7/8/96
5	261-T1-S1	AB35170	60708F08	7/8/96
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

NA = Not Applicable



QA/QC Officer

Comments:

Soil BTEX MS/MSD Recovery

Lab Name: EcoSys, Inc.

Client: ACE-SAD

Ledger No: 107489

Matrix Spike/Lab Sample No: AB35169 REF

Batch No: 070896B

AB35517 MS

Lab File ID: 60708F05/60708F06

AB35518 MSD

Compound	Spike Added (ug/Kg)	Sample Conc (ug/Kg)	MS Conc (ug/Kg)	MS % Recovery	#	QC Limits Recovery
Benzene	20	ND	19	94		40-160
Toluene	20	ND	18	89		40-160
Ethylbenzene	20	ND	17	84		40-160
m,p-Xylene	40	ND	33	82		40-160
o-Xylene	20	ND	16	81		40-160

Compound	Spike Added (ug/Kg)	MSD Conc (ug/Kg)	MSD % Recovery	#	% RPD	#	QC Limits RPD	Recovery
Benzene	20	18	91		4		30	40-160
Toluene	20	17	85		5		30	40-160
Ethylbenzene	20	16	78		7		30	40-160
m,p-Xylene	40	30	75		9		30	40-160
o-Xylene	20	15	74		9		30	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = Not Detected

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits



QA/QC Officer

Comments:

BTEX LCS Recoveries (Soil)

Lab Name: EcoSys, Inc.
 Ledger No: 107849
 Batch No: 070896B
 Lab File ID: 60708F04

Client: ACE-SAD
 Laboratory Control Sample No: AB35516
 Level (Low/Med): Low

Compound	Spike Added (ug/Kg)	LCS Conc (ug/Kg)	LCS % Recovery	#	QC Limits Recovery
Benzene	20	21	107		40-160
Toluene	20	21	106		40-160
Ethylbenzene	20	21	107		40-160
m,p-Xylene	40	43	106		40-160
o-Xylene	20	21	107		40-160

* Values outside of OC limits
 ND = Not Detected

Spike Recovery: 0 out of 5 outside limits

QA/QC Officer

Comments: _____

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc.
 Ledger No(s): 107849
 Batch No.: 070896B
 GC Column: DB-VXR

Client: ACE-SAD

Matrix: Soil
Level: Low

[illegible]

Surrogate Recovery Limits: 40-160%

Column to be used to flag recovery values

* Values outside of required QC limits

ND = Not Detected

DO = Diluted Out

QA/QC Officer

Comments:

*Surrogate is outside QC limits. (See Narrative)

External Standard Report

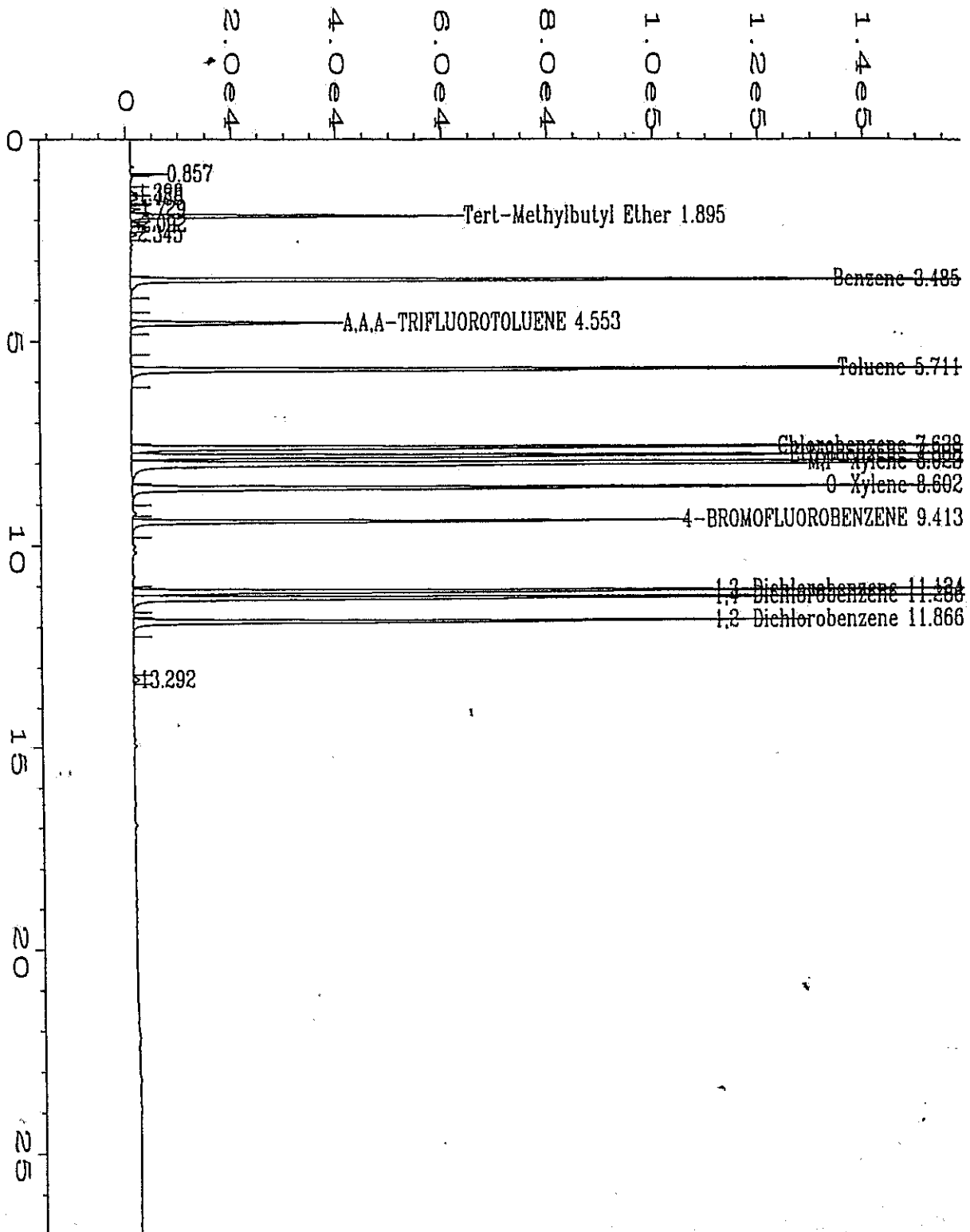
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=====
Data File Name   : C:\HPCHEM\1\DATA\b070996\30709F02.D
Operator        : Doug Anderson
Instrument       : GC3
Sample Name     : 20ppb 8020 std
Run Time Bar Code:
Acquired on    : 09 Jul 96 10:58 AM
Report Created on: 10 Jul 96 07:12 AM
Last Recalib on : 14 JUN 96 10:38 AM
Multiplier    : 1
Sample Info    : 16ppb surr

Page Number     : 1
Vial Number     : 2
Injection Number : 1
Sequence Line   : 1
Instrument Method: 3B061396.MTH
Analysis Method : 3B061396.MTH
Sample Amount   : 0
ISTD Amount     :
  
```

Sig. 1 in C:\HPCHEM\1\DATA\b070996\30709F02.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
1.895	234486	PV	0.058	1	20.198	Tert-Methylbutyl Ether
3.485	743343	BB	0.055	1	18.976	Benzene
4.553	165792	BB	0.064	1	15.010	A,A,A-TRIFLUOROTOLUENE
5.711	699751	BB	0.058	1	18.612	Toluene
7.628	707733	BV	0.057	1	18.769	Chlorobenzene
7.835	631776	VV	0.061	1	18.786	Ethylbenzene
8.023	1459534	VV	0.061	1	37.711	M,P-Xylene
8.602	613656	VB	0.062	1	18.598	O-Xylene
9.413	392047	PV	0.058	1	15.394	4-BROMOFLUOROBENZENE
11.124	635484	BV	0.058	1	18.787	1,3-Dichlorobenzene
.286	640201	VV	0.059	1	18.687	1,4-Dichlorobenzene
.866	487254	BB	0.060	1	20.458	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\b070996\30709F02.D	Page Number	: 1
Operator	: Doug Anderson	Vial Number	: 2
Instrument	: GC3	Injection Number	: 1
Sample Name	: 20ppb 8020 std	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: 3B061396.MTH
Printed on	: 09 Jul 96 10:58 AM	Analysis Method	: 3B061396.MTH
Report Created on	: 10 Jul 96 07:13 AM	Sample Amount	: 0
Last Recalib on	: 14 JUN 96 10:38 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: 16ppb surr		

BTEX Method Blank Summary

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107849	
Batch No: 070996B	Date Analyzed: 7/9/96
Lab File ID: 30709F03	Time Analyzed: 11:31
Lab Sample ID: AB34173	Level: Low
Instrument ID: GC3	Matrix: Water

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35567 LCS	30709F04	7/9/96
2	NA	AB35568 MS	30709F05	7/9/96
3	NA	AB35569 MSD	30709F06	7/9/96
4	TRIP BLANK	AB35171	30709F07	7/9/96
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

NA = Not Applicable



QA/QC Officer

Comments:

Water BTEX MS/MSD Recovery

Lab Name: EcoSys, Inc.

Ledger No: 107849

Batch No: 070996B

Lab File ID: 30709F05/30709F06

Client: ACE-SAD

Matrix Spike/Matrix Dup No.: AB35568 MS

AB35569 MSD

AB34171 REF

Level (Low/Med): Low

Compound	Spike Added (ug/L)	Sample Conc (ug/L)	MS Conc (ug/L)	MS % Recovery	#	QC Limits Recovery
Benzene	20.0	ND	16.2	81		80-120
Toluene	20.0	ND	16.6	83		80-120
Ethylbenzene	20.0	ND	16.2	81		80-120
m,p-Xylene	40.0	ND	33.9	85		80-120
o-Xylene	20.0	ND	20.6	103		80-120

Compound	Spike Added (ug/L)	MSD Conc (ug/L)	MSD % Recovery	#	% RPD	#	QC Limits	
Benzene	20.0	17.5	88		8		30	80-120
Toluene	20.0	17.8	89		7		30	80-120
Ethylbenzene	20.0	17.5	88		8		30	80-120
m,p-Xylene	40.0	36.7	92		8		30	80-120
o-Xylene	20.0	22.3	112		8		30	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = None Detected

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits



QA/QC Officer

Comments:

BTEX LCS Recoveries (Water)

Lab Name: EcoSys, Inc.
 Ledger No: 107849
 Batch No: 070996B
 Lab File ID: 30709F04

Client: ACE-SAD
 Lab Control Spike: AB35567
 Level (Low/Med): Low

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	ECS Conc (ug/L)	ECS % Recovery	#	QC Limits Recovery
Benzene	20	NR	19	97		80-120
Toluene	20	NR	19	95		80-120
Ethylbenzene	20	NR	19	96		80-120
m,p-Xylene	40	NR	39	97		80-120
o-Xylene	20	NR	19	96		80-120

* Values outside of QC limits

ND = Not Detected

NR = Not Required

Spike Recovery: 0 out of 5 outside limits



QA/QC Officer

Comments: _____

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc.
Ledger No(s): 107849
Batch No.: 070996B
GC Column : DB-VXR

Client: ACE-SAD

Matrix: Water
Level: Low

[illegible]

Surrogate Recovery Limits: 80-120%

Column to be used to flag recovery values

* Values outside of required QC limits

ND = Not Detected

DO = Diluted Out

QA/QC Officer

Comments:

Lab Name: EcoSys, Inc.Client: ACE SADLedger No: 107849 +DFTPP Injection Date: 7/8/96Lab File ID: DFTPP070896DFTPP Injection Time: 15:35Instrument ID: MSD-3Batch Number: 0708960001

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.5
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	65.9 (1)
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	46.6
197	Less than 1.0% of mass 198	0.0 (1)
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	1.8
441	Present, but less than mass 443	78.3
442	Greater than 40% of mass 198	59.8
443	17.0 - 23.0% of mass 442	19.7 (2)

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	NA	CCV	BNA0101001	07/08/96	3:56 PM
02	METHOD BLANK	AB35172	BNA0201002	07/08/96	4:52 PM
04	NA	AB35509 LCS	BNA0401004	07/08/96	6:50 PM
06	NA	AB35510 MS	BNA0601006	07/08/96	8:50 PM
07	NA	AB35511 MSD	BNA0701007	07/08/96	9:49 PM
08	244-T1-S1	AB35169	BNA0801008	07/08/96	10:49 PM
09	261-T1-S1	AB35170	BNA0501005	07/08/96	7:49 PM
10					
11					
12					
13					
14					

Comments:


 QA/QC OFFICER

File: /chem/msd3.i/3-070896.b/dftpp070896.d
Date: 08-Jul-1996 15:53

Page 1

EcoSys, Inc.

ata file : /chem/msd3.i/3-070896.b/dftpp070896.d
ab. Id. : DFTPP02
nj Date : 08-JUL-96 15:38 Autotune Date: 07-Jun-96 08:53:1
perator : BINA Inst ID: msd3.i
mp Info : 50ng OF DFT-04-(37)
isc Info : INSTRUMENT TUNE FOR msd3.i
omment :
ethod : /chem/msd3.i/3-070896.b/dftpp288.m
eth Date : 08-Jul-1996 14:25
al Date : Cal File:
ls bottle: 1 QC Sample: DFTPP
il Factor: 1.000 Target Version: Target 2.20
ntegrator: HP RTE Compound Sublist: all.sub
ample Type: WATER

		CONCENTRATIONS			
		ON-COL	FINAL		
(REL RT)	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp		CAS #: 5074-71-5			
7.766(0.000)	198	230570			100.00(Q)
7.766(0.000)	51	120880		0.00- 0.00	52.43
7.766(0.000)	68	0		0.00- 0.00	0.00
7.766(0.000)	69	155138		0.00- 0.00	67.28
7.766(0.000)	70	285		0.00- 0.00	0.18
7.766(0.000)	127	105629		0.00- 0.00	45.81
7.766(0.000)	197	0		0.00- 0.00	0.00
7.766(0.000)	199	14721		0.00- 0.00	6.38
7.766(0.000)	275	48328		0.00- 0.00	20.96
7.766(0.000)	365	4562		0.00- 0.00	1.98
7.766(0.000)	441	21237		0.00- 0.00	77.76
7.766(0.000)	442	139949		0.00- 0.00	60.70
7.766(0.000)	443	27312		0.00- 0.00	19.52

QC Flag Legend

1 - Qualifier signal failed the ratio test.

File: /chem/msd3.i/3-070896.b/dftpp070896.d
Date: 08-Jul-1996 15:53

Page 2

EcoSys, Inc.

TARGET COMPOUNDS

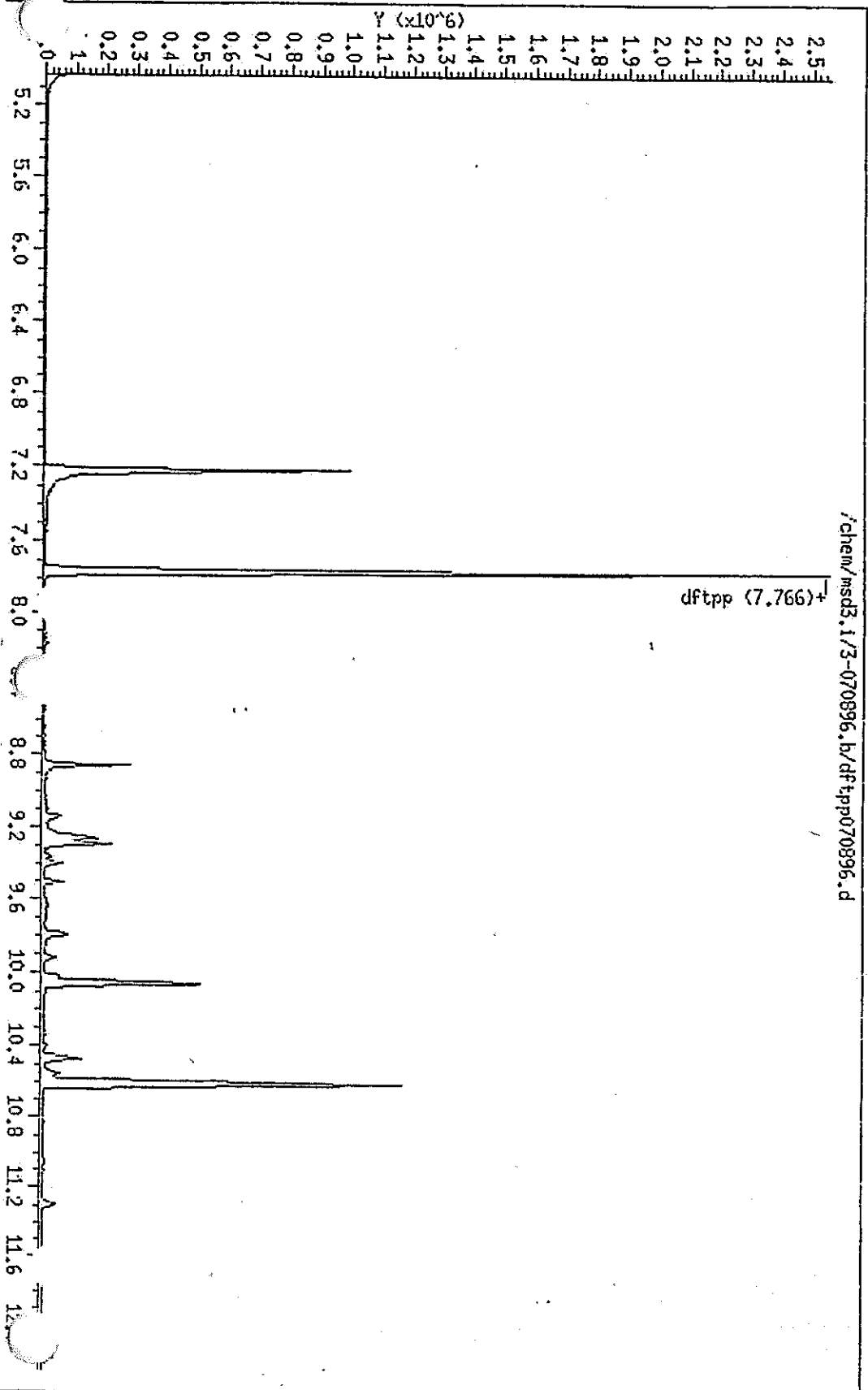
Client Name:	Client SDG: 3-070896.b
Client Sample ID: DFTPP02	Sample Date:
Sample Location:	Sample Point:
Lab Sample ID: DFTPP02	Date Received:
Sample Type: WATER	
Analysis Type: SU	Level: LOW
Data Type: MS DATA	Column Number: 1
Misc Info: INSTRUMENT TUNE FOR msd3.i	

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/KG)	ug/L	
5074-71-5-----dftpp			0.0	
=====	=====	=====	=====	=====

Data File: /chem/msd3.1/3-070896.b/dftpp070896.d
Date: 08-JUL-96 15:33
Instrument: msd3.i
Sample ID: DFTPP02
Column phase:
Volume Injected (uL): 1.0

Column diameter: 2.00

Page 3



Date : 08-JUL-96 15:38

Instrument : msd3.i

Sample ID : DFTPP02

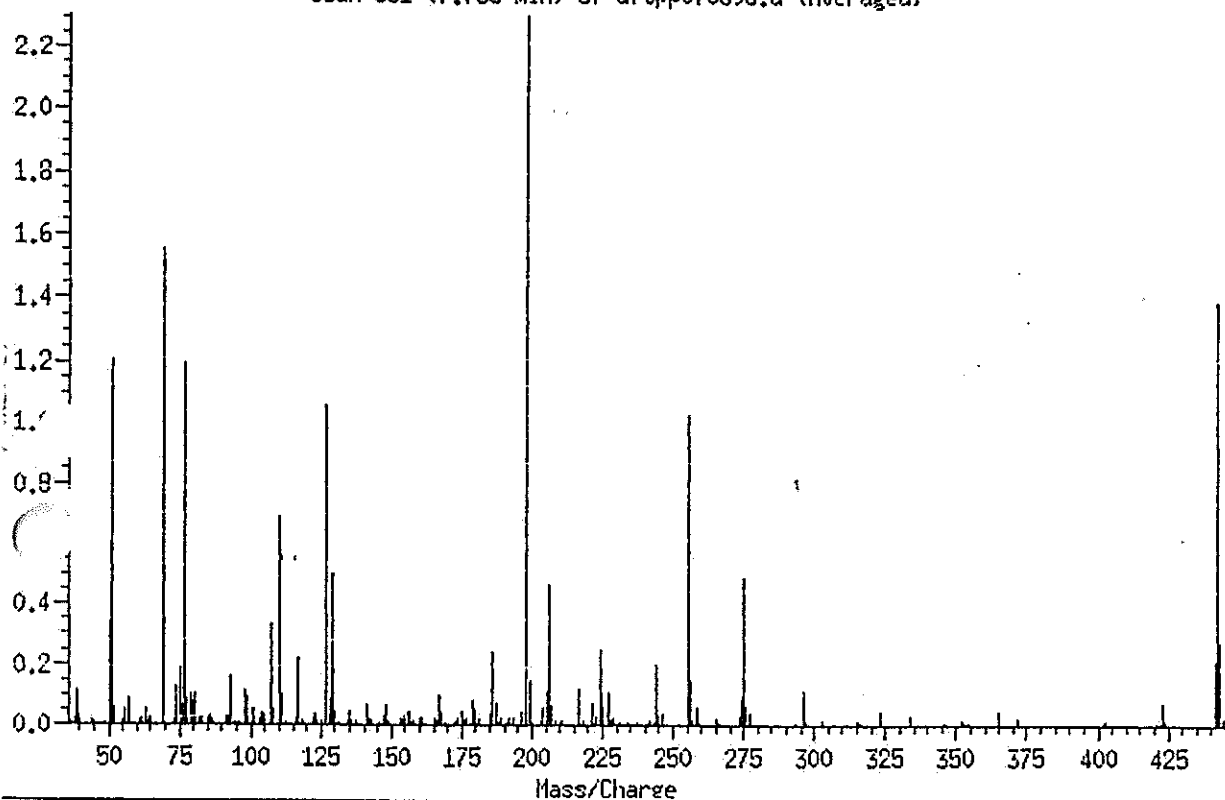
Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp

Scan 381 (7.766 min) of dftpp070896.d (Averaged)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
199	Base Peak, 100% relative abundance	100.0
51	Mass 51 relative abundance	52.4
68	Mass 68 relative abundance	0.0
69	Mass 69 relative abundance	67.3
70	Mass 70 relative abundance	0.2
127	Mass 127 relative abundance	45.8
197	Mass 197 relative abundance	0.0
199	Mass 199 relative abundance	6.4
275	Mass 275 relative abundance	21.0
365	Mass 365 relative abundance	2.0
441	Mass 441 relative abundance	77.8
442	Mass 442 relative abundance	60.7
443	Mass 443 relative abundance	19.5

Date: 08-JUL-96 15:38

Instrument: msd3.i

Sample ID: DFTPP02

Column phase:

Column diameter: 2.00

Volume Injected (uL): 1.0

Spectrum: Scan 381-383 (7.766 min) Subtraction Scan 377

Base Peak: 198.00

Number of mass peaks: 190

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
37.00	361	111.00	9876	176.00	1314	245.00	2918
38.00	1854	112.00	766	177.00	1946	246.00	3547
39.00	11368	116.00	1998	178.00	573	247.00	280
45.00	563	117.00	21915	179.00	8096	249.00	328
49.00	469	118.00	1633	180.00	5030	255.00	102633
50.00	33735	122.00	2124	181.00	2259	256.00	14573
51.00	120880	123.00	3499	182.00	249	257.00	1134
52.00	5834	124.00	1567	184.00	318	258.00	5447
55.00	1066	125.00	1352	185.00	3525	259.00	615
56.00	4700	127.00	105629	186.00	24189	265.00	2305
57.00	8752	128.00	8792	187.00	6797	273.00	3130
61.00	1577	129.00	50048	188.00	611	274.00	8168
62.00	1899	130.00	4102	189.00	1853	275.00	48328
63.00	4967	131.00	400	191.00	543	276.00	6142
64.00	565	134.00	1409	192.00	2167	277.00	3185
65.00	2301	135.00	3994	193.00	2258	278.00	280
69.00	155138	136.00	1167	196.00	4499	285.00	288
70.00	285	137.00	1661	198.00	230570	293.00	616
73.00	418	140.00	281	199.00	14721	296.00	11611
74.00	12359	141.00	6132	200.00	1024	297.00	1641
75.00	18706	142.00	2032	201.00	318	303.00	1391
76.00	6477	143.00	1348	203.00	1329	314.00	321
77.00	118997	145.00	269	204.00	5678	315.00	1300
78.00	8340	146.00	729	205.00	11180	316.00	553
79.00	9952	147.00	2966	206.00	46314	323.00	3895
80.00	7358	148.00	6304	207.00	6575	324.00	338
81.00	9551	149.00	1263	208.00	1500	327.00	349
82.00	2362	151.00	247	210.00	557	334.00	2714
83.00	2308	153.00	1829	211.00	1610	335.00	286
85.00	1797	154.00	1466	215.00	235	346.00	590
86.00	2820	155.00	2981	217.00	12014	352.00	1113
87.00	1693	156.00	3971	218.00	1481	353.00	613
88.00	258	157.00	692	221.00	6908	354.00	1056
91.00	2480	158.00	1103	222.00	965	365.00	4562
92.00	2526	159.00	350	223.00	2699	372.00	1981

Date : 08-JUL-96 15:38

Instrument : msd3.i

Sample ID : DFTPP02

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

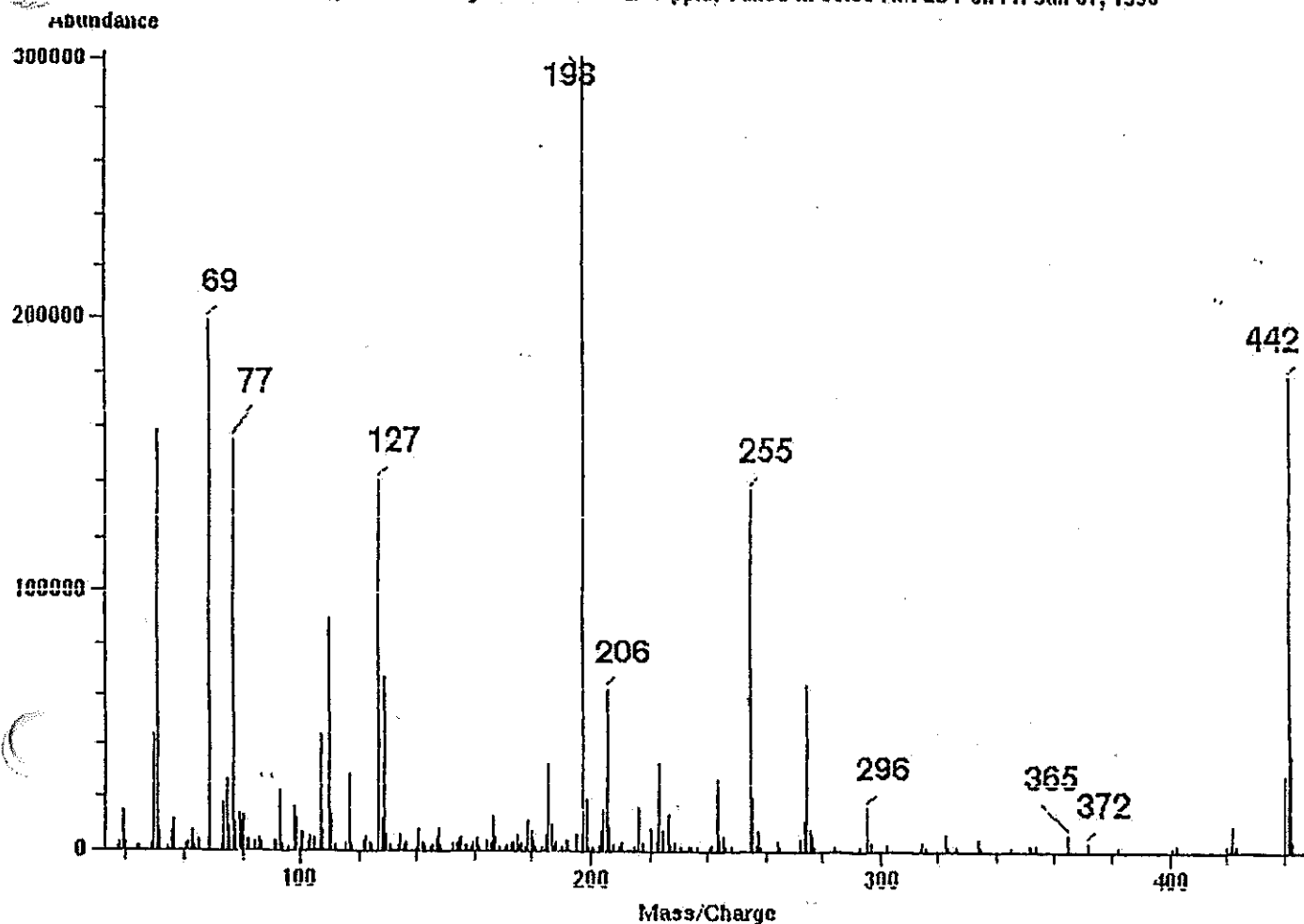
Spectrum: Scan 381-383 (7.766 min) Subtraction Scan 377

Base Peak: 198.00

Number of mass peaks: 190

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
93.00	16166	160.00	1971	224.00	24504	383.00	252
94.00	937	161.00	2446	225.00	5620	402.00	543
96.00	632	162.00	344	227.00	10370	403.00	1115
98.00	11349	165.00	2310	228.00	1676	421.00	717
99.00	8904	166.00	1743	229.00	2055	422.00	654
100.00	698	167.00	9754	231.00	588	423.00	7368
101.00	4694	168.00	3994	234.00	513	424.00	1307
103.00	1790	169.00	568	235.00	315	441.00	21237
104.00	3239	171.00	280	237.00	796	442.00	139949
105.00	3086	172.00	934	241.00	525	443.00	27312
107.00	32933	173.00	1392	242.00	1232	444.00	2269
108.00	5192	174.00	2148	243.00	358		
110.00	68920	175.00	3919	244.00	19856		

Scan 382 (7.766 min) of dftpp070896.d
msd3 (ms5971-2); /chem/config/dvc/ms5971-2/dftpp.u; Tuned at 08:53 AM EDT on Fri Jun 07, 1996



Mass	Ion abundance criteria	%relative abundance
51	30.0 - 60.0% of mass 198	52.5
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance is	65.9
70	Less than 2.0% of mass 69	0.0
127	40.0 to 60.0% of mass 198	46.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	1.8
441	Present, but less than mass 443	78.3
442	Greater than 40.0% of mass 198	59.8
443	17.0 - 23.0% of mass 442	19.7

Data File: /chem/msd3.i/3-070896.b/BNA0101001.d
Print Date: 10-Jul-1996 06:48

Page 1

EcoSys, Inc.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/msd3.i/3-070896.b/BNA0101001.d

Lab. Id. :

Inj Date : 08-JUL-1996 15:56

Autotune Date: 07-Jun-96 08:53:1

Operator : BINA SHAH

Inst ID: msd3.i

Smp Info : BNA-80-38

Disc Info : CONT CAL 80UG/ML

Comment :

Method : /chem/msd3.i/3-070896.b/MA-BNA_2.m

Method Date : 09-Jul-1996 12:03 target

Cal Date : 08-JUL-96 15:56

Cal File: BNA0101001.d

Wls bottle: 1

Continuing Calibration Sample

Dil Factor: 1.000

Target Version: Target 2.20

Integrator: HP RTE

Compound Sublist: all.sub

Sample Type: WATER

Index	Name	QUANT SIG	RT (REL RT)	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (ug/L)
1	2-Fluorophenol	112.00	9.554(0.730)	1288544	85.4	85.4
2	Phenol-d5	99.00	12.598(0.962)	1974177	88.9	88.9
3	Aniline	93.00	12.282(0.938)	2056990	89.0	89.0(H)
4	Phenol **	94.00	12.628(0.964)	1880620	81.9	81.9
5	Bis(2-chloroethyl) ether	93.00	12.509(0.955)	1888743	86.3	86.3(H)
6	2-Chlorophenol	128.00	12.658(0.967)	1247967	77.1	77.1
7	1,3-Dichlorobenzene	146.00	12.915(0.986)	1500135	72.6	72.6
8	1,4-Dichlorobenzene-d4	152.00	13.093(1.000)	519526	40.0	
9	1,4-Dichlorobenzene **	146.00	13.143(1.004)	1503679	71.4	71.4
10	1,2-Dichlorobenzene	146.00	13.537(1.034)	1486993	73.8	73.8
11	Benzyl alcohol	79.00	13.705(1.047)	1287566	66.0	66.0
12	2-Methylphenol	108.00	14.160(1.081)	1256566	82.8	82.8
13	Bis(2-chloroisopropyl) ether	45.00	13.982(1.068)	2540508	98.4	98.4
14	4-Methylphenol	108.00	14.595(1.115)	1281292	82.3	82.3
15	N-Nitrosodi-n-propylamine *	70.00	14.387(1.099)	1268260	76.6	76.6(MH)
16	Hexachloroethane	117.00	14.417(1.101)	618138	68.1	68.1
17	Nitrobenzene-d5	82.00	14.654(0.889)	2003577	76.6	76.6
18	Nitrobenzene	77.00	14.714(0.892)	1892916	77.7	77.7(H)
19	Isophorone	82.00	15.404(0.934)	3639536	74.2	74.2(H)
20	2-Nitrophenol **	139.00	15.553(0.943)	1031769	90.6	90.6
21	1,3-Dimethylphenol	107.00	15.898(0.964)	1539581	74.9	74.9
22	Bis(2-Chloroethoxy)methane	93.00	16.027(0.972)	2061380	78.5	78.5
23	2,4-Dichlorophenol **	162.00	16.313(0.989)	1133960	73.6	73.6
24	oxoic acid	105.00	16.581(0.000)	655502	52.7	52.7(MH)
25	1,2,4-Trichlorobenzene	180.00	16.363(0.992)	1174851	66.2	66.2
26	Naphthalene-d8	136.00	16.492(1.000)	1806193	40.0	
27	Naphthalene	128.00	16.562(1.004)	3491977	71.0	71.0
28	4-Chloroaniline	127.00	16.819(1.023)	1380435	67.7	67.7(H)
29	Hexachlorobutadiene **	225.00	16.909(1.025)	685436	62.6	62.6
30	4-Chloro-3-methylphenol **	107.00	18.270(1.108)	1384299	75.9	75.9

039

Compounds	QUANT SIG MASS	RT (REL RT)	RESPONSE	CONCENTRATIONS	
				ON-COLUMN (ng/ul)	FINAL (ug/L)
32 Hexachlorocyclopentadiene *	237.00	18.774(0.891)	488210	56.5	56.5(H)
33 2,4,6-Trichlorophenol **	196.00	19.219(0.912)	628025	69.6	69.6
34 2,4,5-Trichlorophenol	196.00	19.378(0.920)	693059	66.1	66.1
35 2-Fluorobiphenyl	172.00	19.387(0.920)	2625090	71.7	71.7
36 2-Chloronaphthalene	162.00	19.645(0.932)	2363824	74.5	74.5
37 2-Nitroaniline	65.00	20.031(0.951)	1069361	86.5	86.5
38 Dimethyl phthalate	163.00	20.514(0.974)	2987589	74.6	74.6
39 2,6-Dinitrotoluene	165.00	20.663(0.981)	707468	78.1	78.1
40 Acenaphthylene	152.00	20.713(0.983)	3501708	77.2	77.2
41 3-Nitroaniline	138.00	21.118(1.002)	540701	65.7	65.7
42 Acenaphthene-d10	164.00	21.068(1.000)	1076415	40.0	
43 Acenaphthene **	153.00	21.168(1.005)	2334245	73.7	73.7
44 2,4-Dinitrophenol *	184.00	21.366(1.014)	290236	73.2	73.2
45 4-Nitrophenol *	65.00	21.871(1.038)	533933	61.8	61.8
46 2,4-Dinitrotoluene	165.00	21.693(1.030)	989380	83.9	83.9
47 benzofuran	168.00	21.623(1.026)	2986195	71.7	71.7
48 diethyl phthalate	149.00	22.356(1.061)	3079839	73.4	73.4
49 Chlorophenyl phenyl ether	204.00	22.554(1.071)	1045526	64.6	64.6
orene	166.00	22.514(1.069)	2338053	69.2	69.2
51 4-Nitroaniline	138.00	22.732(1.079)	322623	64.7	64.7(H)
52 4,6-Dinitro-2-methylphenol	198.00	22.752(0.913)	445799	73.7	73.7
53 N-Nitrosodiphenylamine **	169.00	22.911(0.919)	1085816	101	101
54 1,2-Diphenylhydrazine	77.00	22.991(0.923)	7149153	82.5	82.5(A)
55 2,4,6-Tribromophenol	330.00	23.169(1.100)	436379	65.0	65.0
56 4-Bromophenyl phenyl ether	248.00	23.812(0.956)	689027	71.8	71.8
57 Hexachlorobenzene	283.70	23.911(0.960)	819370	68.8	68.8
58 Pentachlorophenol **	265.70	24.514(0.984)	367493	57.1	57.1(H)
59 Phenanthrene-d10	188.00	24.920(1.000)	1420019	40.0	
60 Phenanthrene	178.00	24.990(1.003)	3198091	79.0	79.0(H)
61 Anthracene	178.00	25.129(1.008)	3165402	81.9	81.9
62 Carbazole	167.00	25.593(1.027)	1057743	104	104(AH)
63 Di-n-butyl phthalate	149.00	26.562(1.066)	5194629	79.7	79.7
64 Fluoranthene **	202.00	28.064(1.126)	3260023	75.4	75.4
65 Pyrene	202.00	28.648(0.901)	3344271	78.6	78.6
66 Terphenyl-d14	244.00	29.102(0.916)	2298473	81.2	81.2
67 Butyl benzyl phthalate	149.00	30.415(0.957)	2364863	90.0	90.0
68 Dioctyl adipate	129.00	30.652(0.965)	1673703	89.4	89.4(A)
69 3,3'-Dichlorobenzidine	252.00	31.738(0.999)	580471	124	124
70 Bis(2-ethylhexyl) phthalate	149.00	31.908(1.004)	3241194	89.0	89.0
71 Benzo(a)anthracene	228.00	31.748(0.999)	2836050	80.4	80.4(H)
72 ycene-d12	240.00	31.778(1.000)	1159388	40.0	
73 Chrysene	228.00	31.858(1.003)	2483501	82.0	82.0
74 n-octyl phthalate **	149.00	33.517(0.941)	5845888	97.4	97.4
75 benzo(b)fluoranthene	252.00	34.495(0.968)	2811360	82.3	82.3(H)
76 benzo(k)fluoranthene	252.00	34.595(0.971)	2390903	81.5	81.5
77 Benzo(a)pyrene **	252.00	35.474(0.996)	2343862	82.0	82.0
78 Perylene-d12	264.00	35.633(1.000)	901663	40.0	
79 Indeno(1,2,3-cd)pyrene	276.00	39.812(1.117)	1982087	73.4	73.4(MH)
80 Dibenz(a,h)anthracene	278.00	39.952(1.121)	1889888	77.4	77.4(H)
81 Benzo(g,h,i)perylene	276.00	41.117(1.154)	1821158	69.6	69.6(H)

File: /chem/msd3.i/3-070896.b/BNA0101001.d
Date: 10-Jul-1996 06:48

Page 3

: Flag Legend

- Target compound detected but, quantitated amount exceeded maximum amount.
- Compound response manually integrated.
- Operator selected an alternate compound hit.

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i Injection Date: 08-JUL-1996 15:56
 File ID: BNA0101001.d Init. Calibration Date(s): 03/10/93 06/14/96
 Analysis Type: WATER Init. Calibration Times: 11:35 12:12
 Sample ID: Method File: /chem/msd3.i/3-070896.b/MA-BNA_2.m

COMPOUND	RRF	RF80	MIN	MAX
12-Fluorophenol	1.161	1.240	0.050	6.8
1Phenol-d5	1.709	1.900	0.050	11.2
1Aniline	1.779	1.980	0.050	11.3
1Phenol **	1.767	1.810	0.050	2.4
1Bis(2-chloroethyl) ether	1.686	1.818	0.050	7.8
12-Chlorophenol	1.245	1.201	0.050	3.6
1,3-Dichlorobenzene	1.592	1.444	0.050	9.3
,4-Dichlorobenzene **	1.622	1.447	0.050	10.8
1,2-Dichlorobenzene	1.552	1.431	0.050	7.8
1Benzyl alcohol	1.503	1.239	0.050	17.5
-Methylphenol	1.169	1.209	0.050	3.5
1bis(2-chloroisopropyl) ether	1.987	2.445	0.050	23.1
14-Methylphenol	1.199	1.233	0.050	2.8
1N-Nitrosodi-n-propylamine *	1.274	1.221	0.050	4.2
1Hexachloroethane	0.698	0.595	0.050	14.8
1Nitrobenzene-d5	0.579	0.555	0.050	4.3
1Nitrobenzene	0.539	0.524	0.050	2.8
1Isophorone	1.086	1.008	0.050	7.2
12-Nitrophenol **	0.252	0.286	0.050	13.2
12,4-Dimethylphenol	0.455	0.426	0.050	6.4
1Bis(2-Chloroethoxy)methane	0.581	0.571	0.050	1.9
12,4-Dichlorophenol **	0.341	0.314	0.050	8.0
1Benzoic acid	0.276	0.181	0.010	34.2
1,2,4-Trichlorobenzene	0.393	0.325	0.050	17.2
1Naphthalene	1.089	0.967	0.050	11.2
14-Chloroaniline	0.452	0.382	0.050	15.4
1Hexachlorobutadiene **	0.242	0.190	0.050	21.7
14-Chloro-3-methylphenol **	0.404	0.383	0.050	5.1
12-Methylnaphthalene	0.699	0.661	0.050	5.5
1Hexachlorocyclopentadiene *	0.321	0.227	0.050	29.4
12,4,6-Trichlorophenol **	0.336	0.292	0.050	13.1
12,4,5-Trichlorophenol	0.390	0.322	0.050	17.4
-Fluorobiphenyl	1.361	1.219	0.050	10.4
12-Chloronaphthalene	1.179	1.098	0.050	6.9
12-Nitroaniline	0.459	0.497	0.050	8.1
1dimethyl phthalate	1.488	1.388	0.050	6.8
12,6-Dinitrotoluene	0.337	0.329	0.050	2.4
1Acenaphthylene	1.685	1.627	0.050	3.5
13-Nitroaniline	0.306	0.251	0.050	17.8
1Acenaphthene **	1.177	1.084	0.050	7.9
12,4-Dinitrophenol *	0.147	0.135	0.050	8.5
14-Nitrophenol *	0.321	0.249	0.050	22.7

ata File: /chem/msd3.i/3-070896.b/BNA0101001.d
 e Date: 10-Jul-1996 06:48

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EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i Injection Date: 08-JUL-1996 15:56
 Lab File ID: BNA0101001.d Init. Calibration Date(s): 03/10/93 06/14/96
 Analysis Type: WATER Init. Calibration Times: 11:35 12:12
 Lab Sample ID: Method File: /chem/msd3.i/3-070896.b/MA-BNA_2.m

COMPOUND	RRF	RF80	MIN	MAX
=====	=====	=====	=====	=====
14-Chlorophenyl phenyl ether	0.601	0.486	0.050	19.2
Fluorene	1.255	1.086	0.050	13.5
14-Nitroaniline	0.185	0.150	0.050	19.1
14,6-Dinitro-2-methylphenol	0.170	0.157	0.050	7.9
1N-Nitrosodiphenylamine **	0.304	0.382	0.050	25.9
1,2-Diphenylhydrazine	2.440	2.517	0.050	3.1
12,4,6-Tribromophenol	0.250	0.203	0.050	18.8
1-Bromophenyl phenyl ether	0.270	0.243	0.050	10.3
Hexachlorobenzene	0.335	0.289	0.050	14.0
Pentachlorophenol **	0.181	0.129	0.050	28.7
Phenanthrene	1.140	1.126	0.050	1.2
Anthracene	1.089	1.115	0.050	2.4
Carbazole	0.286	0.372	0.050	30.1
Di-n-butyl phthalate	1.836	1.829	0.050	0.4
Fluoranthene **	1.219	1.148	0.050	5.8
Pyrene	1.468	1.442	0.050	1.8
Terphenyl-d14	0.977	0.991	0.050	1.5
Butyl benzyl phthalate	0.906	1.020	0.050	12.5
Dioctyl adipate	0.645	0.722	0.050	11.8
13,3'-Dichlorobenzidine	0.162	0.250	0.050	54.7
Bis(2-ethylhexyl) phthalate	1.256	1.398	0.050	11.3
Benz(a)anthracene	1.217	1.223	0.050	0.5
Chrysene	1.046	1.071	0.050	2.4
Di-n-octyl phthalate **	2.664	3.242	0.050	21.7
Benzo(b)fluoranthene	1.515	1.559	0.050	2.9
Benzo(k)fluoranthene	1.301	1.326	0.050	1.9
Benzo(a)pyrene **	1.267	1.300	0.050	2.6
Indeno(1,2,3-cd)pyrene	1.198	1.099	0.050	8.3
Dibenz(a,h)anthracene	1.084	1.048	0.050	3.3
Benzo(g,h,i)perylene	1.161	1.010	0.050	13.0

EcoSys, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

strument ID: msd3.i Calibration Date: 07/08/96
 b File ID: BNA0101001.d Calibration Time: 1650
 b Sample ID: Sample Type: WATER
 alysis Type: SU Level: LOW
 thod File: /chem/msd3.i/3-070896.b/MA-BNA_2.m
 sc Info: CONT CAL 80UG/ML

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	% DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenzene-	519526	259763	1039052	519526	0.00
26 Naphthalene-d8	1806193	903096	3612386	1806193	0.00
42 Acenaphthene-d10	1076415	538207	2152830	1076415	0.00
59 Phenanthrene-d10	1420019	710009	2840038	1420019	0.00
72 Chrysene-d12	1159388	579694	2318776	1159388	0.00
78 Perylene-d12	901663	450831	1803326	901663	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	% DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenzene-	13.09	12.59	13.59	13.09	0.00
26 Naphthalene-d8	16.49	15.99	16.99	16.49	0.00
42 Acenaphthene-d10	21.07	20.57	21.57	21.07	0.00
59 Phenanthrene-d10	24.92	24.42	25.42	24.92	0.00
72 Chrysene-d12	31.78	31.28	32.28	31.78	0.00
78 Perylene-d12	35.63	35.13	36.13	35.63	0.00

REA UPPER LIMIT = +100% of internal standard area.
 REA LOWER LIMIT = - 50% of internal standard area.
 T UPPER LIMIT = + 0.50 minutes of internal standard RT.
 T LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data file: /chem/msd3.i/3-070896.b/ENH0101001.d

Date: 08-JUL-1996 15:56

Instrument: msd3.1

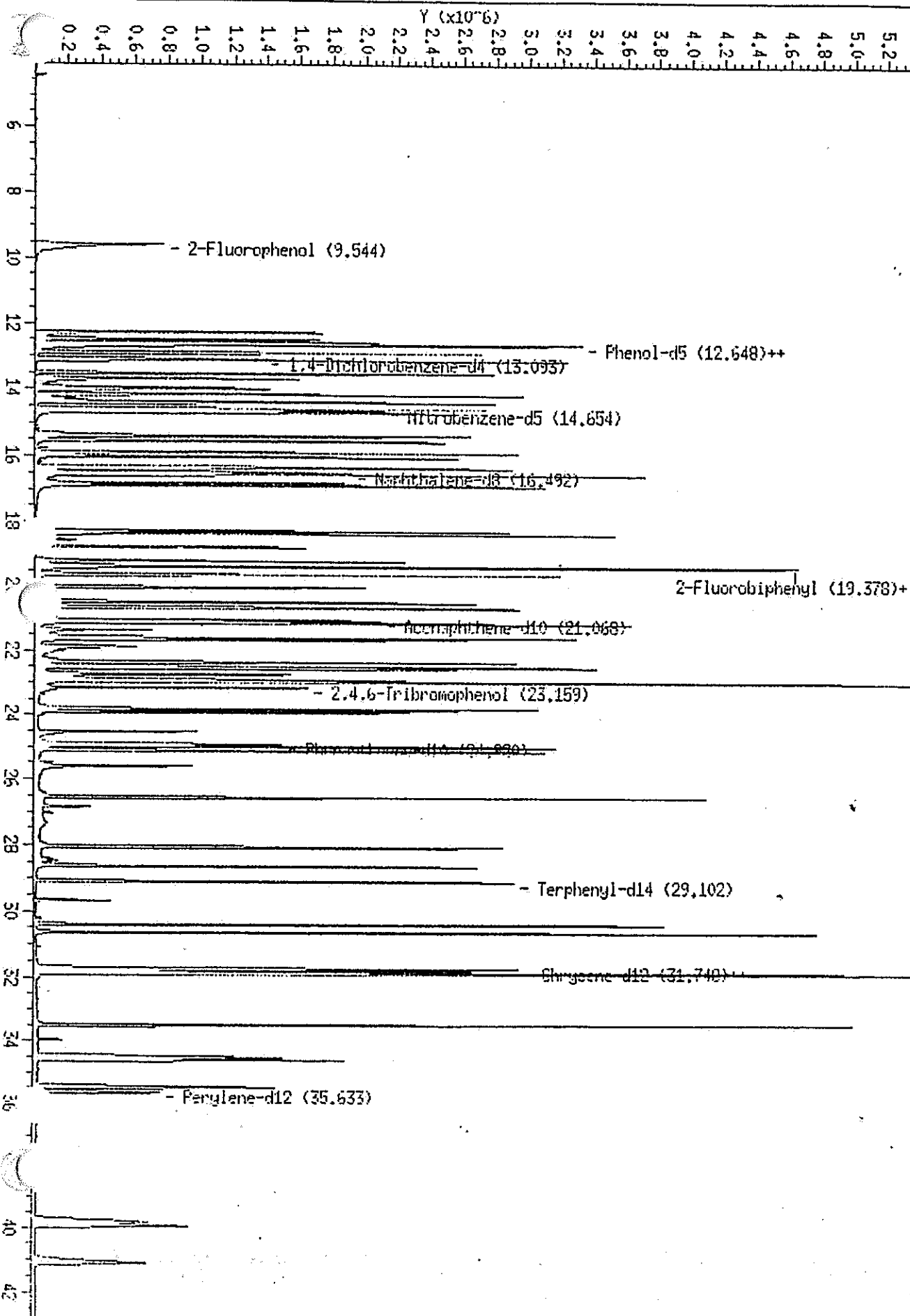
Sample ID:

Column phase:

Volume injected (uL): 1.0

Column diameter: 0.20

/chem/msd3.i/3-070896.b/ENH0101001.d



SemiVolatile Method Blank Summary

Lab Name: EeoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107849	Extraction Method No.: 3550
Batch No(s): 0708960001	Date Extracted: 7/8/96
Lab File ID: BNA0201002	Date Analyzed: 7/8/96
Lab Sample ID: AB35172	Time Analyzed: 16:52
Cleanup Method: NA	Level: Low
Instrument ID: MSD-3	Matrix: Soil

This method blank applies to the following samples, MS and MSD:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed
1	NA	AB35509 LCS	BNA0401004	7/8/96
2	NA	AB35510 MS	BNA0601006	7/8/96
3	NA	AB35511 MSD	BNA0701007	7/8/96
4	244-T1-S1	AB35169	BNA0801008	7/8/96
5	261-T1-S1	AB35170	BNA0501005	7/8/96
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QA/QC Officer

Comments:

Soil Volatile MS/MSD Recovery

Lab Name: EcoSys, Inc.	Client: ACE SAD
Ledger No(s): 107849	Matrix Spike/Spike dup: AB35170 REF
Batch No(s): 0708960001	AB35510 MS
Lab File ID: BNA0601006/BNA0701007	AB35511 MSD

Compound	Spike Added (ug/Kg)	Sample	MS	MS % Recovery	#	QC Limits Recovery
		Conc. (ug/Kg)	Conc. (ug/Kg)			
Phenol	3330	ND	2040	61		26-90
2-Chlorophenol	3330	ND	2050	62		25-102
1,4-Dichlorobenzene	1670	ND	1050	63		28-104
N-Nitroso-di-n-propylamine	1670	ND	1110	66		41-126
1,2,4-Trichlorobenzene	1670	ND	1090	65		38-107
4-Chloro-3-methylphenol	3330	ND	2220	67		26-103
Acenaphthene	1670	ND	1190	71		31-137
4-Nitrophenol	3330	ND	1930	58		11-114
2,4-Dinitrotoluene	1670	ND	1160	69		28-89
Pentachlorophenol	3330	ND	2580	77		17-109
Pyrene	1670	ND	1460	87		35-142

Compound	Spike Added (ug/Kg)	MSD	MSD % Recovery	#	% RPD	#	QC Limits	
		Conc. (ug/Kg)					RPD	Recovery
Phenol	3330	1900	57		7		35	26-90
2-Chlorophenol	3330	1880	56		9		50	25-102
1,4-Dichlorobenzene	1670	972	58		8		27	28-104
N-Nitroso-di-n-propylamine	1670	953	57		15		38	41-126
1,2,4-Trichlorobenzene	1670	1000	60		9		23	38-107
4-Chloro-3-methylphenol	3330	1980	59		11		33	26-103
Acenaphthene	1670	1060	63		12		19	31-137
4-Nitrophenol	3330	1690	51		13		50	11-114
2,4-Dinitrotoluene	1670	1060	63		9		47	28-89
Pentachlorophenol	3330	2290	69		12		47	17-109
Pyrene	1670	1380	83		6		36	35-142

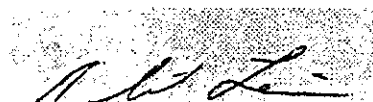
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ND = Not Detected

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits


QA/QC Officer

Comments: _____

SemiVolatile LCS Recovery

Lab Name: EcoSys, Inc.

Client: ACE SAD

Ledger No(s): 107849

Lab Control Spike/LCS Dup No: AB35509 LCS

Batch No(s): 0708960001

Lab File ID: BNA0401004

Compound	Spike Added (ug/Kg)	Sample	LCS	LCS % Recovery	#	QC Limits Recovery
		Conc (ug/Kg)	Conc (ug/Kg)			
Phenol	3330	NR	2180	65		26-90
2-Chlorophenol	3330	NR	2110	63		25-102
1,4-Dichlorobenzene	1670	NR	1100	66		28-104
N-Nitroso-di-n-propylamine	1670	NR	1190	71		41-126
1,2,4-Trichlorobenzene	1670	NR	1090	65		38-107
4-Chloro-3-methylphenol	3330	NR	2330	70		0-100
Acenaphthene	1670	NR	1220	73		31-137
4-Nitrophenol	3330	NR	2080	62		11-114
2,4-Dinitrotoluene	1670	NR	1220	73		28-89
Pentachlorophenol	3330	NR	2400	72		17-109
Pyrene	1670	NR	1490	89		35-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NR = Not Required

Spike Recovery: 0 out of 11 outside limits



QA/QC Officer

Comments: _____

SemiVolatile Surrogate Recovery (Soil)

Lab Name: EcoSys, Inc.	Client: ACE SAD
Ledger No(s): 107849	Level: Low
Batch No(s): 0708960001	

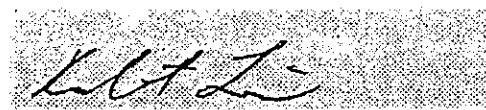
Lab	S1	S2	S3	S4	S5	S6	Total
Sample No.	(2FP) #	(PHL) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	Out
AB35172 MB	63	69	65	70	64	84	0
AB35509 LCS	57	65	61	67	70	84	0
AB35510 MS	54	60	59	67	70	82	0
AB35511 MSD	50	55	53	58	62	77	0
AB35169	35	43	40	48	60	72	0
AB35170	51	59	55	61	64	78	0

Column used to flag recovery values

* = Values outside of required QC limits

ND = Not Detected

	QC Limits
S1 (2FP) 2-Fluorophenol	25-121
S2 (PHL) Phenol-d5	24-113
S3 (NBZ) Nitrobenzene-d5	23-120
S4 (FBP) 2-Fluorobiphenyl	30-115
S5 (TBP) 2,4,6-Tribromophenol	19-122
S6 (TPH) Terphenyl-d14	18-137



QA/QC Officer

Comments:

General Chemistry Method Blank Summary

Lab Name: EcoSys, Inc.

Client: ACE-SAD

Ledger: 107849

Lab Sample ID: AB35172

Client Sample ID: Method Blank

	ANALYTE	BLANK VALUE	MDL mg/Kg	DATE ANALYZED
1	TRPH 9071A	<MDL	10.0	7/5/96
2				
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QA/QC Officer

Comments:

General Chemistry Duplicate Recovery

Lab Name: EcoSys, Inc.

Client: ACE-SAD

Ledger No(s): 107849

Sample AB35169

	Sample Result (mg/Kg)	Dup. Sample Result (mg/Kg)	% RPD
TRPH 9071A	109	107	1.9

RPD Limit 20%

NR = Not Required

ND = Not Detected

NC = Not Calculable due to value(s) less than CRDL



QA/QC Officer

Comments:

General Chemistry LCS/LCSD Recovery

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 107849	

LCS

	Spike Added mg/Kg	Sample Conc. mg/Kg	LCS Conc. mg/Kg	LCS % Recovery	QC Limits Required
TRPH 9071A	133	NR	136	102	80-120

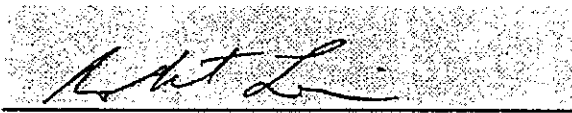
LCSD

	LCSD Conc. mg/Kg	LCSD % Recovery	% RPD	% RPD Limits
TRPH 9071A	133	100	2.2	20

NR = Not Required

ND = Not Detected

NC = Not Calculable due to value(s) less than CRDL



QA/QC Officer

Comments:

South Atlantic Division Laboratory
U. S. Army Corps of Engineers
611 South Cobb Drive
Marietta, Georgia 30060-3112

District - SAVANNAH
Date Received - 96/06/25
Date Reported - 96/07/12 16:37:02
FT. STEWART ARMY AF
Requisition - PMS-96-109
Work Order - 7996 Job Number - 3969

Lab #	Field ID	Date Sampled	Time Sampled
29349	#242-T1-S1	96/06/24	12:05

Test Performed	Result	Units	Tested By	Test Date
TOTAL SOLIDS, % OF WET	87.80	%	SPA	96/06/28
AROMATIC VOLATILE ORGANICS	*		SPA	96/06/28
SEMIVOLATILE ORGANICS GC/MS	*		SPA	96/06/28
TRPH	441.0	MG/KG	SPA	96/06/28

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis
Blaise Willis
Chemist

Page 1 of 2

L # Field ID

20350 TRIP BLANK

Date Sampled

96/06/24

Time Sampled

00:00

Test Performed

AROMATIC VOLATILE ORGANICS

Result Units

*

Tested By Test Date

SPA 96/06/27

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis
Blaise Willis
Chemist

at 2 of 2

SOUTH ATLANTIC DIVISION LABORATORY
SAMPLE RECEIVING AND COOLER RECEIPT DATA SHEET
CHEMICAL SECTION - Sample Log-In

DATE: 6/25/96

Number of coolers 1 Returned cooler(s) to: 

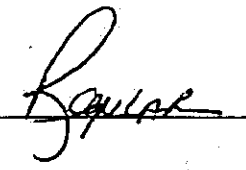
PROJECT: FT. STEWART W.O.# _____ JOB# 3969

Coolers(s) opened by (print name) RONALD C. McINTOSH (sign) 

1. Did cooler come with shipping slip? ☒ yes ☐ no
If yes, enter Tracking Number here 151 103 H28 3 (BUS)
2. Were custody seals on out side of cooler?
How many? 4 Date on seal(s) 6/24/96 Name on seal(s) L.H. ☒ yes ☐ no
3. Were custody seals unbroken upon receipt? ☒ yes ☐ no
4. Did you screen sample(s) for "Radioactivity"? ☒ yes ☐ no
5. Were custody papers filled out properly? (ink, signed, etc.) ☒ yes ☐ no
6. Temperature of sample(s) upon receipt: 17C
7. Describe cooler packing: Ice Bags
8. Did all sample containers arrive unbroken? ☒ yes ☐ no
9. Were the sample containers sealed in separate plastic bags? ☒ yes ☐ no
10. Were labels on containers in good condition and agree with Custody paper? ☒ yes ☐ no
11. Were correct containers used for the test(s) indicated? ☒ yes ☐ no
12. Were correct preservatives added to sample(s)? ☐ yes ☐ no ☒ N/A
13. Was a sufficient amount of sample sent for test? ☒ yes ☐ no
14. Were bubbles absent in Volatile sample(s)? ☒ yes ☐ no ☐ N/A
If no, list field ID# _____

15. Numbers of days from sample date, samples received in Lab 1 day

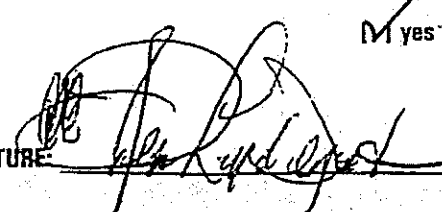
16. Number of Samples: 2 Sample Type: ☐ soil ☐ water ☐ other _____

SAMPLE ANALYSIS PERFORMED BY: SPA TAT 

COMMENTS: _____

17. Did you sign custody papers in the appropriate place? ☒ yes ☐ no

LAB NUMBER(S): 39349-50

SIGNATURE: 

Page 4 of 4

СЛУЖБА ЗАШТИТЕ И РЕСТАВРАЦИЈЕ

WASTE OIL TANKS

Project No.	Project Name	Sample (Shipments)				Sample Location				No. of Containers				Remarks			
Sample Number	Date	Time	Comp.	Sample Location	No. of Containers	Remarks	Relinquished by	Date / Time	Received by	Date / Time	Relinquished by	Date / Time	Received by	Date / Time			
242-11-31	6/24/76	12:05		FAH/ST	3												
15-DBH-4	6/24/76			S.I. WATER	2												
TEAR VILE	6/24/76			"	1												
Relinquished by Relinquished by 																	

ECOSYS

LABORATORY SERVICES

ANALYTICAL
REPORT

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

USACE-SAD
Blaisdell Willis
611 South Cobb Drive
Marietta, GA 30060
P: 919-5270 F: 919-4977

Client Code 29112130
Ledger Number 107849
P.O. Number
Date Received 06/28/96
Time Received 09:45
Reporting Date 07/12/96

Lab Sample ID AB35169
Project # 3972
Project Name FT. STEWART
Sampling Date/Time 06/24/96 16:50

Client Site # 29356
Client Sample # 244-T1-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment Results are reported on a dry weight basis.									
SE	MS) SOIL					Prep Date 07/08/96		Batch 0708960001	
8270B	PHENOL	\$06013	Below MDL	378	ug/Kg	1.0	108-95-2	BS	07/08/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06013	Below MDL	378	ug/Kg	1.0	111-44-4	BS	07/08/96
8270B	2-CHLOROPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	95-57-8	BS	07/08/96
8270B	1,3-DICHLOROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	541-73-1	BS	07/08/96
8270B	1,4-DICHLOROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	108-48-7	BS	07/08/96
8270B	1,2-DICHLOROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	95-50-1	BS	07/08/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06013	Below MDL	378	ug/Kg	1.0	108-60-1	BS	07/08/96
8270B	2-METHYLPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	95-48-7	BS	07/08/96
8270B	4-METHYLPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	106-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06013	Below MDL	378	ug/Kg	1.0	621-64-7	BS	07/08/96
8270B	HEXACHLOROETHANE	\$06013	Below MDL	378	ug/Kg	1.0	87-72-1	BS	07/08/96
8270B	NITROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	98-95-3	BS	07/08/96
8270B	ISOPHORONE	\$06013	Below MDL	378	ug/Kg	1.0	78-59-1	BS	07/08/96
8270B	2-NITROPHENOL	\$06013	Below MDL	757	ug/Kg	1.0	88-75-5	BS	07/08/96
8270B	2,4-DIMETHYLPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	105-67-9	BS	07/08/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06013	Below MDL	378	ug/Kg	1.0	111-91-1	BS	07/08/96
8270B	2,4-DICHLOROPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	120-83-2	BS	07/08/96
8270B	1,2,4-TRICHLOROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	120-82-1	BS	07/08/96
8270B	NAPHTHALENE	\$06013	Below MDL	378	ug/Kg	1.0	91-20-3	BS	07/08/96
8270B	4-CHLOROANILINE	\$06013	Below MDL	378	ug/Kg	1.0	106-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	\$06013	Below MDL	378	ug/Kg	1.0	87-68-3	BS	07/08/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06013	Below MDL	757	ug/Kg	1.0	59-50-7	BS	07/08/96
8270B	2-METHYLNAPHTHALENE	\$06013	Below MDL	378	ug/Kg	1.0	91-57-6	BS	07/08/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06013	Below MDL	378	ug/Kg	1.0	77-47-4	BS	07/08/96
8270B	2,4,6-TRICHLOROPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	88-06-2	BS	07/08/96
8270B	2,4,5-TRICHLOROPHENOL	\$06013	Below MDL	378	ug/Kg	1.0	95-95-4	BS	07/08/96
8270B	2-CHLORONAPHTHALENE	\$06013	Below MDL	378	ug/Kg	1.0	91-58-7	BS	07/08/96

Lab Sample ID AB35169
 Project # 3972
 Name FT. STEWART
 Sampling Date/Time 06/24/96 16:50

Client Site # 29356
 Client Sample # 244-T1-S1

D	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
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Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL

Prep Date 07/08/96

Batch 0708960001

8270B	2-NITROANILINE	\$06013	Below MDL	378	ug/Kg	1.0	88-74-4	BS	07/08/96
8270B	DIMETHYL PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	131-11-3	BS	07/08/96
8270B	ACENAPHTHYLENE	\$06013	Below MDL	378	ug/Kg	1.0	208-98-8	BS	07/08/96
8270B	2,6-DINITROTOLUENE	\$06013	Below MDL	378	ug/Kg	1.0	808-20-2	BS	07/08/96
8270B	3-NITROANILINE	\$06013	Below MDL	378	ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	\$06013	Below MDL	378	ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	\$06013	Below MDL	1892	ug/Kg	1.0	51-28-5	BS	07/08/96
8270B	4-NITROPHENOL	\$06013	Below MDL	1892	ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	\$06013	Below MDL	378	ug/Kg	1.0	132-84-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	\$06013	Below MDL	378	ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	84-68-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06013	Below MDL	378	ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	\$06013	Below MDL	378	ug/Kg	1.0	88-73-7	BS	07/08/96
8270B	4-NITROANILINE	\$06013	Below MDL	378	ug/Kg	1.0	100-01-6	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06013	Below MDL	1892	ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	\$06013	Below MDL	378	ug/Kg	1.0	88-30-8	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06013	Below MDL	378	ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	\$06013	Below MDL	378	ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	\$06013	Below MDL	1892	ug/Kg	1.0	87-86-5	BS	07/08/96
8270B	PHENANTHRENE	\$06013	Below MDL	378	ug/Kg	1.0	85-01-8	BS	07/08/96
8270B	ANTHRACENE	\$06013	Below MDL	378	ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	84-74-2	BS	07/08/96
8270B	FLUORANTHENE	\$06013	Below MDL	378	ug/Kg	1.0	208-44-0	BS	07/08/96
8270B	PYRENE	\$06013	Below MDL	378	ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	85-68-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	\$06013	Below MDL	757	ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	\$06013	Below MDL	378	ug/Kg	1.0	58-55-3	BS	07/08/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	\$06013	Below MDL	378	ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	\$06013	Below MDL	378	ug/Kg	1.0	117-84-0	BS	07/08/96
8270B	BENZO(B)FLUORANTHENE	\$06013	Below MDL	378	ug/Kg	1.0	205-98-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	\$06013	Below MDL	378	ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	\$06013	Below MDL	378	ug/Kg	1.0	50-32-8	BS	07/08/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06013	Below MDL	378	ug/Kg	1.0	193-39-5	BS	07/08/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06013	Below MDL	378	ug/Kg	1.0	53-70-3	BS	07/08/96
8270B	BENZO(G,H,I)PERYLENE	\$06013	Below MDL	378	ug/Kg	1.0	191-24-2	BS	07/08/96
8270B	2-FLUOROPHENOL (SURR)	\$06013	35	%	REC	1.0	387-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	\$06013	43	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	\$06013	40	%	REC	1.0	4185-80-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06013	48	%	REC	1.0	321-80-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06013	60	%	REC	1.0	118-79-6	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	\$06013	72	%	REC	1.0	1718-51-0	BS	07/08/96
8270B	CARBAZOLE	\$06013	Below MDL	378	ug/Kg	1.0	88-74-8	BS	07/08/96

STEX (GC) SOIL

Prep Date 07/08/96

Batch 070896B

Lab Sample ID AB35169
Project # 3972
Project Name FT. STEWART
Sampling Date/Time 06/24/96 16:50

Client Site # 29356
Client Sample # 244-T1-S1

JD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment Results are reported on a dry weight basis.									
BTEX (GC) SOIL				Prep Date 07/08/96		Batch 070896B			
8020A	BENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	71-43-2	DTA	07/08/96
8020A	TOLUENE	\$08006	Below MDL	1.1	ug/Kg	1.0	108-88-3	DTA	07/08/96
8020A	ETHYLBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	100-41-4	DTA	07/08/96
8020A	XYLENES (TOTAL)	\$08006	Below MDL	1.1	ug/Kg	1.0	1330-20-7	DTA	07/08/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	77	%	REC	1.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	69	%	REC	1.0	460-00-4	DTA	07/08/96
8020A	CHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	108-90-7	DTA	07/08/96
8020A	1,2-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	95-50-1	DTA	07/08/96
8020A	1,3-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	541-73-1	DTA	07/08/96
8020A	1,4-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	106-48-7	DTA	07/08/96
8020A	TERT-METHYLBUTYL ETHER	\$08006	Below MDL	1.1	ug/Kg	1.0	1634-04-4	DTA	07/08/96
				Prep Date 07/04/96		Batch 070496			
9071A	TRPH SOIL	08041	125	11.5	mg/Kg	1.0		ML	07/05/96
				Prep Date 07/03/96		Batch 070396			
1	% TOTAL SOLIDS SOIL (N/C)	09099	87.2	0.1	%	1.0		MN	07/03/96

Lab Sample ID AB35170
Project # 3972
Project Name FT. STEWART
Sampling Date/Time 06/25/96 16:30

Client Site # 29357
Client Sample # 261-T1-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment Results are reported on a dry weight basis.									
SEMI (GC/MS) SOIL				Prep Date 07/08/96		Batch 0708960001			
8270B	PHENOL	\$06013	Below MDL	379	ug/Kg	1.0	108-95-2	BS	07/08/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06013	Below MDL	379	ug/Kg	1.0	111-44-4	BS	07/08/96
8270B	2-CHLOROPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	95-57-8	BS	07/08/96
8270B	1,3-DICHLOROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	541-73-1	BS	07/08/96
8270B	1,4-DICHLOROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	106-48-7	BS	07/08/96
8270B	1,2-DICHLOROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	95-50-1	BS	07/08/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06013	Below MDL	379	ug/Kg	1.0	108-60-1	BS	07/08/96
8270B	2-METHYLPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	95-48-7	BS	07/08/96
8270B	4-METHYLPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	106-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06013	Below MDL	379	ug/Kg	1.0	621-84-7	BS	07/08/96
8270B	HEXACHLOROETHANE	\$06013	Below MDL	379	ug/Kg	1.0	67-72-1	BS	07/08/96
8270B	NITROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	98-95-3	BS	07/08/96
8270B	ISOPHORONE	\$06013	Below MDL	379	ug/Kg	1.0	78-59-1	BS	07/08/96
8270B	2-NITROPHENOL	\$06013	Below MDL	759	ug/Kg	1.0	88-75-5	BS	07/08/96
8270B	2,4-DIMETHYLPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	105-67-9	BS	07/08/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06013	Below MDL	379	ug/Kg	1.0	111-91-1	BS	07/08/96

Lab Sample ID AB35170
Project # 3972
P : Name FT. STEWART
Sampling Date/Time 06/25/96 16:30

Client Site # 29357
Client Sample # 261-T1-S1

ID	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
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Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL				Prep Date 07/08/96		Batch 0708960001			
8270B	2,4-DICHLOROPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	120-83-2	BS	07/08/96
8270B	1,2,4-TRICHLOROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	120-82-1	BS	07/08/96
8270B	NAPHTHALENE	\$06013	Below MDL	379	ug/Kg	1.0	91-20-3	BS	07/08/96
8270B	4-CHLOROANILINE	\$06013	Below MDL	379	ug/Kg	1.0	106-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	\$06013	Below MDL	379	ug/Kg	1.0	87-88-3	BS	07/08/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06013	Below MDL	759	ug/Kg	1.0	58-50-7	BS	07/08/96
8270B	2-METHYLNAPHTHALENE	\$06013	517	379	ug/Kg	1.0	91-57-8	BS	07/08/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06013	Below MDL	379	ug/Kg	1.0	77-47-4	BS	07/08/96
8270B	2,4,6-TRICHLOROPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	88-08-2	BS	07/08/96
8270B	2,4,5-TRICHLOROPHENOL	\$06013	Below MDL	379	ug/Kg	1.0	95-95-4	BS	07/08/96
8270B	2-CHLORONAPHTHALENE	\$06013	Below MDL	379	ug/Kg	1.0	91-58-7	BS	07/08/96
8270B	2-NITROANILINE	\$06013	Below MDL	379	ug/Kg	1.0	88-74-4	BS	07/08/96
8270B	DIMETHYL PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	131-11-3	BS	07/08/96
8270B	ACENAPHTHYLENE	\$06013	Below MDL	379	ug/Kg	1.0	208-98-8	BS	07/08/96
8270B	2,6-DINITROTOLUENE	\$06013	Below MDL	379	ug/Kg	1.0	808-20-2	BS	07/08/96
8270B	3-NITROANILINE	\$06013	Below MDL	379	ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	\$06013	Below MDL	379	ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	\$06013	Below MDL	1897	ug/Kg	1.0	51-28-5	BS	07/08/96
8270B	4-NITROPHENOL	\$06013	Below MDL	1897	ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	\$06013	Below MDL	379	ug/Kg	1.0	132-84-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	\$06013	Below MDL	379	ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	84-68-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06013	Below MDL	379	ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	\$06013	Below MDL	379	ug/Kg	1.0	88-73-7	BS	07/08/96
8270B	4-NITROANILINE	\$06013	Below MDL	379	ug/Kg	1.0	100-01-6	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06013	Below MDL	1897	ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	\$06013	Below MDL	379	ug/Kg	1.0	88-30-8	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06013	Below MDL	379	ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	\$06013	Below MDL	379	ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	\$06013	Below MDL	1897	ug/Kg	1.0	87-86-5	BS	07/08/96
8270B	PHENANTHRENE	\$06013	Below MDL	379	ug/Kg	1.0	85-01-8	BS	07/08/96
8270B	ANTHRACENE	\$06013	Below MDL	379	ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	84-74-2	BS	07/08/96
8270B	FLUORANTHENE	\$06013	Below MDL	379	ug/Kg	1.0	208-44-0	BS	07/08/96
8270B	PYRENE	\$06013	Below MDL	379	ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	85-68-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	\$06013	Below MDL	759	ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	\$06013	Below MDL	379	ug/Kg	1.0	56-55-3	BS	07/08/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	\$06013	Below MDL	379	ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	\$06013	Below MDL	379	ug/Kg	1.0	117-84-0	BS	07/08/96
8270B	BENZO(B)FLUORANTHENE	\$06013	Below MDL	379	ug/Kg	1.0	205-99-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	\$06013	Below MDL	379	ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	\$06013	Below MDL	379	ug/Kg	1.0	50-32-8	BS	07/08/96

Lab Sample ID AB35170
Project # 3972
P Name FT. STEWART
Sampling Date/Time 06/25/96 16:30

Client Site # 29357
Client Sample # 261-T1-S1

ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment Results are reported on a dry weight basis.								
SEMI (GC/MS) SOIL			Prep Date 07/08/96		Batch 0708960001			
8270B INDENO(1,2,3-CD)PYRENE	\$06013	Below MDL	379	ug/Kg	1.0	193-39-5	BS	07/08/96
8270B DIBENZO(A,H)ANTHRACENE	\$06013	Below MDL	379	ug/Kg	1.0	53-70-3	BS	07/08/96
8270B BENZO(G,H,I)PERYLENE	\$06013	Below MDL	379	ug/Kg	1.0	191-24-2	BS	07/08/96
8270B 2-FLUOROPHENOL (SURR)	\$06013	51	%	REC	1.0	387-12-4	BS	07/08/96
8270B PHENOL-D5 (SURR)	\$06013	59	%	REC	1.0	13127-88-3	BS	07/08/96
8270B NITROBENZENE-D5 (SURR)	\$06013	55	%	REC	1.0	4185-80-0	BS	07/08/96
8270B 2-FLUOROBIPHENYL (SURR)	\$06013	61	%	REC	1.0	321-60-8	BS	07/08/96
8270B 2,4,6-TRIBROMOPHENOL (SURR)	\$06013	64	%	REC	1.0	118-79-8	BS	07/08/96
8270B TERPHENYL-D14 (SURR)	\$06013	78	%	REC	1.0	1718-51-0	BS	07/08/96
8270B CARBAZOLE	\$06013	Below MDL	379	ug/Kg	1.0	88-74-8	BS	07/08/96
BTEX (GC) SOIL			Prep Date 07/08/96		Batch 070896B			
8020A BENZENE	\$08006	Below MDL	11.5	ug/Kg	10.0	71-43-2	DTA	07/08/96
8020A TOLUENE	\$08006	69	11.5	ug/Kg	10.0	108-88-3	DTA	07/08/96
8020A ETHYLBENZENE	\$08006	414	11.5	ug/Kg	10.0	100-41-4	DTA	07/08/96
8020A XYLENES (TOTAL)	\$08006	1667	11.5	ug/Kg	10.0	1330-20-7	DTA	07/08/96
8L A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	94	%	REC	10.0	98-08-8	DTA	07/08/96
8020A 4-BROMOFLUOROBENZENE (SURR)	\$08006	896	%	REC	10.0	480-00-4	DTA	07/08/96
8020A CHLOROBENZENE	\$08006	Below MDL	11.5	ug/Kg	10.0	108-90-7	DTA	07/08/96
8020A 1,2-DICHLOROBENZENE	\$08006	Below MDL	11.5	ug/Kg	10.0	95-50-1	DTA	07/08/96
8020A 1,3-DICHLOROBENZENE	\$08006	Below MDL	11.5	ug/Kg	10.0	541-73-1	DTA	07/08/96
8020A 1,4-DICHLOROBENZENE	\$08006	Below MDL	11.5	ug/Kg	10.0	106-48-7	DTA	07/08/96
8020A TERT-METHYLBUTYL ETHER	\$08006	40	11.5	ug/Kg	10.0	1834-04-4	DTA	07/08/96
			Prep Date 07/04/96		Batch 070496			
9071A TRPH SOIL	08041	282	11.5	mg/Kg	1.0		ML	07/05/96
			Prep Date 07/03/96		Batch 070396			
160.3 % TOTAL SOLIDS SOIL (N/C)	09099	87.0	0.1	%	1.0		MN	07/03/96

Lab Sample ID AB35171
Project # 3972
Project Name FT. STEWART
Sampling Date/Time 06/25/96

Client Site # 29358
Client Sample # TRIP BLANK

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER				Prep Date 07/09/96		Batch 070996B			
BL	BENZENE	\$08106	Below MDL	1.0	ug/L	1.0	71-43-2	DTA	07/09/96
3020A	TOLUENE	\$08106	Below MDL	1.0	ug/L	1.0	108-88-8	DTA	07/09/96
3020A	ETHYLBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	100-41-4	DTA	07/09/96
3020A	XYLENES (TOTAL)	\$08106	Below MDL	1.0	ug/L	1.0	1330-20-7	DTA	07/09/96
3020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	87	%	REC	1.0	98-08-8	DTA	07/09/96
3020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	90	%	REC	1.0	460-00-4	DTA	07/09/96

Lab Sample ID AB35171 Client Site # 29358
 Project # 3972 Client Sample # TRIP BLANK
 P Name FT. STEWART
 Sampling Date/Time 06/25/96

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER				Prep Date 07/09/96		Batch 070996B			
8020A	CHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-90-7	DTA	07/09/96
8020A	1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	95-50-1	DTA	07/09/96
8020A	1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	541-73-1	DTA	07/09/96
8020A	1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-48-7	DTA	07/09/96
8020A	TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0	ug/L	1.0	1834-04-4	DTA	07/09/96

Lab Sample ID AB35172 Client Site #
 Project # 3972 Client Sample # METHOD BLANK SOIL
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 07/08/96		Batch 0708960001			
8270R	PHENOL	\$06013	Below MDL	330	ug/Kg	1.0	108-95-2	BS	07/08/96
8	BIS(2-CHLOROETHYL) ETHER	\$06013	Below MDL	330	ug/Kg	1.0	111-44-4	BS	07/08/96
8270B	2-CHLOROPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	95-57-8	BS	07/08/96
8	1,3-DICHLOROBENZENE	\$06013	Below MDL	330	ug/Kg	1.0	541-73-1	BS	07/08/96
8	1,4-DICHLOROBENZENE	\$06013	Below MDL	330	ug/Kg	1.0	108-48-7	BS	07/08/96
8270B	1,2-DICHLOROBENZENE	\$06013	Below MDL	330	ug/Kg	1.0	95-50-1	BS	07/08/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06013	Below MDL	330	ug/Kg	1.0	108-80-1	BS	07/08/96
8270B	2-METHYLPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	95-48-7	BS	07/08/96
8270B	4-METHYLPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	108-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06013	Below MDL	330	ug/Kg	1.0	621-84-7	BS	07/08/96
8270B	HEXACHLOROETHANE	\$06013	Below MDL	330	ug/Kg	1.0	67-72-1	BS	07/08/96
8270B	NITROBENZENE	\$06013	Below MDL	330	ug/Kg	1.0	98-95-3	BS	07/08/96
8270B	ISOPHORONE	\$06013	Below MDL	330	ug/Kg	1.0	78-59-1	BS	07/08/96
8270B	2-NITROPHENOL	\$06013	Below MDL	660	ug/Kg	1.0	88-75-5	BS	07/08/96
8270B	2,4-DIMETHYLPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	105-87-9	BS	07/08/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06013	Below MDL	330	ug/Kg	1.0	111-91-1	BS	07/08/96
8270B	2,4-DICHLOROPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	120-83-2	BS	07/08/96
8270B	1,2,4-TRICHLOROBENZENE	\$06013	Below MDL	330	ug/Kg	1.0	120-82-1	BS	07/08/96
8270B	NAPHTHALENE	\$06013	Below MDL	330	ug/Kg	1.0	91-20-3	BS	07/08/96
8270B	4-CHLOROANILINE	\$06013	Below MDL	330	ug/Kg	1.0	108-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	\$06013	Below MDL	330	ug/Kg	1.0	87-88-3	BS	07/08/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06013	Below MDL	660	ug/Kg	1.0	59-50-7	BS	07/08/96
8270B	2-METHYLNAPHTHALENE	\$06013	Below MDL	330	ug/Kg	1.0	91-57-8	BS	07/08/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06013	Below MDL	330	ug/Kg	1.0	77-47-4	BS	07/08/96
8	2,4,6-TRICHLOROPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	88-08-2	BS	07/08/96
8270B	2,4,5-TRICHLOROPHENOL	\$06013	Below MDL	330	ug/Kg	1.0	95-95-4	BS	07/08/96
8	2-CHLORONAPHTHALENE	\$06013	Below MDL	330	ug/Kg	1.0	91-58-7	BS	07/08/96
8	2-NITROANILINE	\$06013	Below MDL	330	ug/Kg	1.0	88-74-4	BS	07/08/96
8270B	DIMETHYL PHTHALATE	\$06013	Below MDL	330	ug/Kg	1.0	131-11-3	BS	07/08/96
8270B	ACENAPHTHYLENE	\$06013	Below MDL	330	ug/Kg	1.0	208-96-8	BS	07/08/96

Lab Sample ID AB35172
 Project # 3972
 P Name FT. STEWART
 Sampling Date/Time / / : *

Client Site #
 Client Sample # METHOD BLANK SOIL

MDL	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 07/08/96		Batch 0708960001		
8270B	2,6-DINITROTOLUENE	\$06013	Below MDL	330 ug/Kg	1.0	808-20-2	BS	07/08/96
8270B	3-NITROANILINE	\$06013	Below MDL	330 ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	\$06013	Below MDL	330 ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	\$06013	Below MDL	1650 ug/Kg	1.0	51-28-5	BS	07/08/96
8270B	4-NITROPHENOL	\$06013	Below MDL	1650 ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	\$06013	Below MDL	330 ug/Kg	1.0	132-84-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	\$06013	Below MDL	330 ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	\$06013	Below MDL	330 ug/Kg	1.0	84-88-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06013	Below MDL	330 ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	\$06013	Below MDL	330 ug/Kg	1.0	88-73-7	BS	07/08/96
8270B	4-NITROANILINE	\$06013	Below MDL	330 ug/Kg	1.0	100-01-8	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06013	Below MDL	1650 ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	\$06013	Below MDL	330 ug/Kg	1.0	86-30-6	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06013	Below MDL	330 ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	\$06013	Below MDL	330 ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	\$06013	Below MDL	1650 ug/Kg	1.0	87-86-5	BS	07/08/96
8270B	PHENANTHRENE	\$06013	Below MDL	330 ug/Kg	1.0	85-01-8	BS	07/08/96
8270B	ANTHRACENE	\$06013	Below MDL	330 ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	\$06013	Below MDL	330 ug/Kg	1.0	84-74-2	BS	07/08/96
8270B	FLUORANTHENE	\$06013	Below MDL	330 ug/Kg	1.0	208-44-0	BS	07/08/96
8270B	PYRENE	\$06013	Below MDL	330 ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	\$06013	Below MDL	330 ug/Kg	1.0	85-88-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	\$06013	Below MDL	660 ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	\$06013	Below MDL	330 ug/Kg	1.0	58-55-3	BS	07/08/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06013	Below MDL	330 ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	\$06013	Below MDL	330 ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	\$06013	Below MDL	330 ug/Kg	1.0	117-84-0	BS	07/08/96
8270B	BENZO(B)FLUORANTHENE	\$06013	Below MDL	330 ug/Kg	1.0	205-99-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	\$06013	Below MDL	330 ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	\$06013	Below MDL	330 ug/Kg	1.0	50-32-8	BS	07/08/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06013	Below MDL	330 ug/Kg	1.0	193-39-5	BS	07/08/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06013	Below MDL	330 ug/Kg	4.0	53-70-3	BS	07/08/96
8270B	BENZO(G,H,I)PERYLENE	\$06013	Below MDL	330 ug/Kg	1.0	191-24-2	BS	07/08/96
8270B	2-FLUOROPHENOL (SURR)	\$06013	63	% REC	1.0	367-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	\$06013	69	% REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	\$06013	65	% REC	1.0	4185-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06013	70	% REC	1.0	321-80-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06013	64	% REC	1.0	118-79-6	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	\$06013	84	% REC	1.0	1718-51-0	BS	07/08/96
8270B	CARBAZOLE	\$06013	Below MDL	330 ug/Kg	1.0	86-74-8	BS	07/08/96
ATL (GC) SOIL				Prep Date 07/08/96		Batch 070896B		
8020A	BENZENE	\$08006	Below MDL	1.0 ug/Kg	1.0	71-43-2	DTA	07/08/96
8020A	TOLUENE	\$08006	Below MDL	1.0 ug/Kg	1.0	108-88-3	DTA	07/08/96
8020A	ETHYLBENZENE	\$08006	Below MDL	1.0 ug/Kg	1.0	100-41-4	DTA	07/08/96
8020A	XYLENES (TOTAL)	\$08006	Below MDL	1.0 ug/Kg	1.0	1330-20-7	DTA	07/08/96

Lab Sample ID AB35172
 Project # 3972
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # METHOD BLANK SOIL

ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
TEX (GC) SOIL			Prep Date 07/08/96			Batch 070896B		
020A A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	95	%	REC	1.0	98-08-8	DTA	07/08/96
020A 4-BROMOFLUOROBENZENE (SURR)	\$08006	100	%	REC	1.0	460-00-4	DTA	07/08/96
020A CHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	108-90-7	DTA	07/08/96
020A 1,2-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	95-50-1	DTA	07/08/96
020A 1,3-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	541-73-1	DTA	07/08/96
020A 1,4-DICHLOROBENZENE	\$08006	Below MDL	1.0	ug/Kg	1.0	108-48-7	DTA	07/08/96
020A TERT-METHYLBUTYL ETHER	\$08006	Below MDL	1.0	ug/Kg	1.0	1834-04-4	DTA	07/08/96
			Prep Date 07/04/96			Batch 070496		
071A TRPH SOIL	08041	Below MDL	10.0	mg/Kg	1.0		ML	07/05/96

Lab Sample ID AB35173
 Project # 3972
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # METHOD BLANK WATER

ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
TF) WATER			Prep Date 07/09/96			Batch 070996B		
020A BENZENE	\$08106	Below MDL	1.0	ug/L	1.0	71-43-2	DTA	07/09/96
020A TOLUENE	\$08106	Below MDL	1.0	ug/L	1.0	108-88-8	DTA	07/09/96
020A ETHYLBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	100-41-4	DTA	07/09/96
020A XYLENES (TOTAL)	\$08106	Below MDL	1.0	ug/L	1.0	1330-20-7	DTA	07/09/96
020A A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	92	%	REC	1.0	98-08-8	DTA	07/09/96
020A 4-BROMOFLUOROBENZENE (SURR)	\$08106	96	%	REC	1.0	460-00-4	DTA	07/09/96
020A CHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-90-7	DTA	07/09/96
020A 1,2-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	95-50-1	DTA	07/09/96
020A 1,3-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	541-73-1	DTA	07/09/96
020A 1,4-DICHLOROBENZENE	\$08106	Below MDL	1.0	ug/L	1.0	108-48-7	DTA	07/09/96
020A TERT-METHYLBUTYL ETHER	\$08106	Below MDL	1.0	ug/L	1.0	1834-04-4	DTA	07/09/96

Lab Sample ID AB35509
 Project # 3972
 Project Name FT. STEWART
 Sampling Date/Time / /

Client Site #
 Client Sample # LCS

ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
EMI (GC/MS) SOIL			Prep Date 07/08/96			Batch 0708960001		
0270B 2-FLUOROPHENOL (SURR)	\$06013	57	%	REC	1.0	367-12-4	BS	07/08/96
0270B PHENOL-D5 (SURR)	\$06013	65	%	REC	1.0	13127-88-3	BS	07/08/96
0270B NITROBENZENE-D5 (SURR)	\$06013	61	%	REC	1.0	4165-60-0	BS	07/08/96

Lab Sample ID AB35509 Client Site #
 Project # 3972 Client Sample # LCS
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 07/08/96			Batch 0708960001		
8270B	2-FLUOROBIPHENYL (SURR)	\$06013	67	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06013	70	%	REC	1.0	118-79-8	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	\$06013	84	%	REC	1.0	1718-51-0	BS	07/08/96

Lab Sample ID AB35510 Client Site #
 Project # 3972 Client Sample # MS
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 07/08/96			Batch 0708960001		
8270B	2-FLUOROPHENOL (SURR)	\$06013	54	%	REC	1.0	387-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	\$06013	60	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	\$06013	59	%	REC	1.0	4185-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06013	67	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06013	70	%	REC	1.0	118-79-8	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	\$06013	82	%	REC	1.0	1718-51-0	BS	07/08/96

Lab Sample ID AB35511 Client Site #
 Project # 3972 Client Sample # MSD
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 07/08/96			Batch 0708960001		
8270B	2-FLUOROPHENOL (SURR)	\$06013	50	%	REC	1.0	387-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	\$06013	55	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	\$06013	53	%	REC	1.0	4185-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	\$06013	58	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	\$06013	62	%	REC	1.0	118-79-8	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	\$06013	77	%	REC	1.0	1718-51-0	BS	07/08/96

Lab Sample ID AB35516 Client Site #
 Project # 3972 Client Sample # LCS
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
3TEX (GC) SOIL				Prep Date 07/08/96		Batch 070896B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	104	% REC	1.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	104	% REC	1.0	480-00-4	DTA	07/08/96

Lab Sample ID AB35517 Client Site #
 Project # 3972 Client Sample # MS
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
3TEX (GC) SOIL				Prep Date 07/08/96		Batch 070896B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	81	% REC	1.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	80	% REC	1.0	480-00-4	DTA	07/08/96

Lab Sample ID AB35518 Client Site #
 Project # 3972 Client Sample # MSD
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
3TEX (GC) SOIL				Prep Date 07/08/96		Batch 070896B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08006	75	% REC	1.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08006	72	% REC	1.0	480-00-4	DTA	07/08/96

Lab Sample ID AB35567 Client Site #
 Project # 3972 Client Sample # LCS
 Project Name FT. STEWART
 Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
3TEX (GC) WATER				Prep Date 07/09/96		Batch 070996B		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	95	% REC	1.0	98-08-8	DTA	07/09/96
8020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	102	% REC	1.0	480-00-4	DTA	07/09/96

Lab Sample ID AB35568 Client Site #
Project # 3972 Client Sample # MS
Project Name FT. STEWART
Sampling Date/Time / /

W	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
METH (GC) WATER				Prep Date 07/09/96			Batch 070996B		
3020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	87	%	REC	1.0	98-08-8	DTA	07/09/96
3020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	90	%	REC	1.0	480-00-4	DTA	07/09/96

Lab Sample ID AB35569 Client Site #
Project # 3972 Client Sample # MSD
Project Name FT. STEWART
Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution	CAS #	ANALYST	DATE OF
						Factor			ANALYSIS
MTEX (GC) WATER				Prep Date 07/09/96			Batch 070996B		
3020A	A,A,A-TRIFLUOROTOLUENE (SURR)	\$08106	92	%	REC	1.0	98-08-8	DTA	07/09/96
3020A	4-BROMOFLUOROBENZENE (SURR)	\$08106	94	%	REC	1.0	480-00-4	DTA	07/09/96



Certifying Scientist

and Inorganics in Wastewater, Solids, and Wastes

IC R 441, SC-DHEC 98013, GA, TN-DOH 02826, UT-DOH E-228, FL-DEP 940134 HRS E87511 (Water) HRS 87485 (Drinking Water), NY-DEH ELAP 11551,

VI-D..., 998014380

Radioactive Materials License ISO 9000 EPA ID EPA Reg Waste GA APHIS Fed Lab ID US Army Corps of
GA-DNR 1283-1 A2LA:0594-01 GA-00058 GA-0001011008 S-3968 58-188334 Engineers Validation

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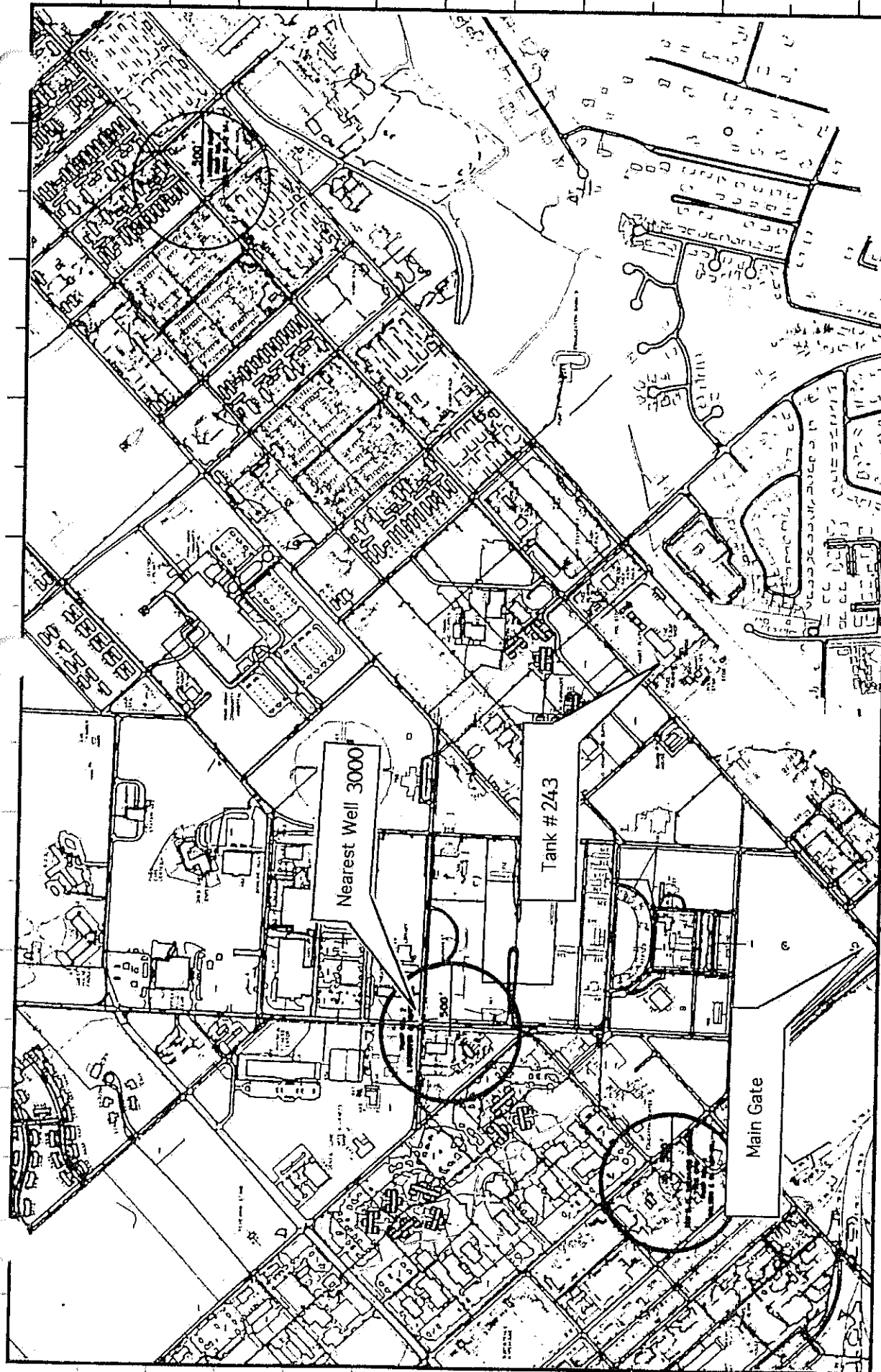
TAB 9

MANIFESTS

NO MANIFESTS
APPLICABLE TO THIS SITE

TAB 10

FORT STEWART AREA MAP



LEGEND/REF. DRWG'S

Base map of Fort Stewart.

ANDERSON COLUMBIA

ENVIRONMENTAL INC.
P.O. BOX 1386 LAKE CITY, FLORIDA 32056 (904) 755-1196

DR. AJR CH'D SRC DR. APP. DFB

ENGR. ENGR'G DEPT.

DATE 9 Oct 96 SCALE 1"=1000'

Area Map for Tank # 243

Fort Stewart

Hinesville, Georgia

DRAWING NO.: FIGURE 1

CLOSURE REPORT ADDENDUM

FACILITY ID. NO. 9-089041
UST #243

December 31, 1998

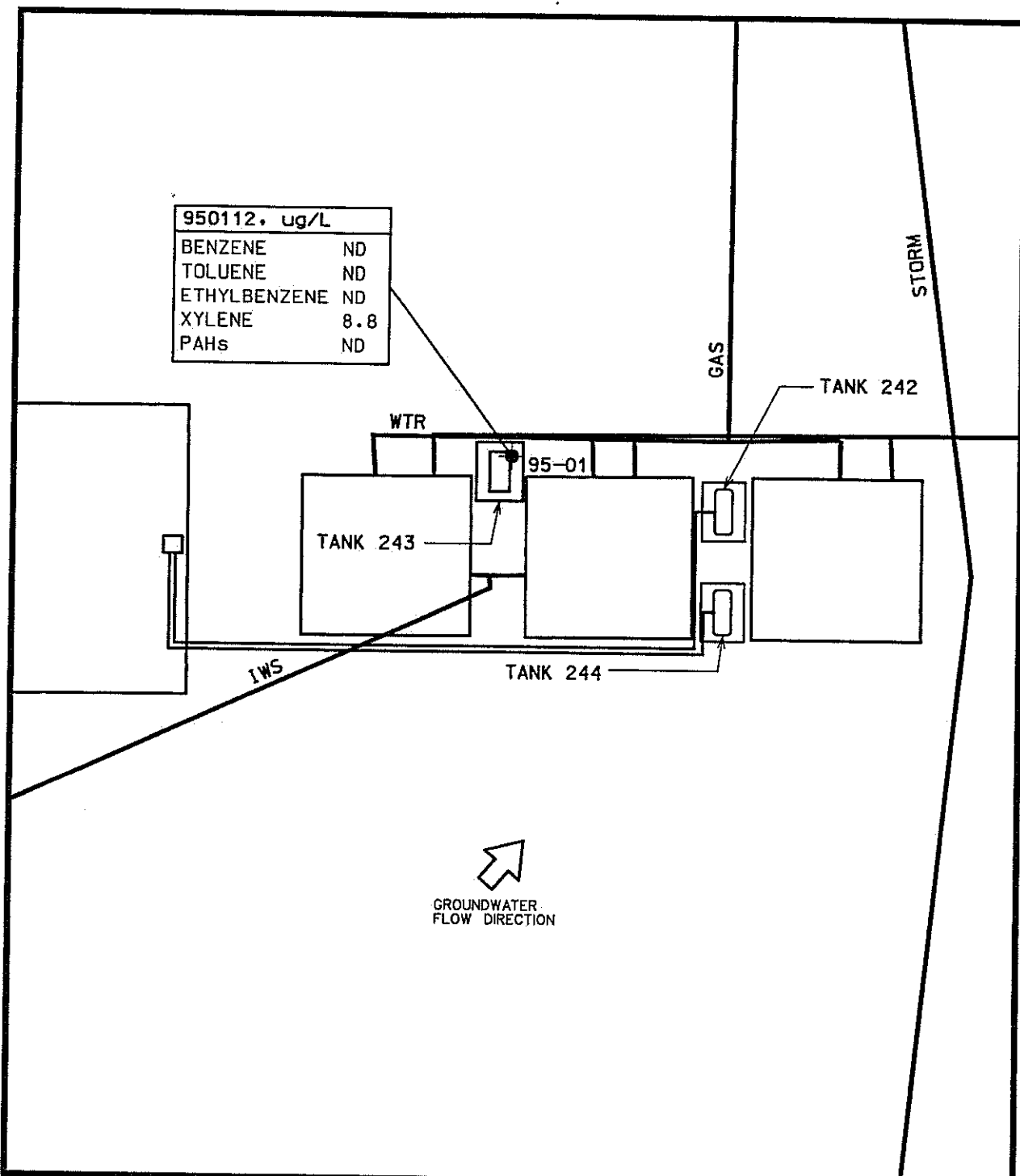
NOTE: PLEASE INSERT THIS ADDENDUM INTO THE CLOSURE REPORT
SUBMITTED TO THE USTMP IN OCTOBER 1996

CLOSURE REPORT ADDENDUM
UST #243, FACILITY ID. NO. 9-089041

SITE MAPS
TAB 5

Enclosed is a scaled site map which identifies the additional sampling location along with water and sewer lines adjacent to the site. NOTE: The resampling location is within 5 feet of the original sample location 243-T1-S1 identified in the previously submitted site map.

950112. ug/L	
BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENE	8.8
PAHs	ND

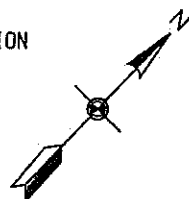


LEGEND

• PRELIMINARY GROUNDWATER SOIL BORING LOCATION

0 20 40

SCALE: 1" = 40'



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

UST 243, BLDG 241
FACILITY ID *9-089041
SITE LOCATION PLAN

DRAWN BY: J. LAMB REV. NO. DATE: 0/12/31/98 CAD FILE: '96016/DGNS/B99CA15B.DGN

CLOSURE REPORT ADDENDUM
UST #243, FACILITY ID. NO. 9-089041

CLOSURE OF PIPING
TAB 6

The undersigned certifies that the piping at this facility was associated with former Tank #243, located at Building 241, Fort Stewart, Georgia, which was used for storage of waste oil. The piping was not greater than 25 feet, and in accordance with Georgia Underground Storage Tank Rules, sampling is not required.

The undersigned also certifies that the piping associated with former Tank #243 was purged and cleaned by our contractor, Anderson Columbia Environmental, prior to abandoning the piping in-place. In-place closure consisted of placing an absorbent sock in the pipe and then grouting the ends.

Name: Thomas C. Fry Title: Chief, Environmental Branch

Signature: *Thomas C. Fry* Date: 1/5/99

CLOSURE REPORT ADDENDUM
UST #243, FACILITY ID. NO. 9-089041

LABORATORY ANALYTICAL DATA
TAB 7

The analytical results and chain of custody forms from the groundwater sample collected at this site in September 1998 are provided for your use and convenience.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

950112

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA

SDG No.: FS4B05W

Matrix: (soil/water) WATER

Lab Sample ID: 9809642-15

Sample wt/vol: 10.00 (g/ml) ML

Lab File ID: 2B2021

Level: (low/med) LOW

Date Received: 09/21/98

% Moisture: not dec. _____

Date Analyzed: 09/22/98

GC Column: J&W DB-624(PID) ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

71-43-2-----Benzene	2.0	U
108-88-3-----Toluene	2.0	U
100-41-4-----Ethylbenzene	2.0	U
1330-20-7-----Xylenes (total)	8.8	

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

950112RE

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: FS4B02W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9809638-10

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 1N409

Level: (low/med) LOW Date Received: 09/21/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/29/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 10/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

91-20-3-----	naphthalene	10.5	U
91-58-7-----	2-chloronaphthalene	10.5	U
209-96-8-----	acenaphthylene	10.5	U
83-32-9-----	acenaphthene	10.5	U
86-73-7-----	fluorene	10.5	U
85-01-8-----	phenanthrene	10.5	U
120-12-7-----	anthracene	10.5	U
206-44-0-----	fluoranthene	10.5	U
129-00-0-----	pyrene	10.5	U
56-55-3-----	benzo (a) anthracene	10.5	U
218-01-9-----	chrysene	10.5	U
205-99-2-----	benzo (b) fluoranthene	10.5	U
207-08-9-----	benzo (k) fluoranthene	10.5	U
50-32-8-----	benzo (a) pyrene	10.5	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.5	U
53-70-3-----	dibenz (a,h) anthracene	10.5	U
191-24-2-----	benzo (g,h,i) perylene	10.5	U

US A21

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