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 241
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, Georiga

Underground Storage Tank Removal and Closure

Table of Contents

Prepared by

Anderson Columbia Enviornmental, Inc.

TAB 1

GEORGIA CLOSURE REPORT FORMS

Georgia Department of Natural Resources

Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkeay, 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

4. Site-specific Hydrogeology:

Depth to Groundwater ~14 ft. if encountered

☐ Not Applicable

5. Site Map: Include the following items on an attached site map: **REFER TO TAB 5**

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

6. Tank Removal

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

Tank #	Tank Size (gallons)	Tank Contents
241	1000	Used Oil

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

- ~~Attach Amended Notification Form 7530-1~~ **REFER TO TAB 6**
- Describe Soil Sampling Procedures (and groundwater, if encountered):

REFER TO TAB 6

7. Laboratory-Analytical Data: The following items must be included on attached copies **REFER TO TAB 7**

- Laboratory Method
- Date of Sampling
- Date of Analysis
- Dectection Limits
- Signed Chain of Custody
- 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)

40.86 Tons OR _____ yd^3

☐ 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).

[X] Drinking water supplies are NOT located in: **SEE TAB 7, 10**

High or average groundwater pollution susceptibility area:*
Public water systems within 2.0 miles and
Non-public water systems within 0.5 mile

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

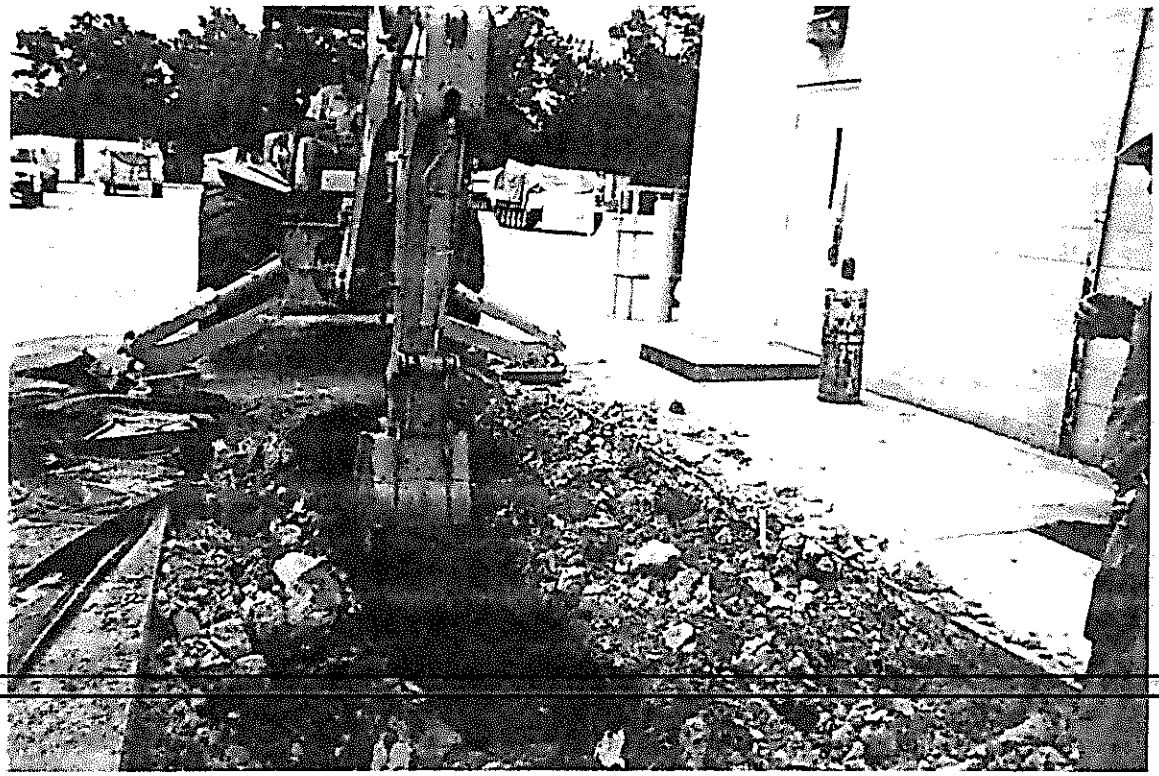


Photo 1. Initiation of excavating activities.

Photo 2. Continuing excavation (photographer's finger marks fill pipe).

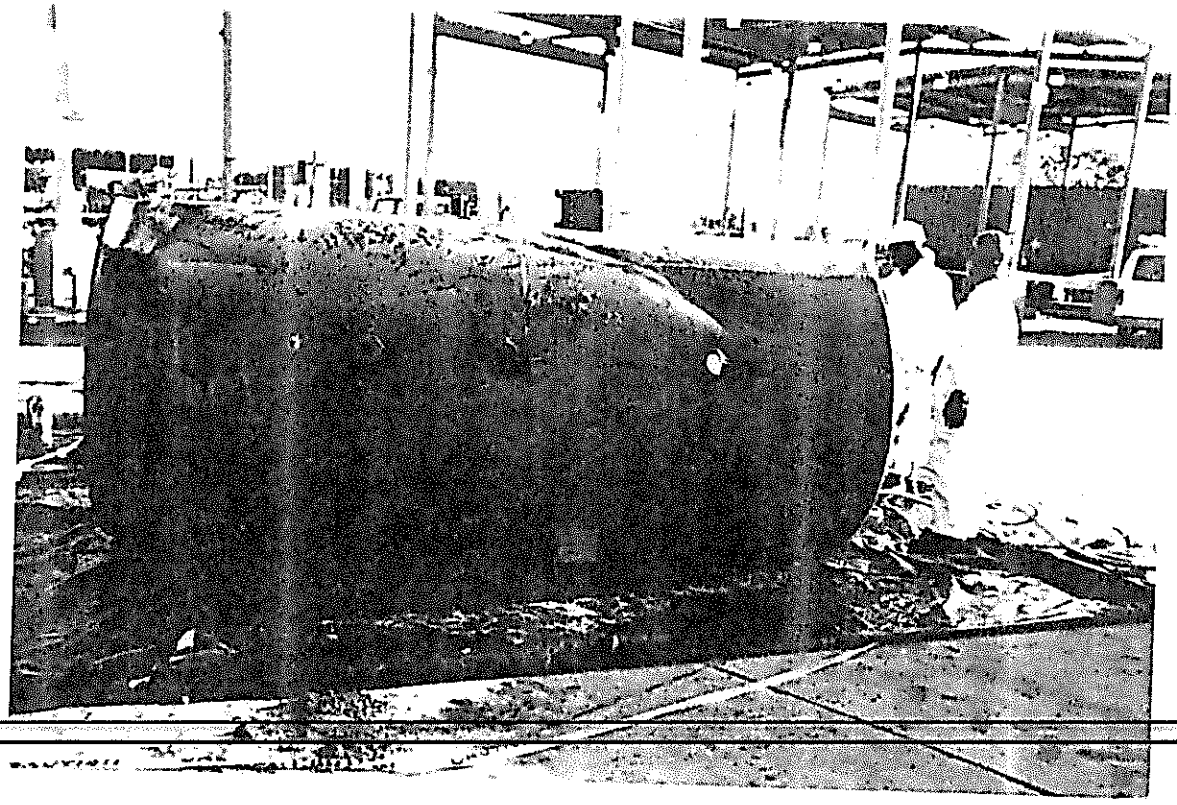


Photo 3. Tank 241 after removal and cutting.

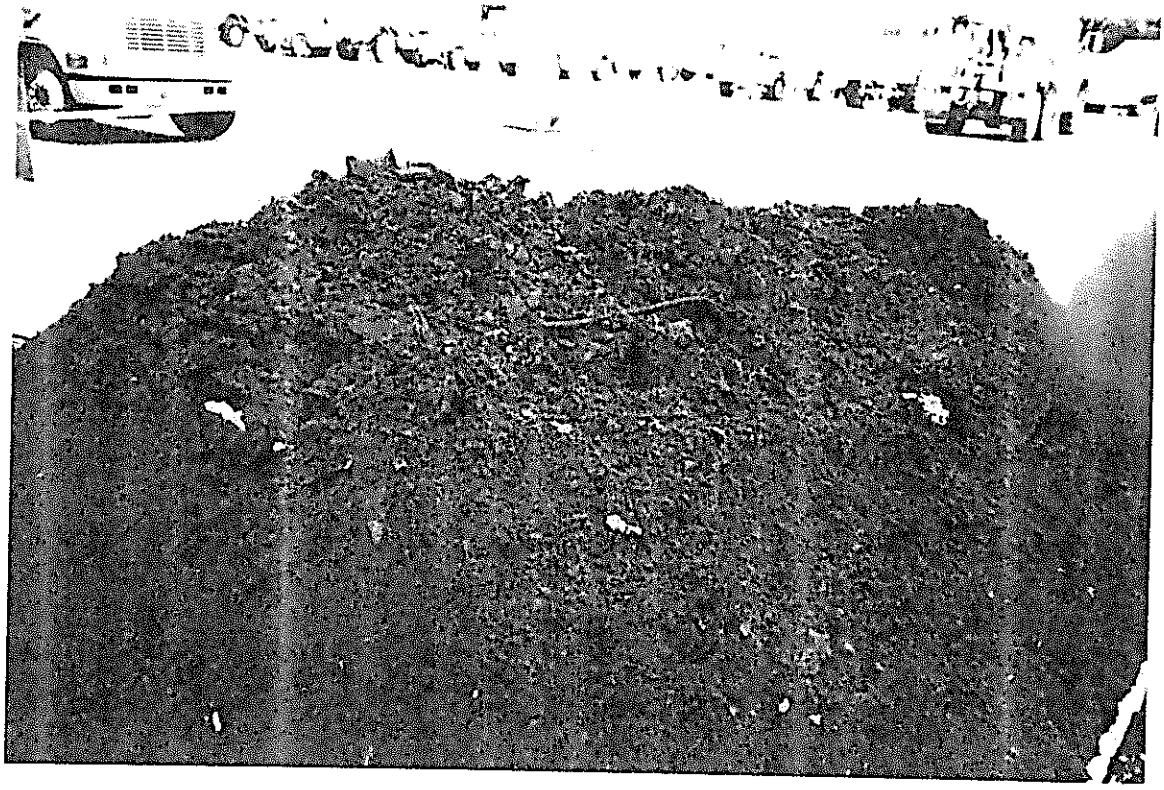
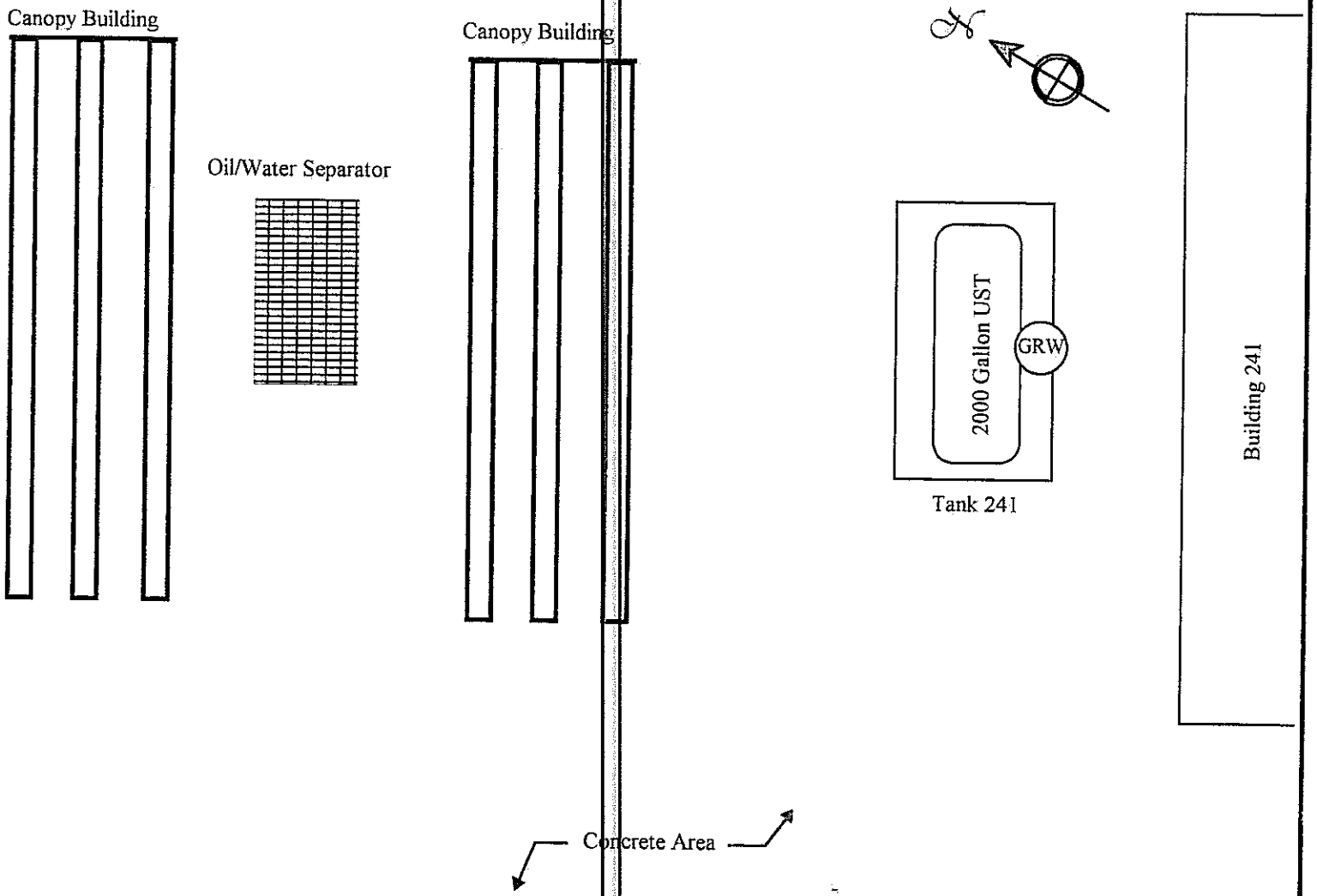


Photo 4. Petroleum Contaminated Soil removed from the Tank Pit.

TAB 5

SITE MAPS



LEGEND

GRW — Location of Water 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: 11 Oct 96 SCALE: 1" = 10'

Sampling Map - Tank 241
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

state use only

Part I: Facility Data

FACILITY ID NUMBER: 9-089041

OWNER'S ID: 197

INITIAL DATE RECEIVED: 12/18/92

DATE AMENDED LAST: _____

NOTIFICATION TYPE: [X] New [ ] Amended [X] 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: [X] 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	[X] 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 Omf/ Div. (M) AFZP-DEV/BLDG 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	241				
Status of Tank					
Currently in Use	X				
Temp. Out of Use	X				
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	241									
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	5-29-96	5-29-96								
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 Guaging										
Inter. Mon./Double Wall										
Groundwater Monitoring										
Manual Tank Guaging										
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 241
Building Number 241

Method / **Sample ID** / *unit*	418.1 **TPH** ppm	9071A **TRPH** ppm	9071 **Oil & Grease** ppm	8020 **BTEX** ppb	8100 **PAH/PNA** ppb	8270 **Semi-Volatile Organics** ppb
241-TI-GRW	nt	nt	nt	27	nt	bdl
bdl= below method detection limits nt=not tested						

40.86 tons of petroleum contaminated soil was removed from the Tank 241 site.

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)	
VOLATILE ORGANIC COMPOUNDS	≤500 feet to withdrawal point	>500 feet to withdrawal point	≤500 feet to withdrawal point	>500 feet to withdrawal point
Benzene[g]	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]	
VOLATILE ORGANIC COMPOUNDS	≤500 feet to surface water body	>500 feet to surface water body	≤500 feet to surface water body	>500 feet to surface water body
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
Norcross, 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	**Client Site #**	29329
Project #	3959	**Client Sample #**	241-T1-GW
Project Name	FT. STEWART		
Sampling Date/Time	06/19/96 17:05		

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	108-60-1	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 **Client Site #** 29329
Project # 3959 **Client Sample #** 241-T1-GW
Project Name FT. STEWART
Sampling Date/Time 06/19/96 17:05

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 **Client Site #** 29330
Project # 3959 **Client Sample #** TRIP BK-#2
Project Name FT. STEWART
Sampling Date/Time 06/19/96 :

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 **Client Site #** 29331
Project # 3959 **Client Sample #** 243-T1-S1
Project Name FT. STEWART
Sampling Date/Time 06/20/96 10:00

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

Lab Sample ID	AB34959	**Client Site #**	29329
Project #	3959	**Client Sample #**	241-T1-GW
Project Name	FT. STEWART		
Sampling Date/Time	06/19/96 17:05		

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	606-20-2	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	100-01-6	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	206-44-0	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	**Client Site #**	29331
Project #	3959	**Client Sample #**	243-T1-S1
Project Name	FT. STEWART		
Sampling Date/Time	06/20/96 10:00		

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
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
A	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	1634-04-4	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
					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

Lab Sample ID AB34962 **Client Site #** 29332
Project # 3959 **Client Sample #** TRIP BK-#3
Project Name FT. STEWART
Sampling Date/Time 06/20/96 :

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 **Client Site #**
Project # 3959 **Client Sample #** WATER METHOD BLANK
Project Name FT. STEWART
Sampling Date/Time / / :

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	111-91-1	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	HEXACHLOROBUTADIENE	$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	**Client Site #**	
Project #	3959	**Client Sample #**	WATER METHOD BLANK
Project Name	FT. STEWART		
Sampling Date/Time	/ / :		

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	2,4,6-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	86-74-8	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	206-44-0	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
	2-METHYLNAPHTHALENE	$06011	Below MDL	33.0	ug/Kg	1.0	91-57-6	DTA	06/26/96
	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 **Client Site #**
Project # 3959 **Client Sample #** SOIL METHOD BLANK
Project Name FT. STEWART
Sampling Date/Time / / :

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 **Client Site #**
Project # 3959 **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) 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 **Client Site #**
Project # 3959 **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) 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 Client Site #
Project # 3959 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) 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 Client Site #
Project # 3959 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) 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 Client Site #
Project # 3959 Client Sample # MS
Project Name FT. STEWART
Sampling Date/Time / /

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 Client Site #
Project # 3959 Client Sample # MSD
Project Name FT. STEWART
Sampling Date/Time / /

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 **Client Site #**
Project # 3959 **Client Sample #** LCS
Project Name FT. STEWART
Sampling Date/Time / /

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	*76*		% REC	1.0		DTA	06/26/96

Lab Sample ID AB35129 **Client Site #**
Project # 3959 **Client Sample #** LCS
Project Name FT. STEWART
Sampling Date/Time / /

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	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 **Client Site #**
Project # 3959 **Client Sample #** MS
Project Name FT. STEWART
Sampling Date/Time / /

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	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 **Client Site #**
Project # 3959 **Client Sample #** MSD
Project Name FT. STEWART
Sampling Date/Time / /

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	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 **Client Site #**
Project # 3959 **Client Sample #** LCS
Project Name FT. STEWART
Sampling Date/Time / /

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 **Client Site #**
Project # 3959 **Client Sample #** MS
Project Name FT. STEWART
Sampling Date/Time 07/01/96

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 **Client Site #**
Project # 3959 **Client Sample #** MSD
Project Name FT. STEWART
Sampling Date/Time / /

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 **Client Site #**
Project # 3959 **Client Sample #** METHOD BLANK WATER
Project Name FT. STEWART
Sampling Date/Time / /

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	**Client Site #**	
Project #	3959	**Client Sample #**	METHOD BLANK WATER
Project Name	FT. STEWART		
Sampling Date/Time	/ /		

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	S06113	*Below MDL*	10.0	ug/L	1.0	95-48-7	BS	06/29/96
8270B	4-METHYLPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	106-44-5	BS	06/29/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06113	*Below MDL*	10.0	ug/L	1.0	621-64-7	BS	06/29/96
8270B	HEXACHLOROETHANE	S06113	*Below MDL*	10.0	ug/L	1.0	67-72-1	BS	06/29/96
8270B	NITROBENZENE	S06113	*Below MDL*	10.0	ug/L	1.0	98-95-3	BS	06/29/96
8270B	ISOPHORONE	S06113	*Below MDL*	10.0	ug/L	1.0	78-59-1	BS	06/29/96
8270B	2-NITROPHENOL	S06113	*Below MDL*	20.0	ug/L	1.0	88-75-5	BS	06/29/96
8270B	2,4-DIMETHYLPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	105-67-9	BS	06/29/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06113	*Below MDL*	10.0	ug/L	1.0	111-91-1	BS	06/29/96
8270B	2,4-DICHLOROPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	120-83-2	BS	06/29/96
8270B	1,2,4-TRICHLOROBENZENE	S06113	*Below MDL*	10.0	ug/L	1.0	120-82-1	BS	06/29/96
8270B	NAPHTHALENE	S06113	*Below MDL*	10.0	ug/L	1.0	91-20-3	BS	06/29/96
8270B	4-CHLOROANILINE	S06113	*Below MDL*	10.0	ug/L	1.0	106-47-8	BS	06/29/96
8270B	HEXACHLOROBUTADIENE	S06113	*Below MDL*	10.0	ug/L	1.0	87-68-3	BS	06/29/96
8270B	4-CHLORO-3-METHYLPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	59-50-7	BS	06/29/96
8270B	2-METHYLNAPHTHALENE	S06113	*Below MDL*	10.0	ug/L	1.0	91-57-6	BS	06/29/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06113	*Below MDL*	10.0	ug/L	1.0	77-47-4	BS	06/29/96
8270B	2,4,6-TRICHLOROPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	88-06-2	BS	06/29/96
8270B	2,4,5-TRICHLOROPHENOL	S06113	*Below MDL*	10.0	ug/L	1.0	95-95-4	BS	06/29/96
8270B	2-CHLORONAPHTHALENE	S06113	*Below MDL*	10.0	ug/L	1.0	91-58-7	BS	06/29/96
8270B	2-NITROANILINE	S06113	*Below MDL*	10.0	ug/L	1.0	88-74-4	BS	06/29/96
8270B	DIMETHYL PHTHALATE	S06113	*Below MDL*	10.0	ug/L	1.0	131-11-3	BS	06/29/96
8270B	ACENAPHTHYLENE	S06113	*Below MDL*	10.0	ug/L	1.0	208-96-8	BS	06/29/96
8270B	2,6-DINITROTOLUENE	S06113	*Below MDL*	10.0	ug/L	1.0	606-20-2	BS	06/29/96
8270B	3-NITROANILINE	S06113	*Below MDL*	10.0	ug/L	1.0	99-09-2	BS	06/29/96
8270B	ACENAPHTHENE	S06113	*Below MDL*	10.0	ug/L	1.0	83-32-9	BS	06/29/96
8270B	2,4-DINITROPHENOL	S06113	*Below MDL*	50.0	ug/L	1.0	51-28-5	BS	06/29/96
8270B	4-NITROPHENOL	S06113	*Below MDL*	50.0	ug/L	1.0	100-02-7	BS	06/29/96
8270B	DIBENZOFURAN	S06113	*Below MDL*	10.0	ug/L	1.0	132-64-9	BS	06/29/96
8270B	2,4-DINITROTOLUENE	S06113	*Below MDL*	10.0	ug/L	1.0	121-14-2	BS	06/29/96
8270B	DIETHYL PHTHALATE	S06113	*Below MDL*	10.0	ug/L	1.0	84-66-2	BS	06/29/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06113	*Below MDL*	10.0	ug/L	1.0	7005-72-3	BS	06/29/96
8270B	FLUORENE	S06113	*Below MDL*	10.0	ug/L	1.0	86-73-7	BS	06/29/96
8270B	4-NITROANILINE	S06113	*Below MDL*	10.0	ug/L	1.0	100-01-6	BS	06/29/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06113	*Below MDL*	50.0	ug/L	1.0	534-52-1	BS	06/29/96
8270B	N-NITROSODIPHENYLAMINE	S06113	*Below MDL*	10.0	ug/L	1.0	86-30-6	BS	06/29/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06113	*Below MDL*	10.0	ug/L	1.0	101-55-3	BS	06/29/96
8270B	HEXACHLOROBENZENE	S06113	*Below MDL*	10.0	ug/L	1.0	118-74-1	BS	06/29/96
8270B	PENTACHLOROPHENOL	S06113	*Below MDL*	50.0	ug/L	1.0	87-86-5	BS	06/29/96
8270B	PHENANTHRENE	S06113	*Below MDL*	10.0	ug/L	1.0	85-01-8	BS	06/29/96
8270B	ANTHRACENE	S06113	*Below MDL*	10.0	ug/L	1.0	120-12-7	BS	06/29/96
8270B	DI-N-BUTYL PHTHALATE	S06113	*Below MDL*	10.0	ug/L	1.0	84-74-2	BS	06/29/96
8270B	FLUORANTHENE	S06113	*Below MDL*	10.0	ug/L	1.0	206-44-0	BS	06/29/96
8270B	PYRENE	S06113	*Below MDL*	10.0	ug/L	1.0	129-00-0	BS	06/29/96
8270B	BUTYL BENZYL PHTHALATE	S06113	*Below MDL*	10.0	ug/L	1.0	85-68-7	BS	06/29/96

Lab Sample ID AB35458 **Client Site #**

Project # 3959 **Client Sample #** METHOD BLANK WATER

Project Name FT. STEWART

Sampling Date/Time / /

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	

U.S. Army Corps of Engineers

Work O___ # ______ Job # 3959

Chain of Custody Record
(ER 1_ _1-263)

TAT normal 5 Jul 96

Proj. No.:

Project Name: Ft. Stewart

Sampler : (Signature)

Due 6/28

Date	Time	Pres.	Grab	Comp	Site Code/Sample Number	Number of Containers	8020	8270	8100	9071				Remarks: SAD NO.	MAT
6/19/96	1705				241-T1-GW	3	✓	✓						29329 AB 34959	wat
↓		HCl			Trip Bk - #2	2	✓							29330 AB34960	wat
6/20/96	1000				243-T1-S1	3	✓		✓	✓				29331 AB34961	soi
↓		HCl			Trip Bk - #3	2	✓							29332 AB34962	wat
					water method Blank		X	X						AB34963	
					soil method Blank		X		X	X				AB34964	

Sampler Relinquished by:	Date/Time	Received by: (Sig.)	Date/Time
Relinquished by: (Sig.) Becky [illegible]	Date/Time 6/21/96	Received by: (Sig.) B [illegible]	Date/Time 6/21/96 13:10
Relinquished by: (Sig)	Date/Time	Received for Laboratory by: (Sig.)	Date/Time
Custody Seal No.		Lab case No.:	

Hazards Associated with Samples

Remarks at time of receipt:
Ledger # 107811 Ice 4°c
Location: Refrig #3 + 4

ENG Form 5021-R, Oct 90

Proponent: CEMP-

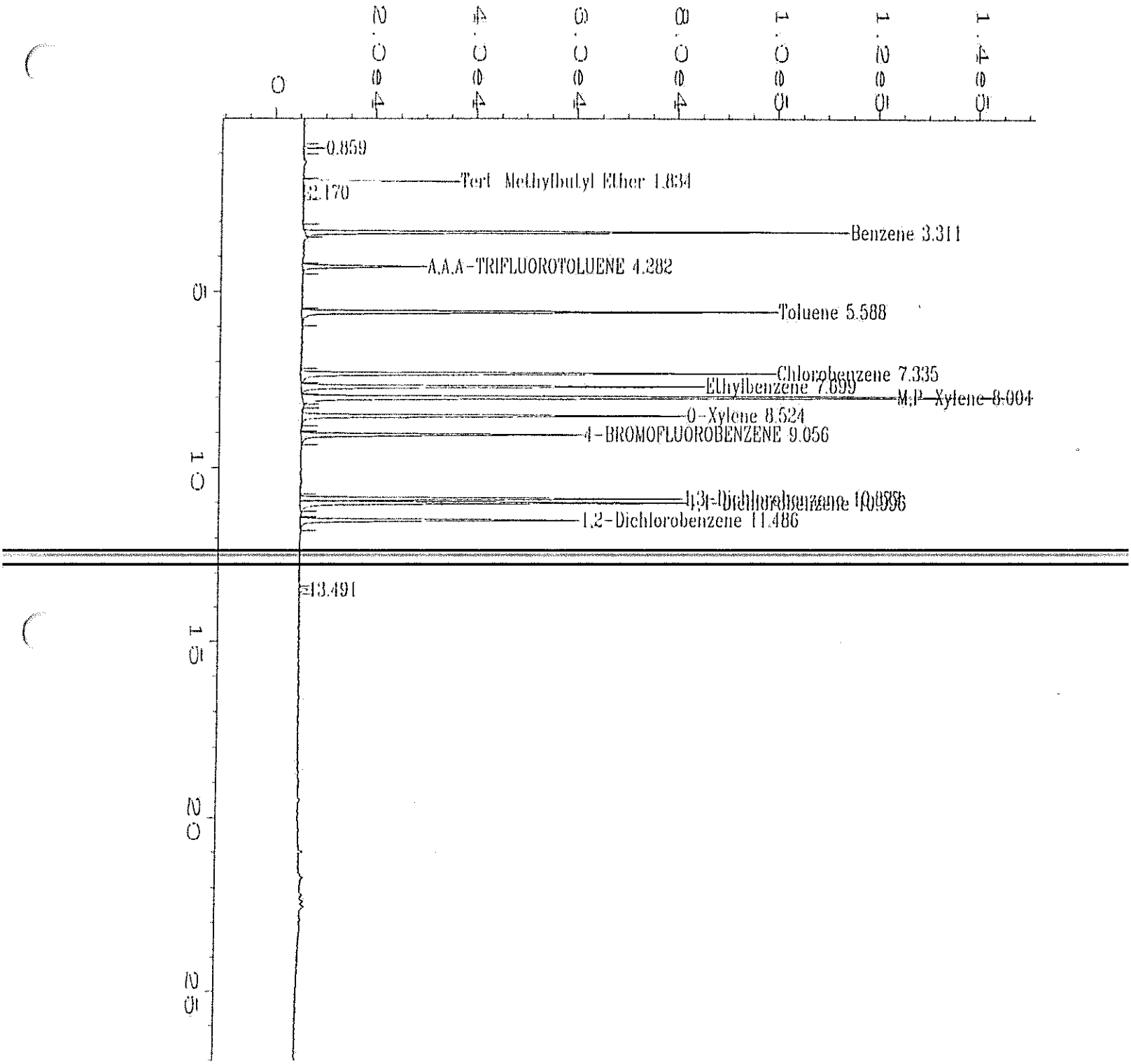
External Standard Report

Data File Name : C:\HPCHEM\2\DATA\b062696\60626F02.D
Operator : Doug Anderson
Instrument : GC6
Sample Name : 20ppb 8020 std
Run Time Bar Code:
Acquired on : 26 Jun 96 11:27 AM
Report Created on: 26 Jun 96 11:54 AM
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\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		
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.MTH
Report Created on	: 26 Jun 96 11:54 AM	Analysis Method	: 6B061396.MTH
Last Recalib on	: 14 JUN 96 11:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:
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
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: 107811
Batch No: 062696B
Lab File ID: 60626F05/60626F06

Client: ACE-SAD
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	QC Limits 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 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: 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

QA/QC Officer

Comments: _____

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc. Client: ACE-SAD
Ledger No(s): 107811
Batch No.: 062696B Matrix: Water
GC Column : DB-VXR Level: Low

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB34963 MBLK	104		95		0
AB35129 LCS	101		96		0
AB35130 MS	108		110		0
AB35131 MSD	107		106		0
AB34959	104		108		0
AB34960	102		104		0
AB34962	103		104		0

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 Lau
QA/QC Officer

Comments:

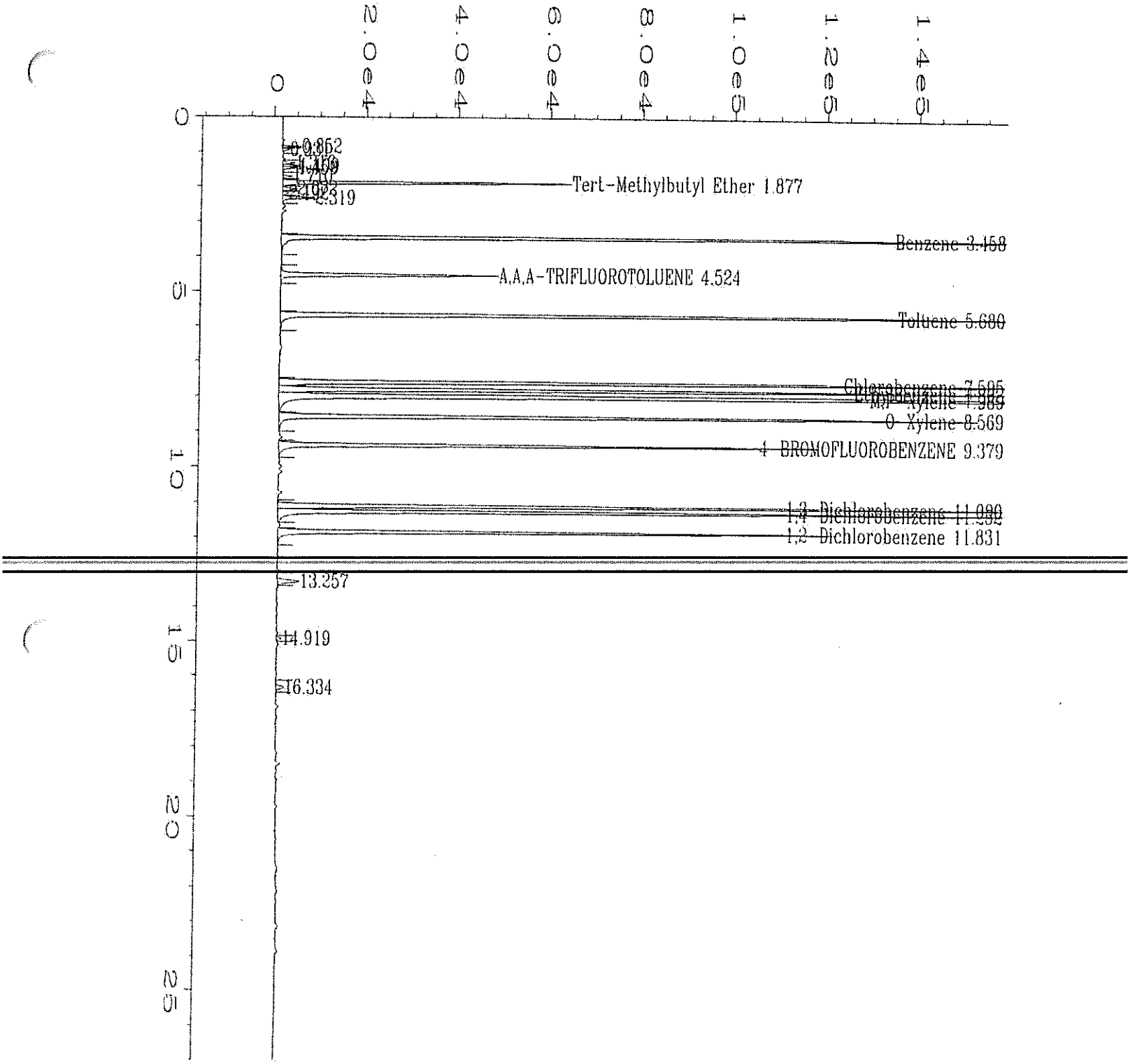
External Standard Report

Data File Name : C:\HPCHEM\1\DATA\b070196\30701F02.D
Operator : Doug Anderson
Instrument : GC3
Sample Name : 20ppb 8020 std
Run Time Bar Code:
Acquired on : 01 Jul 96 10:51 AM
Report Created on: 01 Jul 96 11:19 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\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
Operator : Doug Anderson
Instrument : GC3
Sample Name : 20ppb 8020 std
Run Time Bar Code:
Acquired on : 01 Jul 96 10:51 AM
Report Created on: 01 Jul 96 11:19 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 :

BTEX Method Blank Summary

Lab Name: EcoSys, Inc.
Ledger No(s): 107811
Batch No: 06269600
Lab File ID: 30701F03
Lab Sample ID: AB34964
Instrument ID: GC3

Client: ACE-SAD
Date Analyzed: 7/1/96
Time Analyzed: 11:24
Level: Low
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				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

NA = Not Applicable

QA/QC Officer

Comments:

BTEX Method Blank Summary

Lab Name: EcoSys, Inc.
Ledger No(s): 107811
Batch No: 070196B
Lab File ID: 30701F03
Lab Sample ID: AB34964
Instrument ID: GC3

Client: ACE-SAD

Date Analyzed: 7/1/96
Time Analyzed: 11:24
Level: Low
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				
4				
5				
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.
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 RPD	QC Limits Recovery
Benzene	20	11	56		1		30	40-160
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

QA/QC Officer

Comments: MSD show interference matirx 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 QC 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

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB34964 MBLK	88		98		0
AB35203 LCS	85		99		0
AB34961	92		102		0

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:

BTEX Surrogate Recovery Summary

Lab Name: EcoSys, Inc. Client: ACE-SAD
Ledger No(s): 107811
Batch No.: 070196B Matrix: SOIL
GC Column : DB-VXR Level: LOW

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB35211 MS	42		46		0
AB35212 MSD	36	*	40		1

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.

SemiVolatiles DFTPP

Lab Name: EcoSys, Inc. Client: ACE SAD

Ledger No: 107811 DFTPP Injection Date: 6/27/96

Lab File ID: DFTPP062796 DFTPP Injection Time: 15:13

Instrument ID: MSD-3 Batch 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-TI-GW	AB34959RE	BNA1501015	06/29/96	4:11 AM
11					
12					
13					
Comments:					

QA/QC OFFICER

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 DF 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

RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (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.

EcoSys, Inc.

TARGET COMPOUNDS

Client Name:
Client Sample ID: DFTPP02
Sample Location:
Lab Sample ID: DFTPP02
Sample Type: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: INSTRUMENT TUNE FOR msd3.i

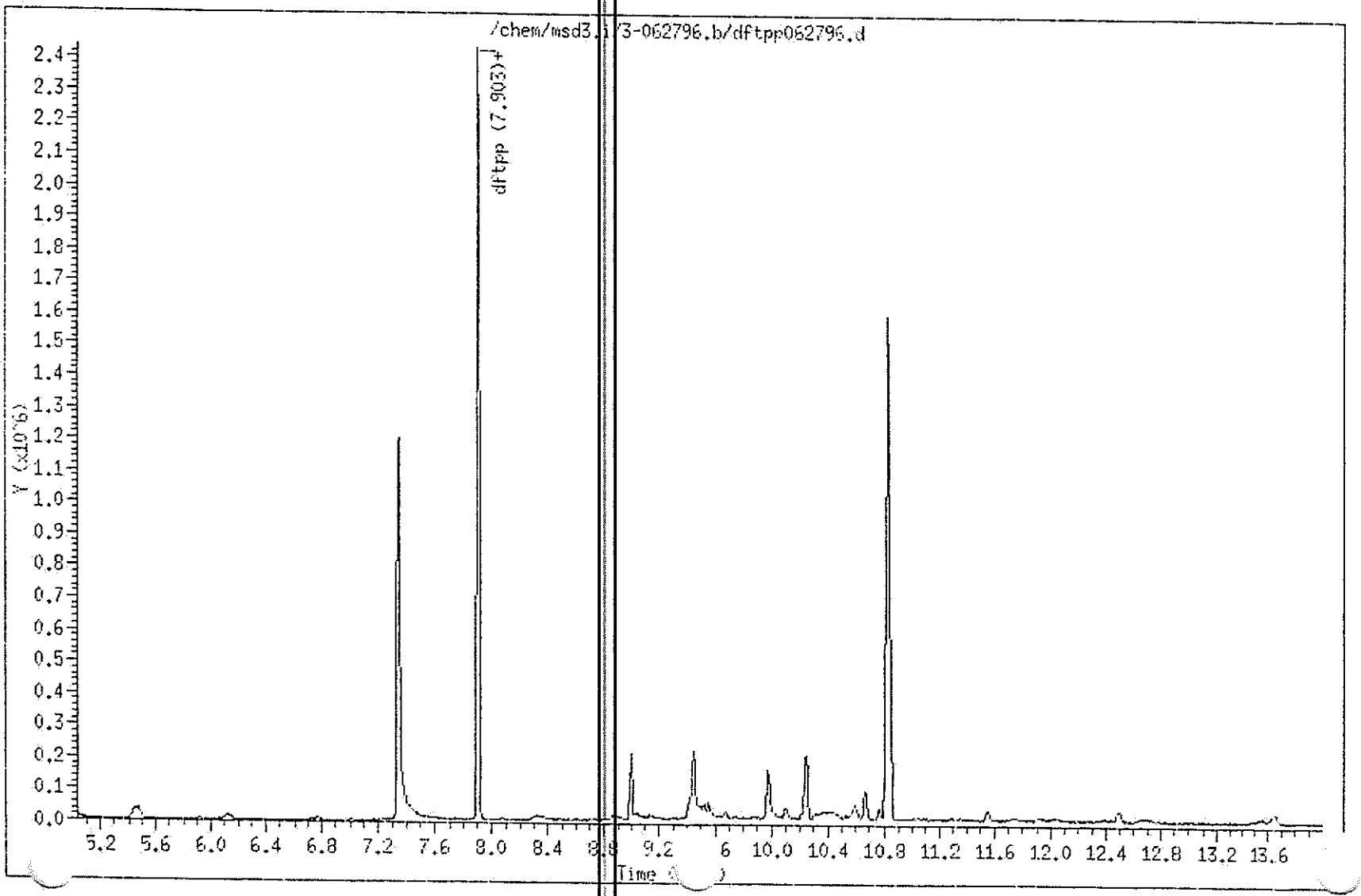
Client SDG: 3-062796.b
Sample Date:
Sample Point:
Date Received:

Level: LOW
Column Number: 1

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

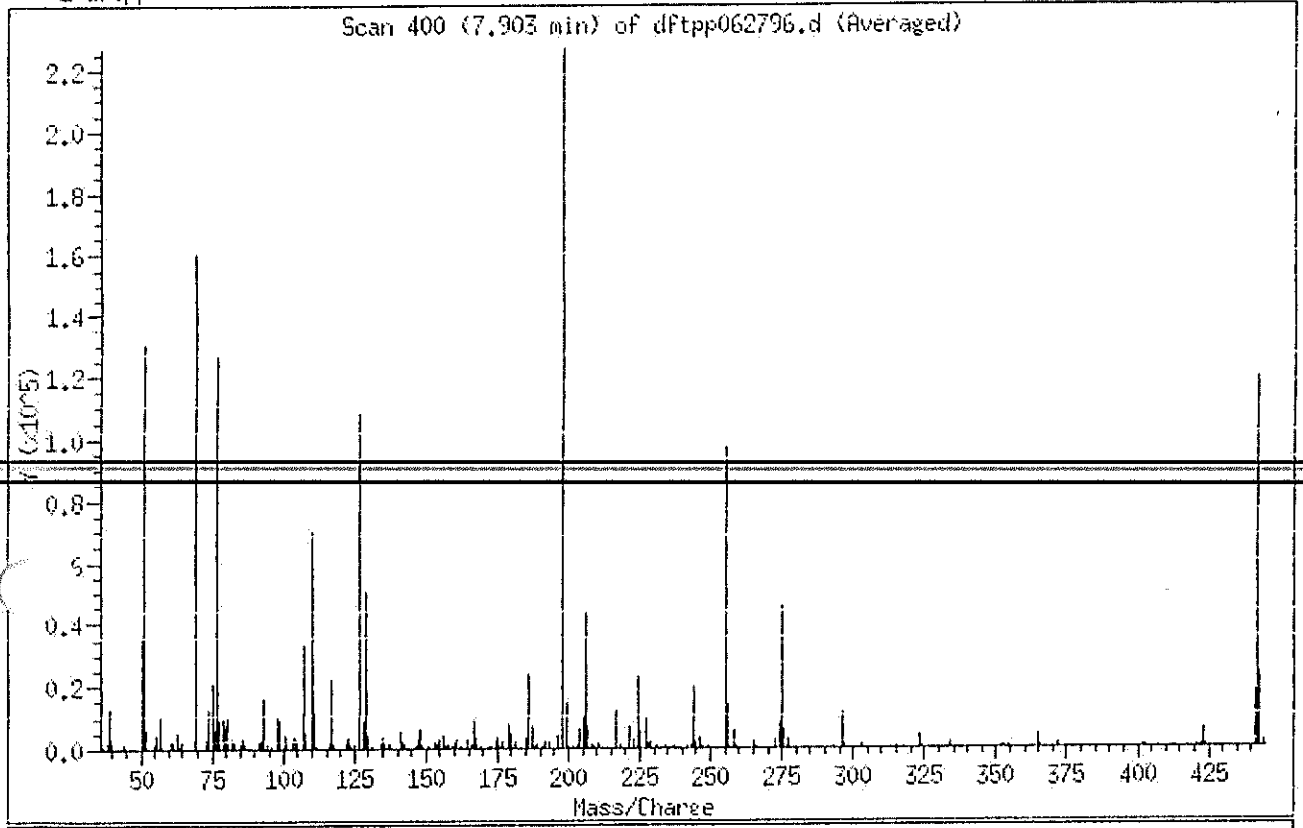
Data File: /chem/msd3.i/3-062796.b/dftpp062796.d
Date : 27-JUN-96 15:13
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 2.00



Data File: /chem/msd3.i/3-062796.b/dftpp062796.d
Date : 27-JUN-96 15:13
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

1 dftpp



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

Data File: /chem/msd3.i/3-062796.b/dftpp062796.d Page 5
ate : 27-JUN-96 15:13
Instrument : msd3.i
Sample ID : DFTPP02
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

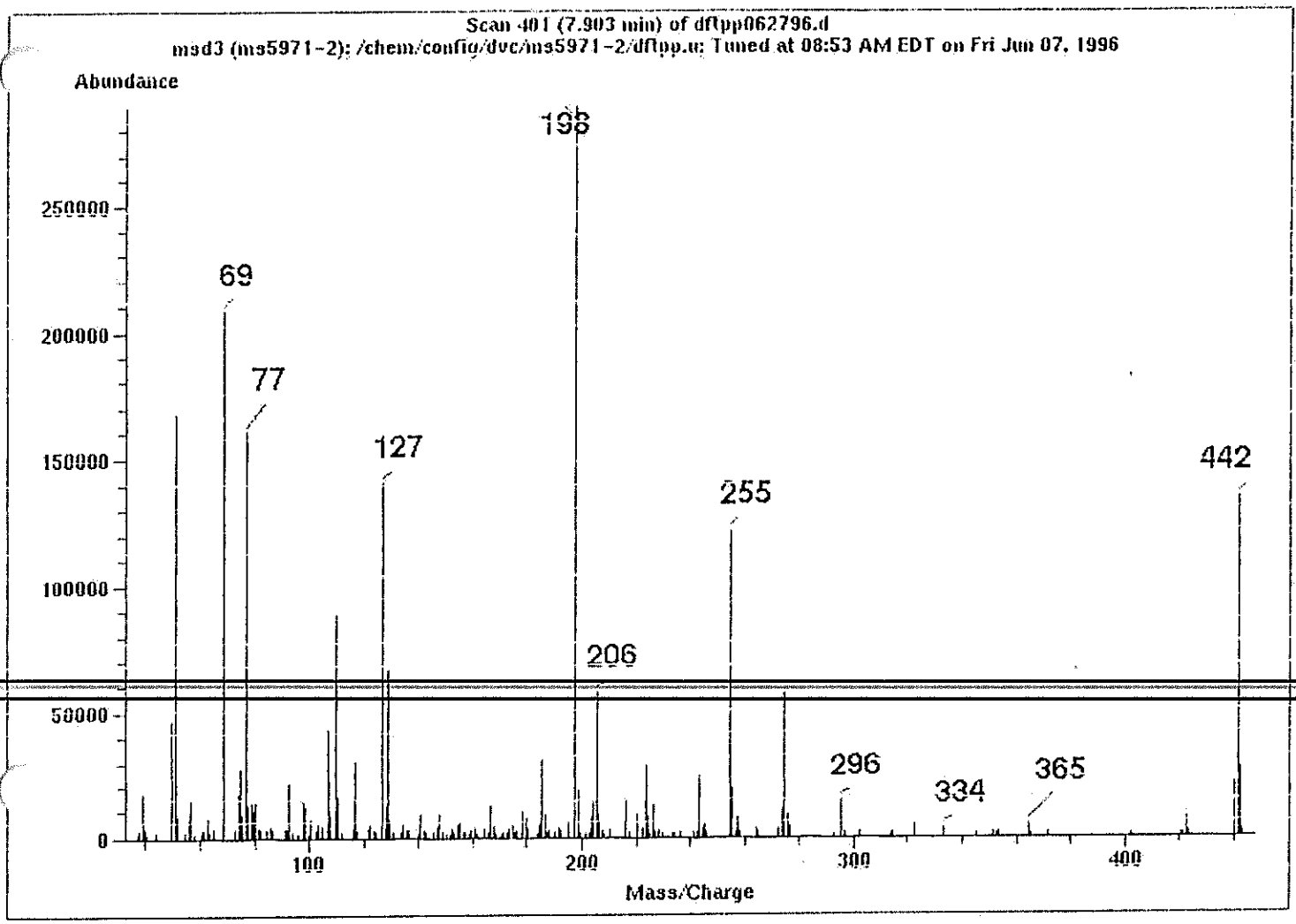
Spectrum: Scan 400-402 (7.903 min) Subtraction Scan 396
Base Peak: 198.00
Number of mass peaks: 189

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	2980
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

Data File: /chem/msd3.i/3-062796.b/dftpp062796.d
ate : 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	8302	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	394	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		



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.i/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.i
Smp Info : BNA-80-38
Misc Info : CONT CAL 80UG/ML
Comment :
Method : /chem/msd3.i/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	9.594(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(0.956)	1840236	79.4	79.4
	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(D)
	29 Hexachlorobutadiene **	225.00	17.117(1.025)	719369	61.9	61.9
	30 4-Chloro-3-methylphenol **	107.00	18.353(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)	CONCENTRATIONS 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)	3031729	69.2	69.2
	48 Diethyl phthalate	149.00	22.559(1.060)	3399273	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(M)
	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(AM)
	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(M)
	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	41.279(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.

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i
Lab File ID: BNA0101001.d
Analysis Type: WATER
Lab Sample ID:

Injection Date: 27-JUN-1996 15:35
Init. Calibration Date(s): 03/10/95 06/14/96
Init. Calibration Times: 11:35 12:12
Method File: /chem/msd3.i/3-062796.b/MH-BNA_2.m

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D	
2-Fluorophenol	1.161	1.159	0.050	0.1	30.0	
Phenol-d5	1.709	1.729	0.050	1.1	30.0	
Aniline	1.729	1.626	0.050	5.8	30.0	
Phenol **	1.767	1.731	0.050	2.0	30.0	
Bis(2-chloroethyl) ether	1.686	1.676	0.050	0.6	30.0	
2-Chlorophenol	1.245	1.254	0.050	0.7	30.0	
1,3-Dichlorobenzene	1.592	1.456	0.050	8.5	30.0	
1,4-Dichlorobenzene **	1.622	1.458	0.050	10.1	30.0	
1,2-Dichlorobenzene	1.552	1.426	0.050	8.1	30.0	
Benzyl alcohol	1.503	0.151	0.050	90.0	30.0	<-
2-Methylphenol	1.169	1.097	0.050	6.1	30.0	
Bis(2-chloroisopropyl) ether	1.987	2.205	0.050	11.0	30.0	
4-Methylphenol	1.199	1.019	0.050	15.0	30.0	
N-Nitrosodi-n-propylamine *	1.274	1.229	0.050	3.6	30.0	
Hexachloroethane	0.698	0.584	0.050	16.5	30.0	
Nitrobenzene-d5	0.579	0.546	0.050	5.8	30.0	
Nitrobenzene	0.539	0.507	0.050	5.9	30.0	
Isophorone	1.086	1.054	0.050	2.9	30.0	
2-Nitrophenol **	0.252	0.279	0.050	8.9	30.0	
2,4-Dimethylphenol	0.455	0.386	0.050	15.3	30.0	
Bis(2-Chloroethoxy)methane	0.581	0.622	0.050	7.0	30.0	
2,4-Dichlorophenol **	0.341	0.315	0.050	7.8	30.0	
Benzoic acid	0.276	0.203	0.010	26.3	30.0	
1,2,4-Trichlorobenzene	0.393	0.329	0.050	16.4	30.0	
Naphthalene	1.089	0.980	0.050	10.0	30.0	
4-Chloroaniline	0.452	0.414	0.050	8.3	30.0	
Hexachlorobutadiene **	0.242	0.187	0.050	22.6	30.0	
4-Chloro-3-methylphenol **	0.404	0.322	0.050	20.2	30.0	
2-Methylnaphthalene	0.699	0.644	0.050	8.0	30.0	
Hexachlorocyclopentadiene *	0.321	0.302	0.050	6.0	30.0	
2,4,6-Trichlorophenol **	0.336	0.299	0.050	10.9	30.0	
2,4,5-Trichlorophenol	0.390	0.349	0.050	10.4	30.0	
2-Fluorobiphenyl	1.361	1.241	0.050	8.8	30.0	
2-Chloronaphthalene	1.179	1.113	0.050	5.6	30.0	
2-Nitroaniline	0.459	0.491	0.050	6.9	30.0	
Dimethyl phthalate	1.488	1.484	0.050	0.3	30.0	
2,6-Dinitrotoluene	0.337	0.360	0.050	7.1	30.0	
Acenaphthylene	1.685	1.667	0.050	1.1	30.0	
3-Nitroaniline	0.306	0.302	0.050	1.3	30.0	
Acenaphthene **	1.177	1.126	0.050	4.3	30.0	
2,4-Dinitrophenol *	0.147	0.169	0.050	14.8	30.0	
4-Nitrophenol *	0.321	0.243	0.050	24.1	30.0	
2,4-Dinitrotoluene	0.438	0.448	0.050	2.2	30.0	
Dibenzofuran	1.548	1.341	0.050	13.4	30.0	

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i
Lab File ID: BNA0101001.d
Analysis Type: WATER
Lab Sample ID:

Injection Date: 27-JUN-199o 15:35
Init. Calibration Date(s): 05/10/93 0o/14/9o
Init. Calibration Times: 11:35 12:12
Method File: /chem/msd3.i/3-0o279o.b/MA-BNA_2.m

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D	
4-Chlorophenyl phenyl ether	0.6011	0.501	0.0501	16.o	30.01	
Fluorene	1.2551	1.112	0.0501	11.4	30.01	
4-Nitroaniline	0.1851	0.231	0.0501	24.5	30.01	
4,6-Dinitro-2-methylphenol	0.1701	0.172	0.0501	1.2	30.01	
N-Nitrosodiphenylamine **	0.3041	0.352	0.0501	15.9	30.01	
1,2-Diphenylhydrazine	2.4401	2.499	0.0501	2.4	30.01	
2,4,6-Tribromophenol	0.2501	0.206	0.0501	17.4	30.01	
4-Bromophenyl phenyl ether	0.2701	0.247	0.0501	8.7	30.01	
Hexachlorobenzene	0.3351	0.294	0.0901	12.4	30.01	
Pentachlorophenol **	0.1811	0.143	0.0501	20.9	30.01	
Phenanthrene	1.1401	1.134	0.0901	0.5	30.01	
Anthracene	1.0891	1.072	0.0501	1.6	30.01	
Carbazole	0.2861	0.449	0.0501	56.9	30.01	<-
Di-n-butyl phthalate	1.8361	1.819	0.0901	0.9	30.01	
Fluoranthene **	1.2191	1.080	0.0501	11.4	30.01	
Pyrene	1.4681	1.504	0.0501	2.4	30.01	
Terphenyl-d14	0.9771	1.012	0.0501	3.6	30.01	
Butyl benzyl phthalate	0.9061	1.047	0.0901	15.5	30.01	
Dioctyl adipate	0.6451	0.752	0.0501	16.5	30.01	
3,3'-Dichlorobenzidine	0.1621	0.064	0.0501	60.4	30.01	<-
Bis(2-ethylhexyl) phthalate	1.2561	1.374	0.0501	9.4	30.01	
Benz(a)anthracene	1.2171	1.240	0.0501	1.9	30.01	
Chrysene	1.0461	1.068	0.0501	2.2	30.01	
Di-n-octyl phthalate **	2.6641	2.999	0.0501	12.6	30.01	
Benzo(b)fluoranthene	1.5151	1.555	0.0501	2.6	30.01	
Benzo(k)fluoranthene	1.3011	1.281	0.0501	1.5	30.01	
Benzo(a)pyrene **	1.2o71	1.293	0.0501	2.0	30.01	
Indeno(1,2,3-cd)pyrene	1.1981	1.122	0.0501	o.4	30.01	
Dibenz(a,h)anthracene	1.0841	1.067	0.0501	1.6	30.01	
Benzo(g,h,i)perylene	1.1611	1.064	0.0501	8.3	30.01	

EcoSys, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd3.1
Lab File ID: BNA0101001.d
Lab Sample ID:
Analysis Type: SV
Method File: /chem/msd3.1/3-0o2796.b/MA-BNA_2.m
Misc Info: CONT CAL 80UG/ML

Calibration Date: 0o/27/9o
Calibration Time: 1628
Sample Type: WATER
Level: LOW

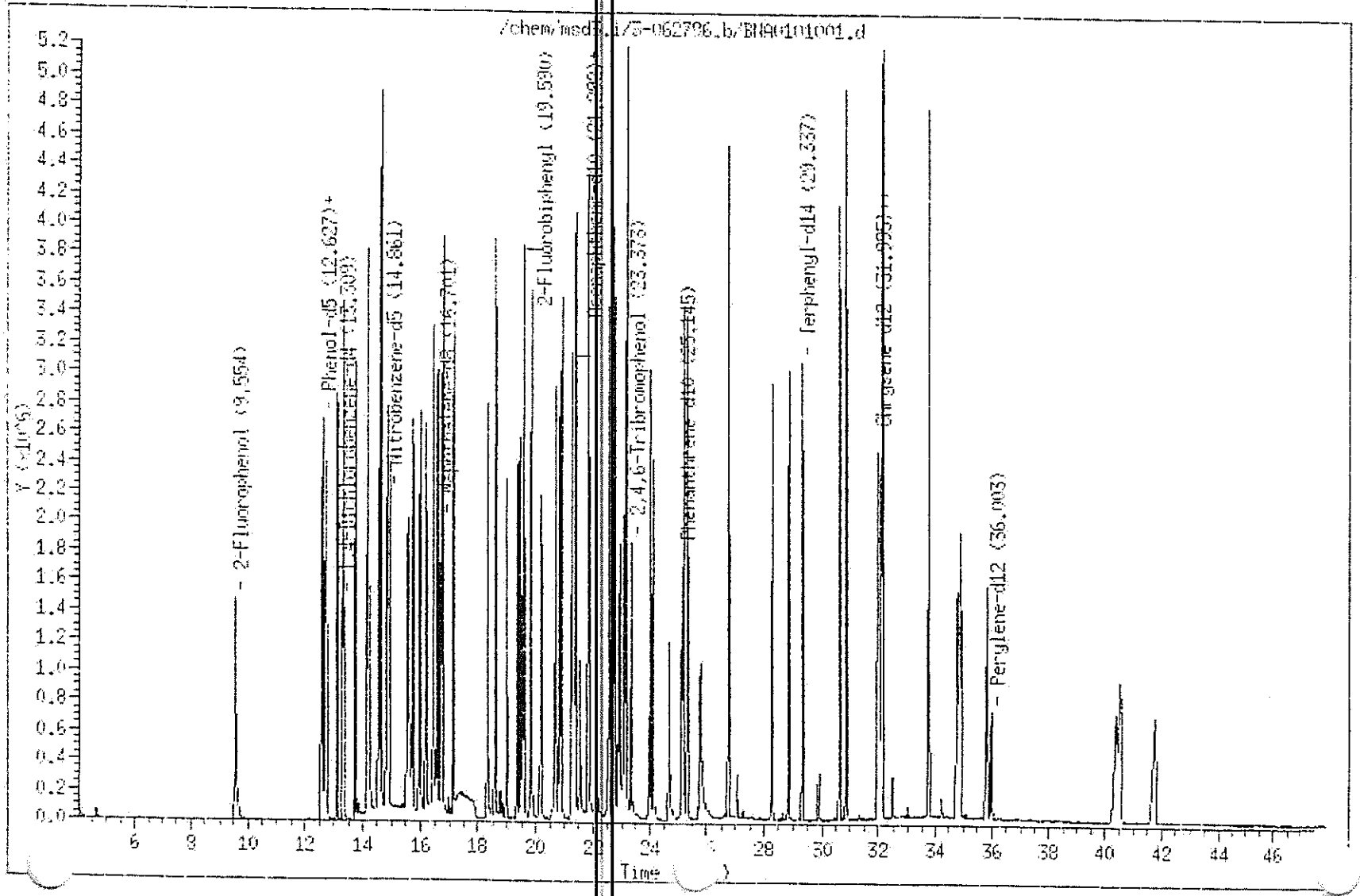
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	5489451	2744721	10978901	5489451	0.001
26 Naphthalene-d8	19187661	9593831	38375321	19187661	0.001
42 Acenaphthene-d10	11307741	5653871	22615481	11307741	0.001
59 Phenanthrene-d10	14992461	7496231	29984921	14992461	0.001
72 Chrysene-d12	11260631	5o30311	2252126	112o0631	0.001
78 Perylene-d12	922950	461475	1845900	922950	0.001

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	13.31	12.81	13.81	13.31	0.001
26 Naphthalene-d8	16.701	16.201	17.201	16.701	0.001
42 Acenaphthene-d10	21.291	20.791	21.791	21.291	0.001
59 Phenanthrene-d10	25.141	24.641	25.641	25.141	0.001
72 Chrysene-d12	32.021	31.521	32.521	32.021	0.001
78 Perylene-d12	36.001	35.501	36.501	36.001	0.001

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/3-062796.b/BNA0101001.d
Date : 27-JUN-1996 15:33
Instrument : msd3.i
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
4				
5				
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23				
24				

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				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

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	QC Limits 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

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

Lab Sample No.	S1 (2FP)	#	S2 (PHL)	#	S3 (NBZ)	#	S4 (FBP)	#	S5 (TBP)	#	S6 (TPH)	#	Total Out
AB34963 MTBLK	32		19		71		69		76		82		0
AB35002 LCS	36		23		71		70		76		80		0
AB35000 MS	21		13		44		43		64		69		0
AB35001 MSD	28		19		58		56		73		81		0

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:

SemiVolatile Surrogate Recovery (Water)

Lab Name: EcoSys, Inc. Client: ACE-SAD

Ledger No(s).: 107811 Level: Low

Batch No.(s): 0627960001

Lab Sample No.	S1 (2FP)	#	S2 (PHL)	#	S3 (NBZ)	#	S4 (FBP)	#	S5 (TBP)	#	S6 (TPH)	#	Total Out
AB35458 MBLK	32		20		72		61		76		85		0
AB34959 RE	13	*	10		53		40	*	36		56		2

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.

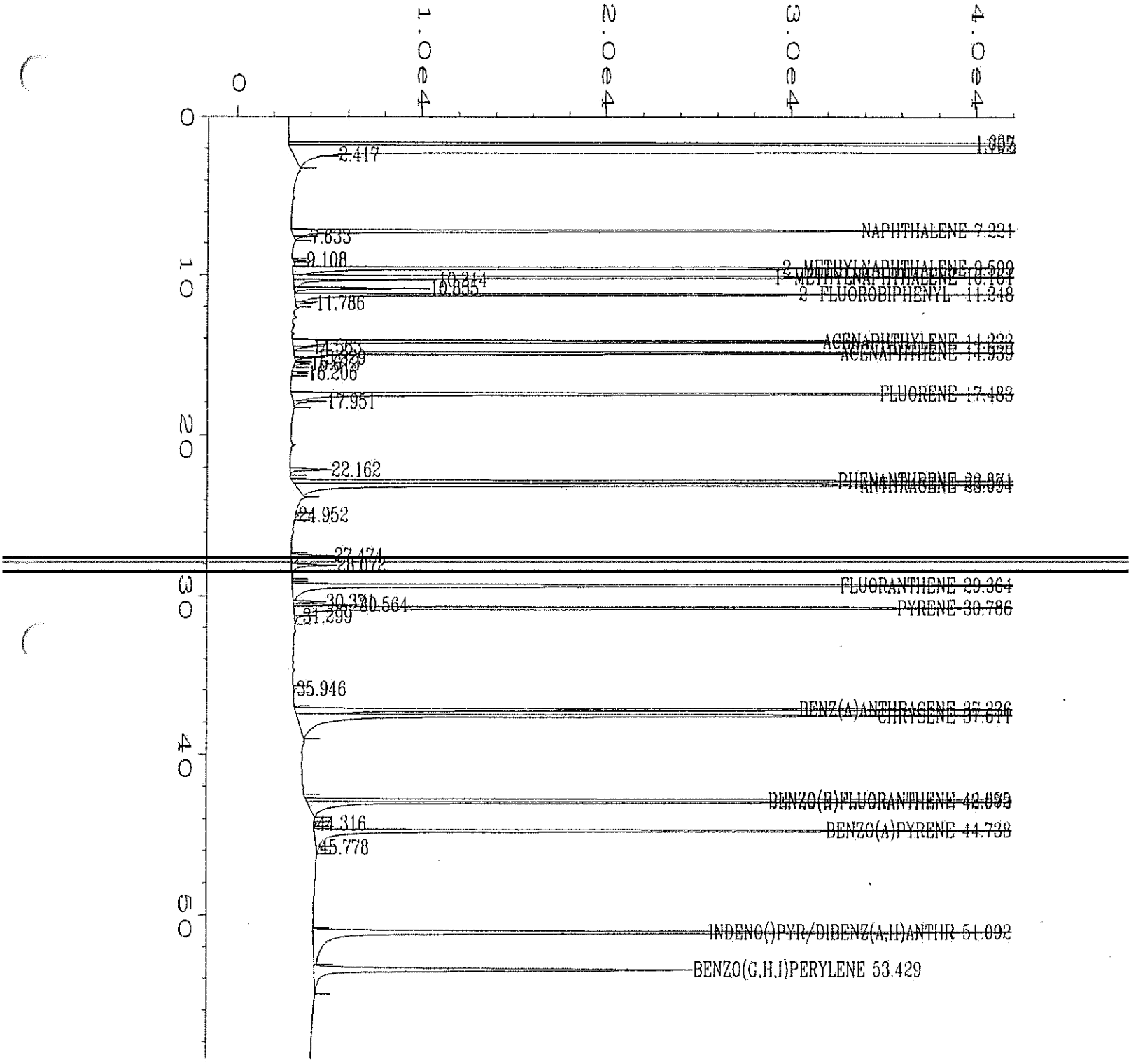
External Standard Report

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
1.738	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 *
.778	2929	VB	0.195		2928.684	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\PA062696\20626R02.D		
Operator	: Doug Anderson	Page Number	: 1
Instrument	: GC2	Vial Number	: 2
Sample Name	: 200 pah ccv	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jun 96 02:11 PM	Instrument Method	: P1053096.MTH
Report Created on	: 22 Jul 96 03:03 PM	Analysis Method	: P2053096.MTH
Last Recalib on	: 16 MAY 96 02:21 PM	Sample Amount	: 0
Multiplier	: 1	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
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

NA: Not Applicable

QA/QC Officer

Comments:

General Chemistry Method Blank Summary

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

Client: ACE-SAD
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				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

QA/QC Officer

Comments:

General Chemistry LCS/LCSD Recovery

Lab Name: EcoSys, Inc. Client: ACE-SAD

Ledger No(s): 107811

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	Date Sampled	Time Sampled
29329	241-T1-GW	96/06/19	17:05

Test Performed	Result	Units	Tested By	Test Date
AROMATIC VOLATILE ORGANICS	*		ECO	96/06/26
SEMIVOLATILE ORGANICS GC/MS	*		ECO	96/06/29

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis
Chemist

Lab #	Field ID	Date Sampled	Time Sampled
`330	TRIP BK #2	96/06/19	00:00

Test Performed	Result	Units	Tested By	Test Date
AROMATIC VOLATILE ORGANICS	*		ECO	96/06/26

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis

Blaise Willis
Chemist

Lab #	Field ID	Date Sampled	Time Sampled
331	243-T1-S1	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

eet 3 of 4

Lab #	Field ID	Date Sampled	Time Sampled
1332	TRIP BK #3	96/06/20	00:00

Test Performed	Result	Units	Tested By	Test Date
AROMATIC VOLATILE ORGANICS	*		ECO	96/06/26

*NOTE: See Attached

Sampled by District Personnel

Checked by: PT

Signed by:

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# 39459

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

1. Did cooler come with shipping slip? [M] yes [ ] no
If yes, enter Tracking Number here Greyhound 1511034272

2. Were custody seals on out side of cooler? [X] yes [ ] no
How many? 4 Date on seal(s) 6/19/96 Name on seal(s) unknown

3. Were custody seals unbroken upon receipt? [X] yes [ ] no

4. Did you screen sample(s) for "Radioactivity"? [X] yes [ ] no

5. Were custody papers filled out properly? (ink,signed,etc.,) [X] 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? [X] yes [ ] no

9. Were the sample containers sealed in separate plastic bags? [X] yes [ ] no

10. Were labels on containers in good condition and agree with Custody paper? [X] yes [ ] no

11. Were correct containers used for the test(s) indicated? [X] yes [ ] no

12. Were correct preservatives added to sample(s)? [X] yes [ ] no [ ] unk

13. Was a sufficient amount of sample sent for test? [X] yes [ ] no

14. Were bubbles absent in Volatile sample(s)? [ ] yes [X] 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: [X]soil [X]water [ ]other_____

SAMPLE ANALYSIS PERFORMED BY: ECOSYS TAT normal

COMMENTS: _____

17. Did you sign custody papers in the appropriate place? [M] yes [ ] no

LAB NUMBER(S): 29329-32

SIGNATURE: Becky Serbin

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
CHAIN OF CUSTODY RECORD

Page___of____

Project No.: #8101
Project Name: FT. STEWART
Samplers (Signature): [signatures]

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8080	8100	9071					Remarks:
243-TI-S1	6/20/96	10:05			TANKPIT	3	—	✓	✓	✓					These are soil samples
TRIP BK#3	6/20/96				D.I. WATER	2	HCl	✓							collected on 6/20/96 for
Temp. Vile	6/2?/96				"	1	—								Tank #243.

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
		Becky Siel - 0830 6/21/96			
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Remarks:
Relinquished by:	Date / Time	Received by:			

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
CHAIN OF CUSTODY RECORD

Project No. #8101.
Project Name: FT STEWART
Samplers (Signature): James L. Kennedy

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8020	8270					Remarks:
#241-T1-GW	6-19-96	17:05			TANK PIT	3	-	✓	✓					These are groundwater
TRIP BK #2	6-19-96					2	HCl	✓						samples collected on
TEMP. VILE	6-19-96					1	-							6-19-96. Tank #241.

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
James L. Kennedy	6/19/96 -	Betty [illegible] 0930 6/21/96			
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Remarks:
Relinquished by:	Date / Time	Received by:			

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

Organics Reference Data

BNA 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
[illegible]oranthene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
[illegible]orene	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
[illegible]achlorobutadiene	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
`.4-Trichlorobenzene	376.	U	1	ug/kg	6/28/96	6:17	G. Baun	8270B
,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
action, BNA,s	Completed			ug/kg	6/27/96	14:36	C.Bardwell	3550

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

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
GRO 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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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.

COPY 1

SPECIALIZED ASSAYS, INC.

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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

Samole 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
E ene QC	106.	70 - 130	Not Entered	0 - 20
Toluene QC	100.	70 - 130	Not Entered	0 - 20
l 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
Bis(2-chloroisopropyl)ether	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
4,6-Dinitro-2-methylphenol	830.	U	ug/kg	8270B
2,4-Dinitrophenol	830.	U	ug/kg	8270B
2,4-Dinitrotoluene	330.	U	ug/kg	8270B
2,6-Dinitrotoluene	330.	U	ug/kg	8270B
Di-n-octylphthalate	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
Fluoranthene	330.	U	ug/kg	8270B
Fluorene	330.	U	ug/kg	8270B
He chlorobenzene	330.	U	ug/kg	8270B
He hlorobutadiene	330.	U	ug/kg	8270B
Hexachlorocyclopentadiene	330.	U	ug/kg	8270B
H hloroethane	330.	U	ug/kg	8270B
io(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. Pauli

COPY 1

SPECIALIZED ASSAYS, INC.

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

PROJECT QUALITY CONTROL DATA

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 ***

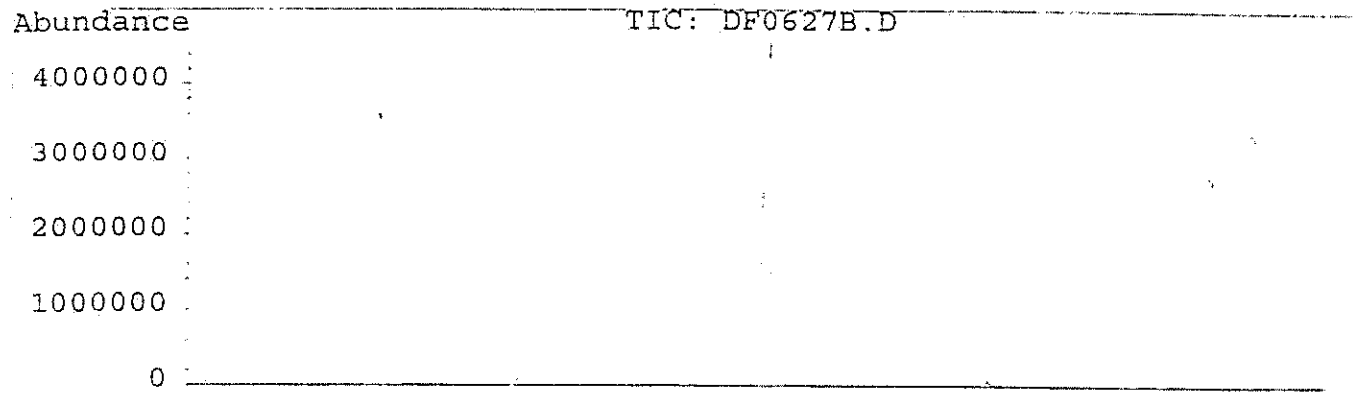
Compound	Result	Flag	Units	Method

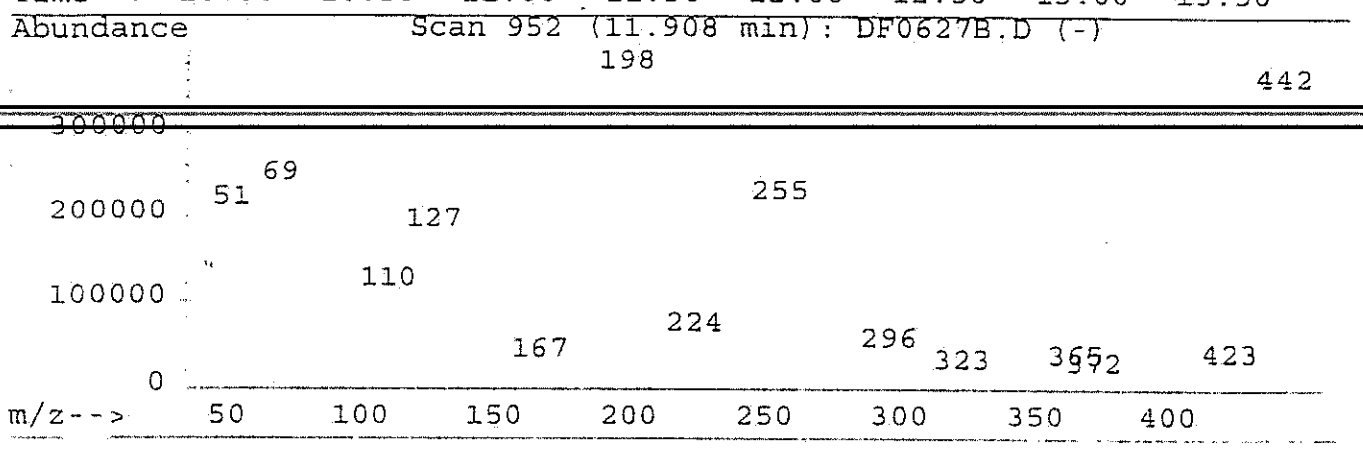
DFTPP

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		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
		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		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		2-Chloronaphthalene	1.121	1.168	-4.2	61	-0.02
40		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

[illegible]		[illegible]naphthene	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
4	IC	4-Nitrophenol	0.394	0.371	5.8	54	-0.03
50	T	Fluorene	1.350	1.515	-12.2	65	-0.03
[illegible]	T	4-Chlorophenyl-phenylether	0.642	0.765	-19.1	70	-0.02
[illegible]	T	Diethylphthalate	1.389	1.467	-5.7	62	-0.02
53	T	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
7[illegible]	[illegible]	3,3'-Dichlorobenzidine	0.422	0.475	-12.5	78	-0.05
73	T	Benzo[a]anthracene	1.146	1.093	4.6	64	-0.05
74	T	Chrysene	1.119	1.076	3.8	65	-0.04
[illegible]	[illegible]	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 SPCC's out = 0 CCC's out = 0

CC0624.D 8270.M Fri Jun 28 08:03:32 1996 HP-4

U.S. Army Corps of Engineers

Work Order # ______ Job # 3969

Chain of Custody Reco[rd]

(ER 1110-1-263)

TAT Regular

Proj. No.	Project Name Ft. Stewart
Sampler : (Signature)	46778

Date	Time	Pres.	Grab	Comp	Site Code/Sample Number	Number of Containers	M8020	M8240	418.1 TRPH				Remarks: SAD NO.	MATR[IX]
6/4/96	1205				#242-TL-SL	3	✓	✓	✓	96-A038067			99349	Soil
↓	—				TRIP BLANK	2	✓			96-A038068			99350	Water

Sampler Relinquished by:	Date/Time	Received by: (Sig.)	Date/Time	Hazards Associated with Samples
Relinquished by: (Sig.) [signature]	Date/Time 6/5/96	Received by: (Sig.)	Date/Time	96-A038069
Relinquished by: (Sig)	Date/Time	Received for Laboratory by: (Sig.) [signature]	Date/Time 6/6/96 0830	Remarks at time of receipt:
Custody Seal No.		Lab case No.:		

EN[G] For[m] [..]21-R, Oct 90

Pro[cur]ent: CEMP[...]

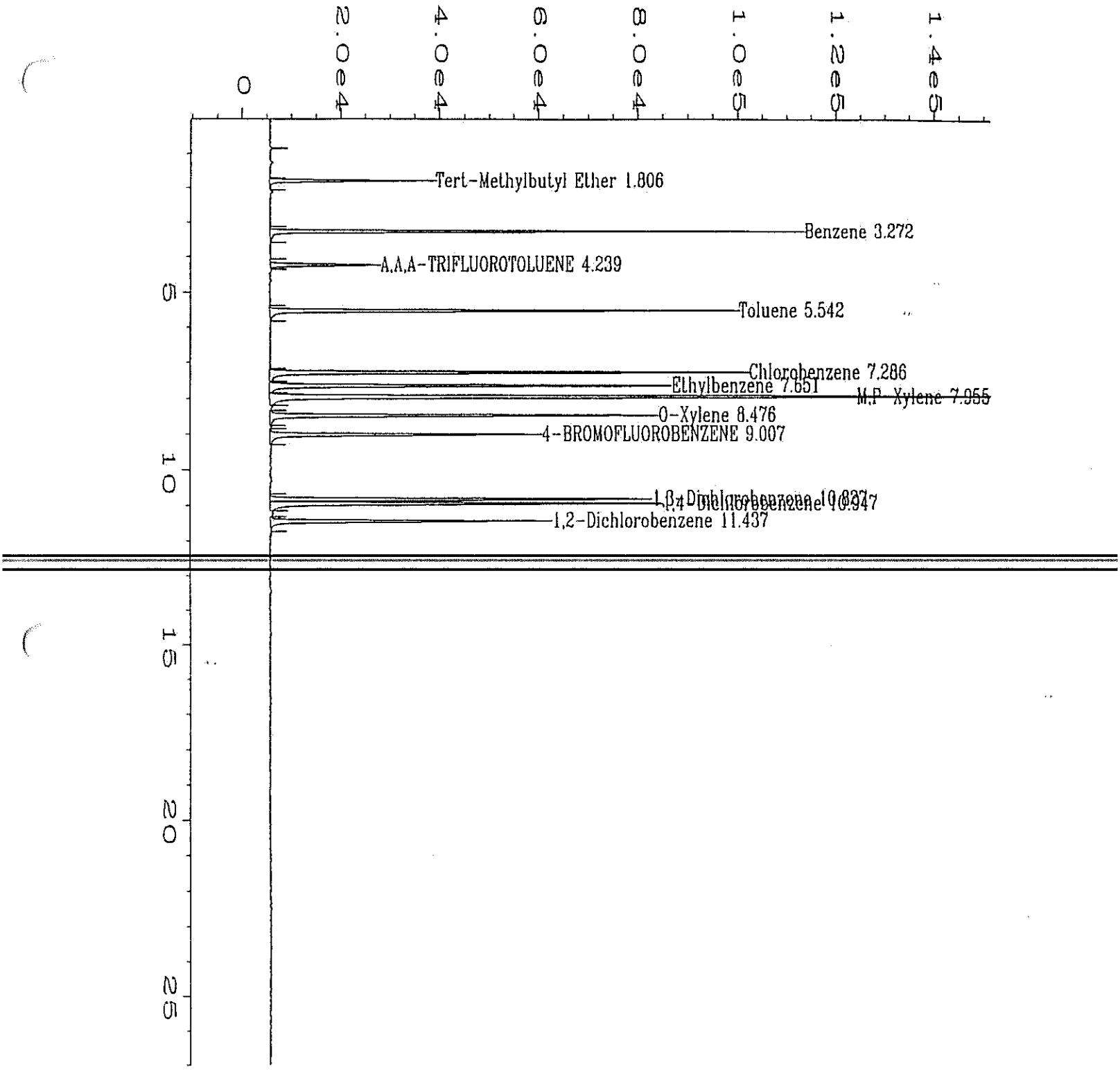
External Standard Report

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
[illegible].947	310741	VV	0.060	1	18.776	1,4-Dichlorobenzene
[illegible].437	222554	PV	0.061	1	18.576	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\2\DATA\b070896\60708F02.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	: 08 Jul 96 03:03 PM	Instrument Method	: 6B061396.MTH
Report Created on	: 08 Jul 96 03:30 PM	Analysis Method	: 6B061396.MTH
Last Recalib on	: 14 JUN 96 11:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:
Sample Info	: 16ppb surr		

BTEX Method Blank Summary

Lab Name: EcoSys, 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	QC Limits 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.	**Client:** ACE-SAD
Ledger No: 107849	**Laboratory Control Sample No:** AB35516
Batch No: 070896B	**Level (Low/Med):** Low
Lab File ID: 60708F04	

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 QC 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): 107849
Batch No.: 070896B **Matrix:** Soil
GC Column: DB-VXR **Level:** Low

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB35172 MBLK	95		100		0
AB35516 LCS	104		104		0
AB35517 MS	81		80		0
AB35518 MSD	75		72		0
AB35169	77		69		0
AB35170	94		896	*	1

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)

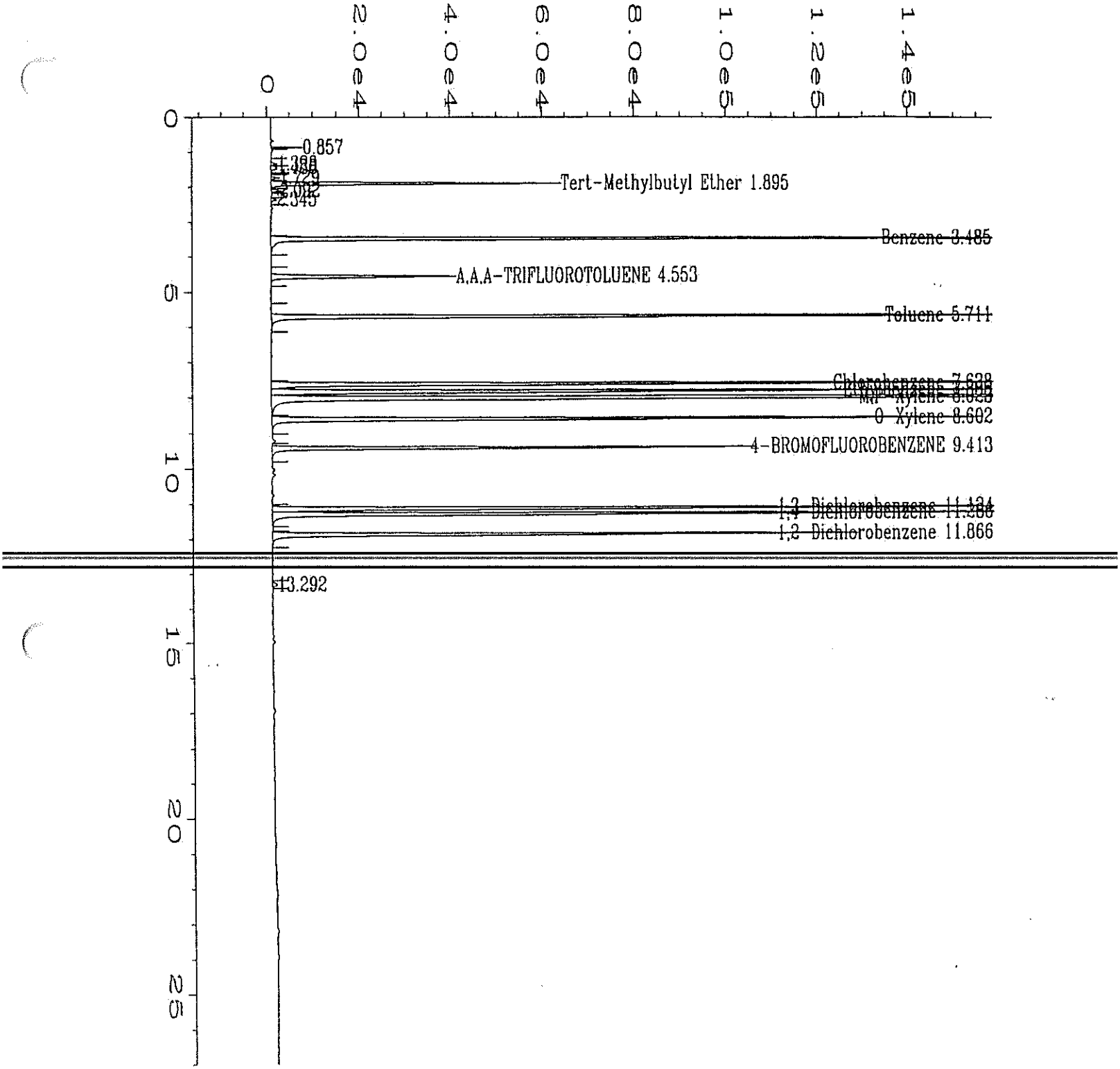
External Standard Report

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
[illegible].286	640201	VV	0.059	1	18.687	1,4-Dichlorobenzene
[illegible].866	487254	BB	0.060	1	20.458	1,2-Dichlorobenzene



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 07:13 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 :

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.		**Client:** ACE-SAD	
Ledger No: 107849		**Matrix Spike/Matrix Dup No.:** AB35568 MS	
Batch No: 070996B			AB35569 MSD
Lab File ID: 30709F05/30709F06			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 RPD	QC Limits Recovery
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.	**Client:** ACE-SAD
Ledger No: 107849	**Lab Control Spike:** AB35567
Batch No: 070996B	**Level (Low/Med):** Low
Lab File ID: 30709F04	

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	LCS Conc (ug/L)	LCS % 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. **Client:** ACE-SAD
Ledger No(s): 107849
Batch No.: 070996B **Matrix:** Water
GC Column: DB-VXR **Level:** Low

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB34173 MB	92		96		0
AB35567 LCS	95		102		0
AB35568 MS	87		90		0
AB35569 MSD	92		94		0
AB35171	87		90		0

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 SAD

Ledger No: 107849 DFTPP Injection Date: 7/8/96

Lab File ID: DFTPP070896 DFTPP Injection Time: 15:35

Instrument ID: MSD-3 Batch 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

EcoSys, Inc.

Data file : /chem/msd3.i/3-070896.b/dftpp070896.d
Lab. Id. : DFTPP02
Inj Date : 08-JUL-96 15:38 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/3-070896.b/dftpp288.m
Meth Date : 08-Jul-1996 14:25
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

(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (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

Q - Qualifier signal failed the ratio test.

EcoSys, Inc.

TARGET COMPOUNDS

Client Name:
Client Sample ID: DFTPP02
Sample Location:
Lab Sample ID: DFTPP02
Sample Type: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: INSTRUMENT TUNE FOR msd3.i

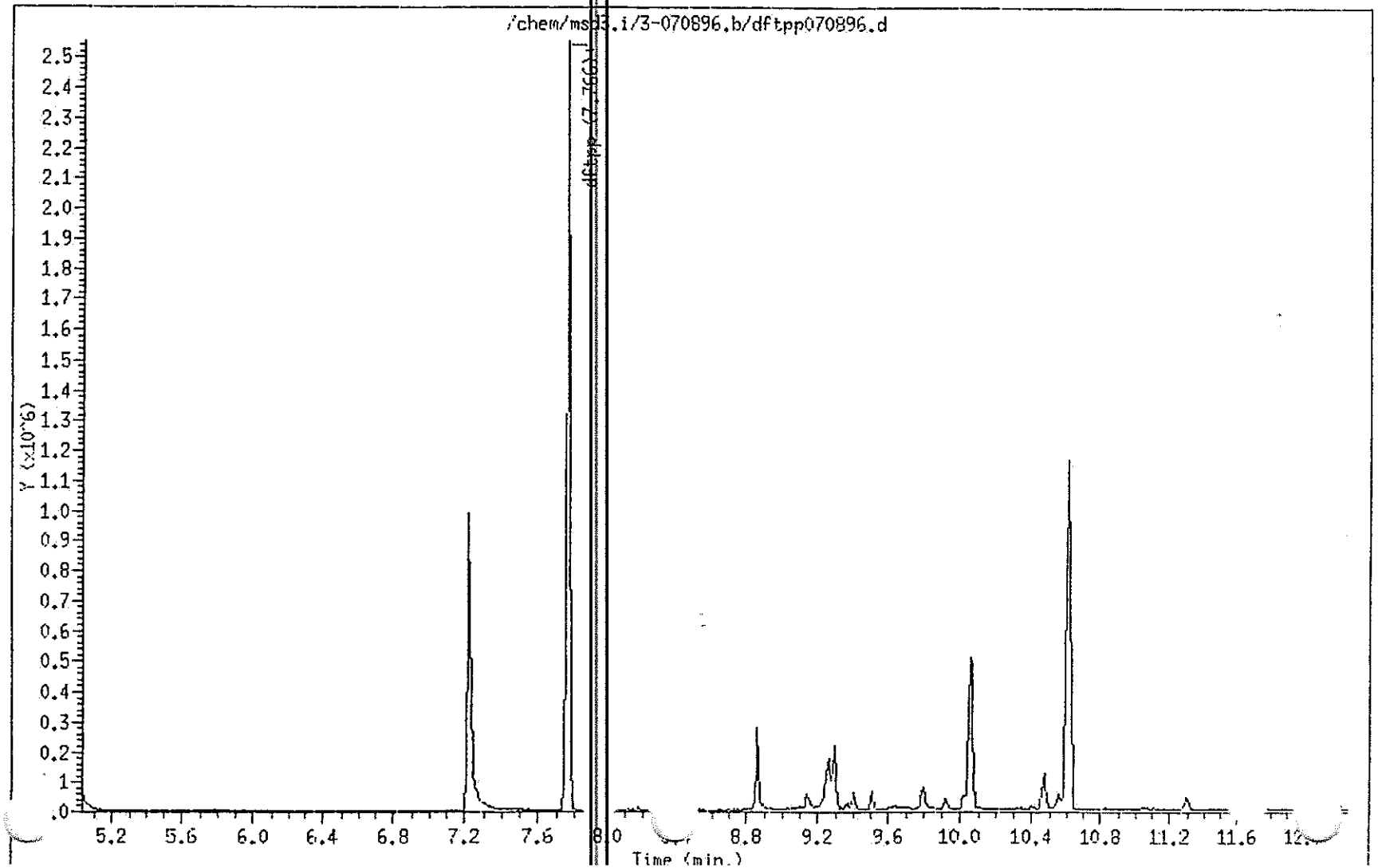
Client SDG: 3-070896.b
Sample Date:
Sample Point:
Date Received:

Level: LOW
Column Number: 1

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

Data File: /chem/msd3.i/3-070896.b/dftpp070896.d
Date : 08-JUL-96 15:38
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 2.00



File: /chem/msd3.i/3-070896.b/dftpp070896.d

Date : 08-JUL-96 15:38

Instrument : msd3.i

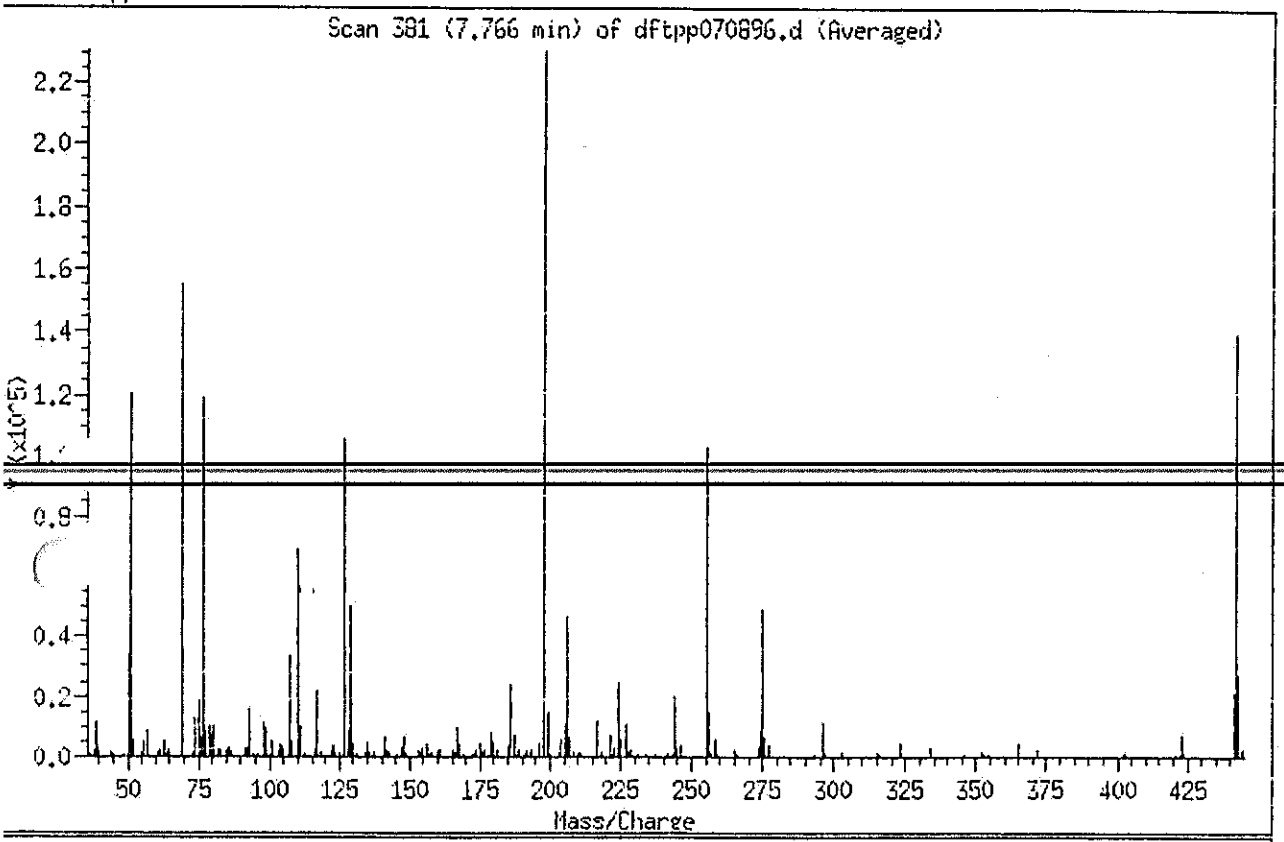
Sample ID : DFTPP02

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	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

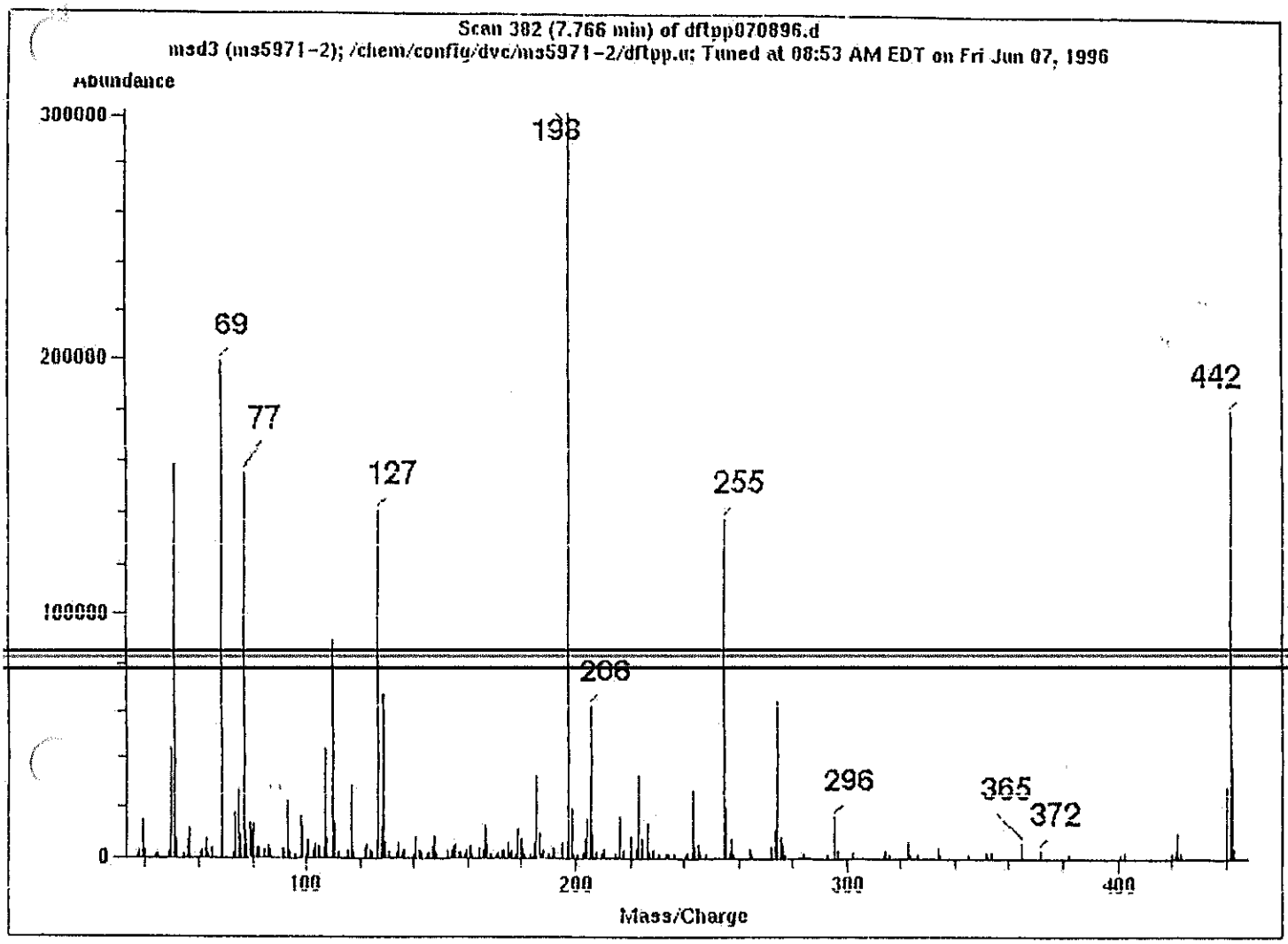
Spectrum: Scan 381-383 (7.766 min) Subtraction Scan 377
Base Peak: 198.00
Number of mass peaks: 190

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	102693
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	1403	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	7568
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	5239	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		



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

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
Misc Info : CONT CAL 80UG/ML
Comment :
Method : /chem/msd3.i/3-070896.b/MA-BNA_2.m
Meth Date : 09-Jul-1996 12:03 target
Cal Date : 08-JUL-96 15:56 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)	CONCENTRATIONS 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(M)
	19 Isophorone	82.00	15.404(0.934)	3639536	74.2	74.2(M)
	20 2-Nitrophenol **	139.00	15.553(0.943)	1031769	90.6	90.6
	21 -Dimethylphenol	107.00	15.898(0.964)	1539581	74.9	74.9
	22 ois(2-Chloroethoxy)methane	93.00	16.027(0.972)	2061380	78.5	78.5
	23 ? 4-Dichlorophenol **	162.00	16.313(0.989)	1133960	73.6	73.6
	zoic acid	105.00	16.581(0.000)	655502	52.7	52.7(AM)
	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(M)
	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

	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(M)
	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	21.116(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)	989388	83.9	83.9
	47 Dibenzofuran	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 4-Chlorophenyl phenyl ether	204.00	22.554(1.071)	1045526	64.6	64.6
	Fluorene	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(M)
	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(M)
$	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(AM)
	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 Benz(a)anthracene	228.00	31.748(0.999)	2836050	80.4	80.4(H)
$	72 Chrysene-d12	240.00	31.778(1.000)	1159388	40.0	
	73 Chrysene	228.00	31.858(1.003)	2483501	82.0	82.0
	74 Di-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(M)
	81 Benzo(g,h,i)perylene	276.00	41.117(1.154)	1821158	69.6	69.6(M)

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

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D	
2-Fluorophenol	1.161	1.240	0.050	6.8	30.0	
Phenol-d5	1.709	1.900	0.050	11.2	30.0	
Aniline	1.779	1.980	0.050	11.3	30.0	
Phenol **	1.767	1.810	0.050	2.4	30.0	
Bis(2-chloroethyl) ether	1.686	1.818	0.050	7.8	30.0	
2-Chlorophenol	1.245	1.201	0.050	3.6	30.0	
1,3-Dichlorobenzene	1.592	1.444	0.050	9.3	30.0	
,4-Dichlorobenzene **	1.622	1.447	0.050	10.8	30.0	
1,2-Dichlorobenzene	1.552	1.431	0.050	7.8	30.0	
Benzyl alcohol	1.503	1.239	0.050	17.5	30.0	
-Methylphenol	1.169	1.209	0.050	3.5	30.0	
Bis(2-chloroisopropyl) ether	1.987	2.445	0.050	23.1	30.0	
4-Methylphenol	1.199	1.233	0.050	2.8	30.0	
N-Nitrosodi-n-propylamine *	1.274	1.221	0.050	4.2	30.0	
Hexachloroethane	0.698	0.595	0.050	14.8	30.0	
Nitrobenzene-d5	0.579	0.555	0.050	4.3	30.0	
Nitrobenzene	0.539	0.524	0.050	2.8	30.0	
Isophorone	1.086	1.008	0.050	7.2	30.0	
2-Nitrophenol **	0.252	0.286	0.050	13.2	30.0	
2,4-Dimethylphenol	0.455	0.426	0.050	6.4	30.0	
Bis(2-Chloroethoxy)methane	0.581	0.571	0.050	1.9	30.0	
2,4-Dichlorophenol **	0.341	0.314	0.050	8.0	30.0	
Benzoic acid	0.276	0.181	0.010	34.2	30.0	<-
1,2,4-Trichlorobenzene	0.393	0.325	0.050	17.2	30.0	
Naphthalene	1.089	0.967	0.050	11.2	30.0	
4-Chloroaniline	0.452	0.382	0.050	15.4	30.0	
Hexachlorobutadiene **	0.242	0.190	0.050	21.7	30.0	
4-Chloro-3-methylphenol **	0.404	0.383	0.050	5.1	30.0	
2-Methylnaphthalene	0.699	0.661	0.050	5.5	30.0	
Hexachlorocyclopentadiene *	0.321	0.227	0.050	29.4	30.0	
2,4,6-Trichlorophenol **	0.336	0.292	0.050	13.1	30.0	
2,4,5-Trichlorophenol	0.390	0.322	0.050	17.4	30.0	
-Fluorobiphenyl	1.361	1.219	0.050	10.4	30.0	
2-Chloronaphthalene	1.179	1.098	0.050	6.9	30.0	
2-Nitroaniline	0.459	0.497	0.050	8.1	30.0	
imethyl phthalate	1.488	1.388	0.050	6.8	30.0	
2,6-Dinitrotoluene	0.337	0.329	0.050	2.4	30.0	
Acenaphthylene	1.685	1.627	0.050	3.5	30.0	
3-Nitroaniline	0.306	0.251	0.050	17.8	30.0	
Acenaphthene **	1.177	1.084	0.050	7.9	30.0	
2,4-Dinitrophenol *	0.147	0.135	0.050	8.5	30.0	
4-Nitrophenol *	0.321	0.248	0.050	22.7	30.0	

Diethyl phthalate	1.298	1.491	0.050	8.2	30.0

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

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i
Lab File ID: BNA0101001.d
Analysis Type: WATER
Lab Sample ID:

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

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D	
4-Chlorophenyl phenyl ether	0.601	0.486	0.050	19.2	30.0	
Fluorene	1.255	1.086	0.050	13.5	30.0	
4-Nitroaniline	0.185	0.150	0.050	19.1	30.0	
4,6-Dinitro-2-methylphenol	0.170	0.157	0.050	7.9	30.0	
N-Nitrosodiphenylamine **	0.304	0.382	0.050	25.9	30.0	
1,2-Diphenylhydrazine	2.440	2.517	0.050	3.1	30.0	
2,4,6-Tribromophenol	0.250	0.203	0.050	18.8	30.0	
4-Bromophenyl phenyl ether	0.270	0.243	0.050	10.3	30.0	
Hexachlorobenzene	0.335	0.289	0.050	14.0	30.0	
Pentachlorophenol **	0.181	0.129	0.050	28.7	30.0	
Phenanthrene	1.140	1.126	0.050	1.2	30.0	
Anthracene	1.089	1.115	0.050	2.4	30.0	
Carbazole	0.286	0.372	0.050	30.1	30.0	<-
Di-n-butyl phthalate	1.836	1.829	0.050	0.4	30.0	
Fluoranthene **	1.219	1.148	0.050	5.8	30.0	
Pyrene	1.468	1.442	0.050	1.8	30.0	
Terphenyl-d14	0.977	0.991	0.050	1.5	30.0	
Butyl benzyl phthalate	0.906	1.020	0.050	12.5	30.0	
Dioctyl adipate	0.645	0.722	0.050	11.8	30.0	
3,3'-Dichlorobenzidine	0.162	0.250	0.050	54.7	30.0	<-
Bis(2-ethylhexyl) phthalate	1.256	1.398	0.050	11.3	30.0	
Benz(a)anthracene	1.217	1.223	0.050	0.5	30.0	
Chrysene	1.046	1.071	0.050	2.4	30.0	
Di-n-octyl phthalate **	2.664	3.242	0.050	21.7	30.0	
Benzo(b)fluoranthene	1.515	1.559	0.050	2.9	30.0	
Benzo(k)fluoranthene	1.301	1.326	0.050	1.9	30.0	
Benzo(a)pyrene **	1.267	1.300	0.050	2.6	30.0	
Indeno(1,2,3-cd)pyrene	1.198	1.099	0.050	8.3	30.0	
Dibenz(a,h)anthracene	1.084	1.048	0.050	3.3	30.0	
Benzo(g,h,i)perylene	1.161	1.010	0.050	13.0	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: SV
Method File: /chem/msd3.i/3-070896.b/MA-BNA_2.m
Misc Info: CONT CAL 80UG/ML

Calibration Date: 07/08/96
Calibration Time: 1650
Sample Type: WATER
Level: LOW

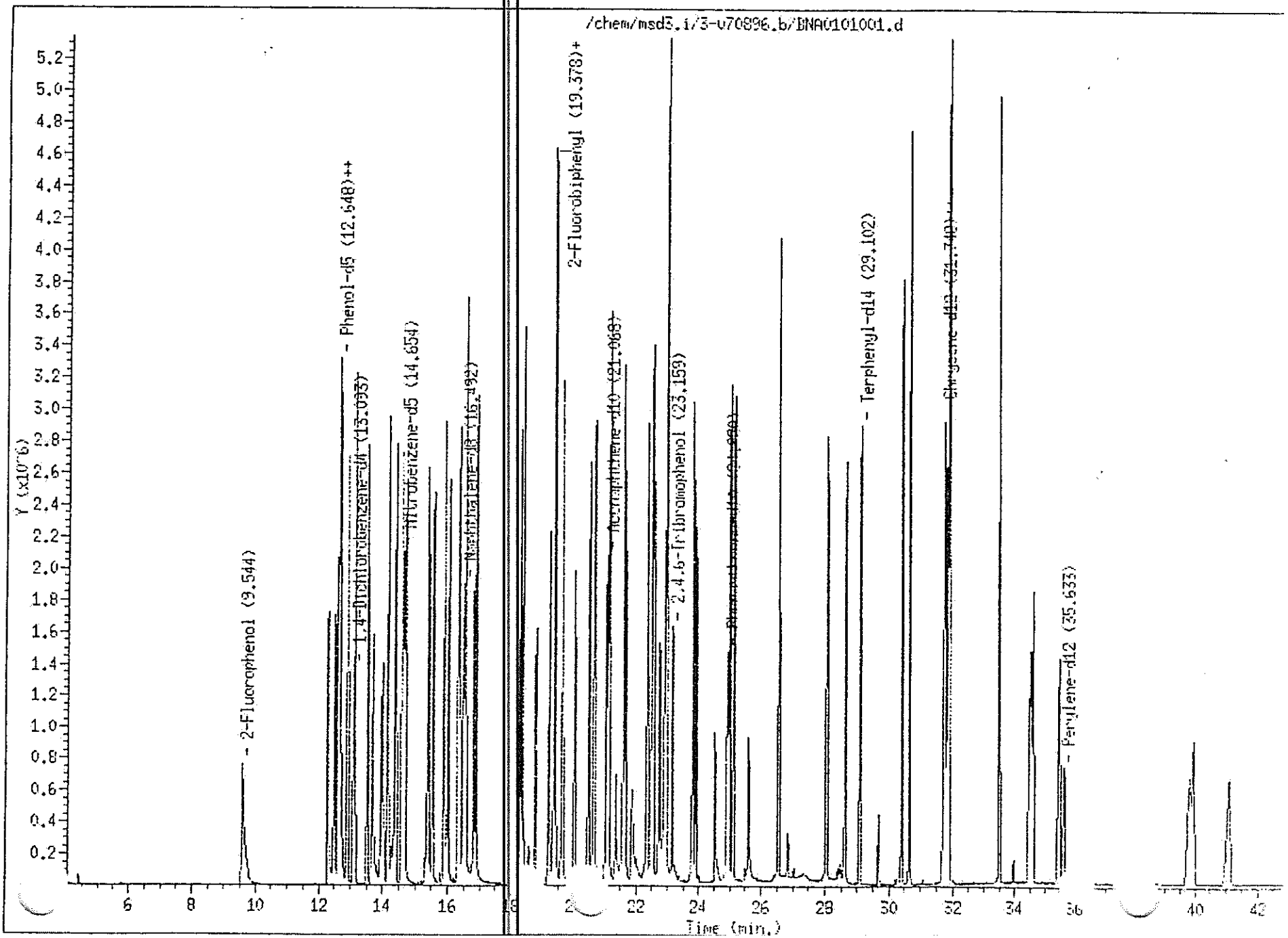
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	519526	259763	1039052	519526	0.00
26 Naphthalene-d8	1806193	903096	3612386	1806193	0.00
42 Acenaphthene-d10	1076415	538207	2152830	1076415	0.00
59 Phenanthrene-d10	1420019	710009	2840038	1420019	0.00
72 Chrysene-d12	1159389	579694	2318778	1159389	0.00
78 Perylene-d12	901663	450831	1803326	901663	0.00

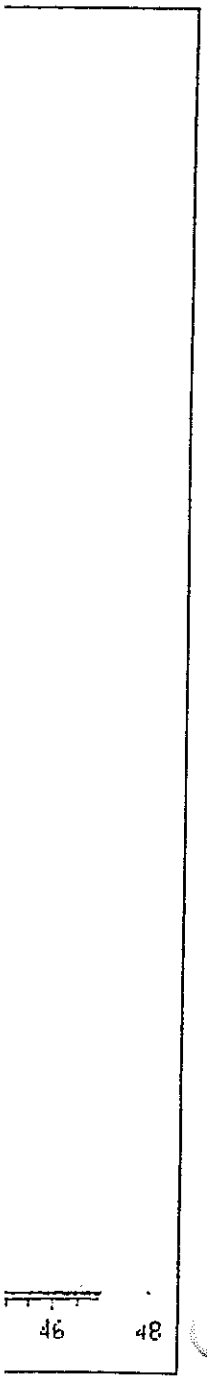
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	13.09	12.59	13.59	13.09	0.00
26 Naphthalene-d8	16.49	15.99	16.99	16.49	0.00
42 Acenaphthene-d10	21.07	20.57	21.57	21.07	0.00
59 Phenanthrene-d10	24.92	24.42	25.42	24.92	0.00
72 Chrysene-d12	31.78	31.28	32.28	31.78	0.00
78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

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/3-070896.b/BNA0101001.d
Date : 08-JUL-1996 15:56
Instrument : msd3.i
Sample ID :
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 0.20





040

SemiVolatile Method Blank Summary

Lab Name:	EcoSys, 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 Conc (ug/Kg)	MS Conc (ug/Kg)	MS % Recovery	#	QC Limits Recovery
Phenol	3330	ND	2040	61		26-90
2-Chlorophenol	3330	ND	2050	62		25-102
1,4-Dichlorobezene	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
Acenapthene	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 Conc (ug/Kg)	MSD % Recovery	#	% RPD	#	QC Limits RPD	QC Limits Recovery
Phenol	3330	1900	57		7		35	26-90
~~2-Chlorophenol~~	~~3330~~	~~1880~~	~~56~~		~~9~~		~~50~~	~~25-102~~
1,4-Dichlorobezene	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
Acenapthene	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 Conc (ug/Kg)	LCS Conc (ug/Kg)	LCS % Recovery	#	QC Limits Recovery
Phenol	3330	NR	2180	65		26-90
2-Chlorophenol	3330	NR	2110	63		25-102
1,4-Dichlorobezene	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
Acenapthene	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

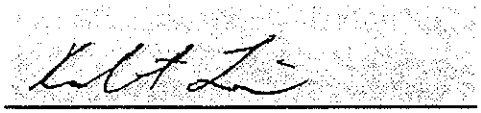
Lab Sample No.	S1 (2FP)	#	S2 (PHL)	#	S3 (NBZ)	#	S4 (FBP)	#	S5 (TBP)	#	S6 (TPH)	#	Total Out
AB35172 MB	63		69		65		70		64		84		0
AB35509 LCS	57		65		61		67		70		84		0
AB35510 MS	54		60		59		67		70		82		0
AB35511 MSD	50		55		53		58		62		77		0
AB35169	35		43		40		48		60		72		0
AB35170	51		59		55		61		64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

Sheet 1 of 2

L #	Field ID	Date Sampled	Time Sampled
[illegible]350	TRIP BLANK	96/06/24	00:00

Test Performed	Result	Units	Tested By	Test Date
AROMATIC VOLATILE ORGANICS	*		SPA	96/06/27

*NOTE: See Attached

Sampled by District Personnel

Checked by: BT

Signed by:

Blaise Willis

Blaise Willis
Chemist

[illegible]t 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: [illegible]

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

Coolers(s) opened by (print name) [illegible] (sign) [illegible]

1. Did cooler come with shipping slip? [✓] yes [ ] no
If yes, enter Tracking Number here 151 103 4283 (BUS)

2. Were custody seals on out side of cooler? [✓] yes [ ] no
How many? 4 Date on seal(s) 6/24/96 Name on seal(s) L.K.

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: 7°C

7. Describe cooler packing: [illegible]

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# _____

15. Numbers of days from sample date, samples received in Lab [illegible]

16. Number of Samples: 2 Sample Type: [✓]soil [ ]water [ ]other _____

SAMPLE ANALYSIS PERFORMED BY: [illegible] TAT [illegible]

COMMENTS: _____

17. Did you sign custody papers in the appropriate place? [✓] yes [ ] no

LAB NUMBER(S): 29349-50

SIGNATURE: [illegible]

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
CHAIN OF CUSTODY RECORD

Page 4 of 4

Project No.: #801

Project Name: FT. STEWART

Samplers (Signature): James L. Kennedy

WASTE OIL TANKS

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8020	8270	9073	Remarks:
#242-TT-S1	6/24/96	12:05			TANK PIT	3	—	✓	✓	✓	
TRIPBK-#4	6/24/96				D.I. WATER	2	HCl	✓			
Temp. Vile	6/24/96				"	1	—				

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
James L. Kennedy	6/24/96 15:40	[signature]			
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Remarks:
Relinquished by:	Date / Time	Received by:			

Temp 7°

ANDERSON COLUMBIA
ENVIRONMENTAL, INC.
CHAIN OF CUSTODY RECORD

Page 1 of 1

Project No.	Project Name
#8101.	FT. STEWART

Samplers (Signature)

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8080	8270	9073					Remarks:
#242-T1-S1	6/24/96	12:05			TAILPIPE	3	—	✓	✓	✓					Del # 3949
TRIP BK #4	6/24/96				D.I. WATER	2	HCl	✓							3949
Temp. Vile	6/24/96				"	1	—								50

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Amanda L. Brandy	6/24/96	[illegible]		6/25/96 0900	
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Remarks
Relinquished by:	Date / Time	Received by:			

ECOSYS

LABORATORY SERVICES

ANALYTICAL REPORT

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

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

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

Lab Sample ID	AB35169	**Client Site #**	29356
Project #	3972	**Client Sample #**	244-T1-S1
Project Name	FT. STEWART		
Sampling Date/Time	06/24/96 16:50		

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 0708S66661		
8270B	PHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	108-95-2	BS	07/08/96
8	BIS(2-CHLOROETHYL) ETHER	S06013	*Below MDL*	378	ug/Kg	1.0	111-44-4	BS	07/08/96
8	2-CHLOROPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	95-57-8	BS	07/08/96
8270B	1,3-DICHLOROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	541-73-1	BS	07/08/96
8270B	1,4-DICHLOROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	106-46-7	BS	07/08/96
8270B	1,2-DICHLOROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	95-50-1	BS	07/08/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	S06013	*Below MDL*	378	ug/Kg	1.0	108-60-1	BS	07/08/96
8270B	2-METHYLPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	95-48-7	BS	07/08/96
8270B	4-METHYLPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	106-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06013	*Below MDL*	378	ug/Kg	1.0	621-64-7	BS	07/08/96
8270B	HEXACHLOROETHANE	S06013	*Below MDL*	378	ug/Kg	1.0	67-72-1	BS	07/08/96
8270B	NITROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	98-95-3	BS	07/08/96
8270B	ISOPHORONE	S06013	*Below MDL*	378	ug/Kg	1.0	78-59-1	BS	07/08/96
8270B	2-NITROPHENOL	S06013	*Below MDL*	757	ug/Kg	1.0	88-75-5	BS	07/08/96
8270B	2,4-DIMETHYLPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	105-67-9	BS	07/08/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06013	*Below MDL*	378	ug/Kg	1.0	111-91-1	BS	07/08/96
8270B	2,4-DICHLOROPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	120-83-2	BS	07/08/96
8270B	1,2,4-TRICHLOROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	120-82-1	BS	07/08/96
8270B	NAPHTHALENE	S06013	*Below MDL*	378	ug/Kg	1.0	91-20-3	BS	07/08/96
8270B	4-CHLOROANILINE	S06013	*Below MDL*	378	ug/Kg	1.0	106-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	S06013	*Below MDL*	378	ug/Kg	1.0	87-68-3	BS	07/08/96
82	4-CHLORO-3-METHYLPHENOL	S06013	*Below MDL*	757	ug/Kg	1.0	59-50-7	BS	07/08/96
82	2-METHYLNAPHTHALENE	S06013	*Below MDL*	378	ug/Kg	1.0	91-57-6	BS	07/08/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06013	*Below MDL*	378	ug/Kg	1.0	77-47-4	BS	07/08/96
8	2,4,6-TRICHLOROPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	88-06-2	BS	07/08/96
82	2,4,5-TRICHLOROPHENOL	S06013	*Below MDL*	378	ug/Kg	1.0	95-95-4	BS	07/08/96
8270B	2-CHLORONAPHTHALENE	S06013	*Below MDL*	378	ug/Kg	1.0	91-58-7	BS	07/08/96

Lab Sample ID AB35169 **Client Site #** 29356

Project # 3972 **Client Sample #** 244-T1-S1

Pl : Name FT. STEWART

Sampling Date/Time 06/24/96 16:50

D	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	2-NITROANILINE	S06013	*Below MDL*	378	ug/Kg	1.0	88-74-4	BS	07/08/96
8270B	DIMETHYL PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	131-11-3	BS	07/08/96
8270B	ACENAPHTHYLENE	S06013	*Below MDL*	378	ug/Kg	1.0	208-96-8	BS	07/08/96
8270B	2,6-DINITROTOLUENE	S06013	*Below MDL*	378	ug/Kg	1.0	606-20-2	BS	07/08/96
8270B	3-NITROANILINE	S06013	*Below MDL*	378	ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	S06013	*Below MDL*	378	ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	S06013	*Below MDL*	1892	ug/Kg	1.0	51-28-5	BS	07/08/96
8270B	4-NITROPHENOL	S06013	*Below MDL*	1892	ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	S06013	*Below MDL*	378	ug/Kg	1.0	132-64-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	S06013	*Below MDL*	378	ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	84-66-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	*Below MDL*	378	ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	S06013	*Below MDL*	378	ug/Kg	1.0	86-73-7	BS	07/08/96
8270B	4-NITROANILINE	S06013	*Below MDL*	378	ug/Kg	1.0	100-01-6	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	*Below MDL*	1892	ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	S06013	*Below MDL*	378	ug/Kg	1.0	86-30-6	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	*Below MDL*	378	ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	S06013	*Below MDL*	378	ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	S06013	*Below MDL*	1892	ug/Kg	1.0	87-86-5	BS	07/08/96
8270B	PHENANTHRENE	S06013	*Below MDL*	378	ug/Kg	1.0	85-01-8	BS	07/08/96
8270B	ANTHRACENE	S06013	*Below MDL*	378	ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	84-74-2	BS	07/08/96
8270B	FLUORANTHENE	S06013	*Below MDL*	378	ug/Kg	1.0	206-44-0	BS	07/08/96
8270B	PYRENE	S06013	*Below MDL*	378	ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	85-68-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	S06013	*Below MDL*	757	ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	S06013	*Below MDL*	378	ug/Kg	1.0	56-55-3	BS	07/08/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	S06013	*Below MDL*	378	ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	S06013	*Below MDL*	378	ug/Kg	1.0	117-84-0	BS	07/08/96
8270B	BENZO(B)FLUORANTHENE	S06013	*Below MDL*	378	ug/Kg	1.0	205-99-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	S06013	*Below MDL*	378	ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	S06013	*Below MDL*	378	ug/Kg	1.0	50-32-8	BS	07/08/96
8270B	INDENO(1,2,3-CD)PYRENE	S06013	*Below MDL*	378	ug/Kg	1.0	193-39-5	BS	07/08/96
8270B	DIBENZO(A,H)ANTHRACENE	S06013	*Below MDL*	378	ug/Kg	1.0	53-70-3	BS	07/08/96
8270B	BENZO(G,H,I)PERYLENE	S06013	*Below MDL*	378	ug/Kg	1.0	191-24-2	BS	07/08/96
8270B	2-FLUOROPHENOL (SURR)	S06013	*35*	%	REC	1.0	367-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	S06013	*43*	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	S06013	*40*	%	REC	1.0	4165-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	S06013	*48*	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	S06013	*60*	%	REC	1.0	118-79-6	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	S06013	*72*	%	REC	1.0	1718-51-0	BS	07/08/96
8270B	CARBAZOLE	S06013	*Below MDL*	378	ug/Kg	1.0	86-74-8	BS	07/08/96
BTEX (GC) SOIL				Prep Date 07/08/96			Batch 070896B		

Lab Sample ID AB35169 **Client Site #** 29356
Project # 3972 **Client Sample #** 244-T1-S1
P t Name FT. STEWART
Sampling Date/Time 06/24/96 16:50

METHOD	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	S08006	*Below MDL*	1.1	ug/Kg	1.0	71-43-2	DTA	07/08/96
8020A	TOLUENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	108-88-3	DTA	07/08/96
8020A	ETHYLBENZENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	100-41-4	DTA	07/08/96
8020A	XYLENES (TOTAL)	S08006	*Below MDL*	1.1	ug/Kg	1.0	1330-20-7	DTA	07/08/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	S08006	*77*	%	REC	1.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	S08006	*69*	%	REC	1.0	460-00-4	DTA	07/08/96
8020A	CHLOROBENZENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	108-90-7	DTA	07/08/96
8020A	1,2-DICHLOROBENZENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	95-50-1	DTA	07/08/96
8020A	1,3-DICHLOROBENZENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	541-73-1	DTA	07/08/96
8020A	1,4-DICHLOROBENZENE	S08006	*Below MDL*	1.1	ug/Kg	1.0	106-46-7	DTA	07/08/96
8020A	TERT-METHYLBUTYL ETHER	S08006	*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		
T	% TOTAL SOLIDS SOIL (N/C)	09099	*87.2*	0.1	%	1.0		MN	07/03/96

L ample ID AB35170 **Client Site #** 29357
Project # 3972 **Client Sample #** 261-T1-S1
Project Name FT. STEWART
Sampling Date/Time 06/25/96 16:30

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	S06013	*Below MDL*	379	ug/Kg	1.0	108-95-2	BS	07/08/96
8270B	BIS(2-CHLOROETHYL) ETHER	S06013	*Below MDL*	379	ug/Kg	1.0	111-44-4	BS	07/08/96
8270B	2-CHLOROPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	95-57-8	BS	07/08/96
8270B	1,3-DICHLOROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	541-73-1	BS	07/08/96
8270B	1,4-DICHLOROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	106-46-7	BS	07/08/96
8270B	1,2-DICHLOROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	95-50-1	BS	07/08/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	S06013	*Below MDL*	379	ug/Kg	1.0	108-60-1	BS	07/08/96
8270B	2-METHYLPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	95-48-7	BS	07/08/96
8270B	4-METHYLPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	106-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06013	*Below MDL*	379	ug/Kg	1.0	621-64-7	BS	07/08/96
8	HEXACHLOROETHANE	S06013	*Below MDL*	379	ug/Kg	1.0	67-72-1	BS	07/08/96
8270B	NITROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	98-95-3	BS	07/08/96
82	ISOPHORONE	S06013	*Below MDL*	379	ug/Kg	1.0	78-59-1	BS	07/08/96
8	2-NITROPHENOL	S06013	*Below MDL*	759	ug/Kg	1.0	88-75-5	BS	07/08/96
8270B	2,4-DIMETHYLPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	105-67-9	BS	07/08/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06013	*Below MDL*	379	ug/Kg	1.0	111-91-1	BS	07/08/96

Lab Sample ID AB35170 **Client Site #** 29357

Project # 3972 **Client Sample #** 261-T1-S1

P : Name FT. STEWART

Sampling Date/Time 06/25/96 16:30

ID	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	2,4-DICHLOROPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	120-83-2	BS	07/08/96
8270B	1,2,4-TRICHLOROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	120-82-1	BS	07/08/96
8270B	NAPHTHALENE	S06013	*Below MDL*	379	ug/Kg	1.0	91-20-3	BS	07/08/96
8270B	4-CHLOROANILINE	S06013	*Below MDL*	379	ug/Kg	1.0	106-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	S06013	*Below MDL*	379	ug/Kg	1.0	87-68-3	BS	07/08/96
8270B	4-CHLORO-3-METHYLPHENOL	S06013	*Below MDL*	759	ug/Kg	1.0	59-50-7	BS	07/08/96
8270B	2-METHYLNAPHTHALENE	S06013	*517*	379	ug/Kg	1.0	91-57-6	BS	07/08/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06013	*Below MDL*	379	ug/Kg	1.0	77-47-4	BS	07/08/96
8270B	2,4,6-TRICHLOROPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	88-06-2	BS	07/08/96
8270B	2,4,5-TRICHLOROPHENOL	S06013	*Below MDL*	379	ug/Kg	1.0	95-95-4	BS	07/08/96
8270B	2-CHLORONAPHTHALENE	S06013	*Below MDL*	379	ug/Kg	1.0	91-58-7	BS	07/08/96
8270B	2-NITROANILINE	S06013	*Below MDL*	379	ug/Kg	1.0	88-74-4	BS	07/08/96
8270B	DIMETHYL PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	131-11-3	BS	07/08/96
8270B	ACENAPHTHYLENE	S06013	*Below MDL*	379	ug/Kg	1.0	208-96-8	BS	07/08/96
8270B	2,6-DINITROTOLUENE	S06013	*Below MDL*	379	ug/Kg	1.0	606-20-2	BS	07/08/96
8	3-NITROANILINE	S06013	*Below MDL*	379	ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	S06013	*Below MDL*	379	ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	S06013	*Below MDL*	1897	ug/Kg	1.0	51-28-5	BS	07/08/96
	4-NITROPHENOL	S06013	*Below MDL*	1897	ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	S06013	*Below MDL*	379	ug/Kg	1.0	132-64-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	S06013	*Below MDL*	379	ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	84-66-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	*Below MDL*	379	ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	S06013	*Below MDL*	379	ug/Kg	1.0	86-73-7	BS	07/08/96
8270B	4-NITROANILINE	S06013	*Below MDL*	379	ug/Kg	1.0	100-01-6	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	*Below MDL*	1897	ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	S06013	*Below MDL*	379	ug/Kg	1.0	86-30-6	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	*Below MDL*	379	ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	S06013	*Below MDL*	379	ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	S06013	*Below MDL*	1897	ug/Kg	1.0	87-86-5	BS	07/08/96
8270B	PHENANTHRENE	S06013	*Below MDL*	379	ug/Kg	1.0	85-01-8	BS	07/08/96
8270B	ANTHRACENE	S06013	*Below MDL*	379	ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	84-74-2	BS	07/08/96
8270B	FLUORANTHENE	S06013	*Below MDL*	379	ug/Kg	1.0	206-44-0	BS	07/08/96
8270B	PYRENE	S06013	*Below MDL*	379	ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	85-68-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	S06013	*Below MDL*	759	ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	S06013	*Below MDL*	379	ug/Kg	1.0	56-55-3	BS	07/08/96
8	BIS(2-ETHYLHEXYL) PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	S06013	*Below MDL*	379	ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	S06013	*Below MDL*	379	ug/Kg	1.0	117-84-0	BS	07/08/96
	BENZO(B)FLUORANTHENE	S06013	*Below MDL*	379	ug/Kg	1.0	205-99-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	S06013	*Below MDL*	379	ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	S06013	*Below MDL*	379	ug/Kg	1.0	50-32-8	BS	07/08/96

Lab Sample ID AB35170 **Client Site #** 29357
Project # 3972 **Client Sample #** 261-T1-S1
P Name FT. STEWART
Sampling Date/Time 06/25/96 16:30

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	INDENO(1,2,3-CD)PYRENE	S06013	*Below MDL*	379	ug/Kg	1.0	193-39-5	BS	07/08/96
8270B	DIBENZO(A,H)ANTHRACENE	S06013	*Below MDL*	379	ug/Kg	1.0	53-70-3	BS	07/08/96
8270B	BENZO(G,H,I)PERYLENE	S06013	*Below MDL*	379	ug/Kg	1.0	191-24-2	BS	07/08/96
8270B	2-FLUOROPHENOL (SURR)	S06013	*51*	%	REC	1.0	367-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	S06013	*59*	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	S06013	*55*	%	REC	1.0	4165-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	S06013	*61*	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	S06013	*64*	%	REC	1.0	118-79-6	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	S06013	*78*	%	REC	1.0	1718-51-0	BS	07/08/96
8270B	CARBAZOLE	S06013	*Below MDL*	379	ug/Kg	1.0	86-74-8	BS	07/08/96
BTEX (GC) SOIL				**Prep Date** 07/08/96			**Batch** 070896B		
8020A	BENZENE	S08006	*Below MDL*	11.5	ug/Kg	10.0	71-43-2	DTA	07/08/96
8020A	TOLUENE	S08006	*69*	11.5	ug/Kg	10.0	108-88-3	DTA	07/08/96
8020A	ETHYLBENZENE	S08006	*414*	11.5	ug/Kg	10.0	100-41-4	DTA	07/08/96
8020A	XYLENES (TOTAL)	S08006	*1667*	11.5	ug/Kg	10.0	1330-20-7	DTA	07/08/96
8L	A,A,A-TRIFLUOROTOLUENE (SURR)	S08006	*94*	%	REC	10.0	98-08-8	DTA	07/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	S08006	*896*	%	REC	10.0	460-00-4	DTA	07/08/96
8[illegible]	CHLOROBENZENE	S08006	*Below MDL*	11.5	ug/Kg	10.0	108-90-7	DTA	07/08/96
8[illegible]	1,2-DICHLOROBENZENE	S08006	*Below MDL*	11.5	ug/Kg	10.0	95-50-1	DTA	07/08/96
8020A	1,3-DICHLOROBENZENE	S08006	*Below MDL*	11.5	ug/Kg	10.0	541-73-1	DTA	07/08/96
8020A	1,4-DICHLOROBENZENE	S08006	*Below MDL*	11.5	ug/Kg	10.0	106-46-7	DTA	07/08/96
8020A	TERT-METHYLBUTYL ETHER	S08006	*40*	11.5	ug/Kg	10.0	1634-04-4	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 **Client Site #** 29358
Project # 3972 **Client Sample #** TRIP BLANK
Project 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		
8L	BENZENE	S08106	*Below MDL*	1.0	ug/L	1.0	71-43-2	DTA	07/09/96
8020A	TOLUENE	S08106	*Below MDL*	1.0	ug/L	1.0	108-88-8	DTA	07/09/96
8[illegible]	ETHYLBENZENE	S08106	*Below MDL*	1.0	ug/L	1.0	100-41-4	DTA	07/09/96
8[illegible]	XYLENES (TOTAL)	S08106	*Below MDL*	1.0	ug/L	1.0	1330-20-7	DTA	07/09/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	S08106	*87*	%	REC	1.0	98-08-8	DTA	07/09/96
8020A	4-BROMOFLUOROBENZENE (SURR)	S08106	*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	106-46-7	DTA	07/09/96
8020A	TERT-METHYLBUTYL ETHER	$08106	*Below MDL*	1.0	ug/L	1.0	1634-04-4	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		
~~8270B~~	~~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	106-46-7	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	108-60-1	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	106-44-5	BS	07/08/96
8270B	N-NITROSODI-N-PROPYLAMINE	$06013	*Below MDL*	330	ug/Kg	1.0	621-64-7	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	105-67-9	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	106-47-8	BS	07/08/96
8270B	HEXACHLOROBUTADIENE	$06013	*Below MDL*	330	ug/Kg	1.0	87-68-3	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	91-57-6	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	88-06-2	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 **Client Site #**

Project # 3972 **Client Sample #** METHOD BLANK SOIL

P . Name FT. STEWART

Sampling Date/Time / / :

M.. ..D	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	S06013	*Below MDL*	330	ug/Kg	1.0	606-20-2	BS	07/08/96
8270B	3-NITROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	99-09-2	BS	07/08/96
8270B	ACENAPHTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	83-32-9	BS	07/08/96
8270B	2,4-DINITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	51-28-5	BS	07/08/96
8270B	4-NITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	100-02-7	BS	07/08/96
8270B	DIBENZOFURAN	S06013	*Below MDL*	330	ug/Kg	1.0	132-64-9	BS	07/08/96
8270B	2,4-DINITROTOLUENE	S06013	*Below MDL*	330	ug/Kg	1.0	121-14-2	BS	07/08/96
8270B	DIETHYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	84-66-2	BS	07/08/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	*Below MDL*	330	ug/Kg	1.0	7005-72-3	BS	07/08/96
8270B	FLUORENE	S06013	*Below MDL*	330	ug/Kg	1.0	86-73-7	BS	07/08/96
8270B	4-NITROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	100-01-6	BS	07/08/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	534-52-1	BS	07/08/96
8270B	N-NITROSODIPHENYLAMINE	S06013	*Below MDL*	330	ug/Kg	1.0	86-30-6	BS	07/08/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	*Below MDL*	330	ug/Kg	1.0	101-55-3	BS	07/08/96
8270B	HEXACHLOROBENZENE	S06013	*Below MDL*	330	ug/Kg	1.0	118-74-1	BS	07/08/96
8270B	PENTACHLOROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	87-86-5	BS	07/08/96
82..	PHENANTHRENE	S06013	*Below MDL*	330	ug/Kg	1.0	85-01-8	BS	07/08/96
8..	ANTHRACENE	S06013	*Below MDL*	330	ug/Kg	1.0	120-12-7	BS	07/08/96
8270B	DI-N-BUTYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	84-74-2	BS	07/08/96
8	FLUORANTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	206-44-0	BS	07/08/96
82.0B	PYRENE	S06013	*Below MDL*	330	ug/Kg	1.0	129-00-0	BS	07/08/96
8270B	BUTYL BENZYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	85-68-7	BS	07/08/96
8270B	3,3'-DICHLOROBENZIDINE	S06013	*Below MDL*	660	ug/Kg	1.0	91-94-1	BS	07/08/96
8270B	BENZO(A)ANTHRACENE	S06013	*Below MDL*	330	ug/Kg	1.0	56-55-3	BS	07/08/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	117-81-7	BS	07/08/96
8270B	CHRYSENE	S06013	*Below MDL*	330	ug/Kg	1.0	218-01-9	BS	07/08/96
8270B	DI-N-OCTYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	117-84-0	BS	07/08/96
8270B	BENZO(B)FLUORANTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	205-99-2	BS	07/08/96
8270B	BENZO(K)FLUORANTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	207-08-9	BS	07/08/96
8270B	BENZO(A)PYRENE	S06013	*Below MDL*	330	ug/Kg	1.0	50-32-8	BS	07/08/96
8270B	INDENO(1,2,3-CD)PYRENE	S06013	*Below MDL*	330	ug/Kg	1.0	193-39-5	BS	07/08/96
8270B	DIBENZO(A,H)ANTHRACENE	S06013	*Below MDL*	330	ug/Kg	1.0	53-70-3	BS	07/08/96
8270B	BENZO(G,H,I)PERYLENE	S06013	*Below MDL*	330	ug/Kg	1.0	191-24-2	BS	07/08/96
8270B	2-FLUOROPHENOL (SURR)	S06013	*63*	%	REC	1.0	367-12-4	BS	07/08/96
8270B	PHENOL-D5 (SURR)	S06013	*69*	%	REC	1.0	13127-88-3	BS	07/08/96
8270B	NITROBENZENE-D5 (SURR)	S06013	*65*	%	REC	1.0	4165-60-0	BS	07/08/96
8270B	2-FLUOROBIPHENYL (SURR)	S06013	*70*	%	REC	1.0	321-60-8	BS	07/08/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	S06013	*64*	%	REC	1.0	118-79-6	BS	07/08/96
8270B	TERPHENYL-D14 (SURR)	S06013	*84*	%	REC	1.0	1718-51-0	BS	07/08/96
82..	CARBAZOLE	S06013	*Below MDL*	330	ug/Kg	1.0	86-74-8	BS	07/08/96
BT.. ..GC) SOIL				**Prep Date** 07/08/96			**Batch** 070896B		
8	BENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	71-43-2	DTA	07/08/96
80..A	TOLUENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	108-88-3	DTA	07/08/96
8020A	ETHYLBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	100-41-4	DTA	07/08/96
8020A	XYLENES (TOTAL)	S08006	*Below MDL*	1.0	ug/Kg	1.0	1330-20-7	DTA	07/08/96

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

M) ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) SOIL			Prep Date 07/08/96			Batch 070896B		
8020A A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*95*		% REC	1.0	98-08-8	DTA	07/08/96
8020A 4-BROMOFLUOROBENZENE (SURR)	$08006	*100*		% REC	1.0	460-00-4	DTA	07/08/96
8020A CHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	108-90-7	DTA	07/08/96
8020A 1,2-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	95-50-1	DTA	07/08/96
8020A 1,3-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	541-73-1	DTA	07/08/96
8020A 1,4-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	106-46-7	DTA	07/08/96
8020A TERT-METHYLBUTYL ETHER	$08006	*Below MDL*	1.0	ug/Kg	1.0	1634-04-4	DTA	07/08/96
			Prep Date 07/04/96			Batch 070496		
9071A TRPH SOIL	08041	*Below MDL*	10.0	mg/Kg	1.0		ML	07/05/96

Lab Sample ID AB35173 **Client Site #**
Project # 3972 **Client Sample #** METHOD BLANK WATER
Project Name FT. STEWART
Sampling Date/Time / / :

METHOD ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTE ;) WATER			Prep Date 07/09/96			Batch 070996B		
802UA BENZENE	$08106	*Below MDL*	1.0	ug/L	1.0	71-43-2	DTA	07/09/96
8020A TOLUENE	$08106	*Below MDL*	1.0	ug/L	1.0	108-88-8	DTA	07/09/96
8020A ETHYLBENZENE	$08106	*Below MDL*	1.0	ug/L	1.0	100-41-4	DTA	07/09/96
8020A XYLENES (TOTAL)	$08106	*Below MDL*	1.0	ug/L	1.0	1330-20-7	DTA	07/09/96
8020A A,A,A-TRIFLUOROTOLUENE (SURR)	$08106	*92*		% REC	1.0	98-08-8	DTA	07/09/96
8020A 4-BROMOFLUOROBENZENE (SURR)	$08106	*96*		% REC	1.0	460-00-4	DTA	07/09/96
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	106-46-7	DTA	07/09/96
8020A TERT-METHYLBUTYL ETHER	$08106	*Below MDL*	1.0	ug/L	1.0	1634-04-4	DTA	07/09/96

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

MF) ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL			Prep Date 07/08/96			Batch 0708960001		
82 2-FLUOROPHENOL (SURR)	$06013	*57*		% REC	1.0	367-12-4	BS	07/08/96
827 PHENOL-D5 (SURR)	$06013	*65*		% REC	1.0	13127-88-3	BS	07/08/96
8270B 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
P. 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	118-79-6	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	367-12-4	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	4165-60-0	BS	07/08/96
8.	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	118-79-6	BS	07/08/96
8	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	367-12-4	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	4165-60-0	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	118-79-6	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
BTEX (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	460-00-4	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
BTEX (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	460-00-4	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
BTEX (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	460-00-4	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
BTEX (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	460-00-4	DTA	07/09/96

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

M) ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER			Prep Date 07/09/96			Batch 070996B		
8020A A,A,A-TRIFLUOROTOLUENE (SURR)	$08106	*87*		% REC	1.0	98-08-8	DTA	07/09/96
8020A 4-BROMOFLUOROBENZENE (SURR)	$08106	*90*		% REC	1.0	460-00-4	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 Factor	CAS #	ANALYST	DATE OF ANALYSIS
BTEX (GC) WATER			Prep Date 07/09/96			Batch 070996B		
8020A A,A,A-TRIFLUOROTOLUENE (SURR)	$08106	*92*		% REC	1.0	98-08-8	DTA	07/09/96
8020A 4-BROMOFLUOROBENZENE (SURR)	$08106	*94*		% REC	1.0	460-00-4	DTA	07/09/96

Certifying Scientist

Or ind Inorganics in Wastewater, Solids, and Wastes
NC NR 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-0001011008	S-3966	58-188334	

U.S. Ar orps of Engineers Work Order # 79 Job # 3972 **Chain of Custc F corc**
(ER 1110-1-263)

Proj. No. | Project Name: Ft Stewart | TAT 14day

Sampler : (Signature) Robert Ward

Date	Time	Pres.	Grab	Comp	Site Code/Sample Number	Number of Containers	8020	8270	9073					Remarks: Due 7/8 SAD NO.	MATRIX
06/24/96	1650				244-TI-SI	3	✓	✓	✓					29356 AB35169	Soil
06/25/96	1630				261-TI-SI	3	✓	✓	✓					29357 AB35170	Soil
06/25/96	—				Trip BLK	2	✓							29358 AB35171	Water
					method Blank soil		X	X	X					AB35172	
					method Blank water		X							AB35173	

Sampler Relinquished by: [signature]	Date/Time 06/27/96 1100	Received by: (Sig.)	Date/Time	Hazards Associated with Samples
Relinquished by: (Sig.)	Date/Time	Received by: (Sig.)	Date/Time	
Relinquished by: (Sig)	Date/Time	Received for Laboratory by: (Sig.) [signature]	Date/Time 6/28 ~~9:45~~ 10:31 BA	Remarks at time of receipt:
Custody Seal No.		Lab case No.: 107849		

ENG Form 5021-R, Oct 90 — ICE OK — Proponent: CEMP-RT

TAB 9

MANIFESTS

241

REYNOLDS CONSTRUCTION COMPANY

Highway 84 • P. O. Box 749
Ludowici, Georgia 31316
Office (912) 368-7488 • Plant (912) 876-8085

Date _____ 19__ Load No. 2

Triple R. Mgmt — Pcs Soil
Customer — Description

RRR-104
Project Number

Ft. Stewart — Liberty
Location — County

42,580 Net
21100 lb Net tare
00 lb Tare
21100 lb+ Gross
11:03 AM AU 12 96

63680 lb Net
00 lb Tare
63680 lb+ Gross
10:56 AM AU 12 96

Signature of Weigher

TONS: 21.29 TOTAL TONS: 41.69

Hendrix — 48
TRUCKER — TRUCK NO.

Purcell Sampler
DRIVER — TICKET NO. 58819

VIP-1518-HV

48

NON-HAZARDOUS WASTE MANIFEST

Manifest Document No. 8002

1. Page 1 of 1

2. Generator's Name and Mailing Address
Ft. Stewart
Hinesville, GA 31313

3. Generator's Phone (912) 234-6579

4. Transporter 1 Company Name
Hendricks Hauling

5. Transporter 2 Company Name

6. Designated Facility Name and Site Address
Triple K Management, Inc.
Reynolds Constr Co.
c/o
Rt. 84
Ludowici, GA 31316

A. Transporter's Phone
B. Transporter's Phone 912-427-6758
C. Facility's Phone 912-756-3655

7. Waste Shipping Name and Description	8. Containers No.	8. Containers Type	9. Total Quantity	10. Unit Wt/Vol
a. Petroleum Contaminated Soil	1	TT	18.00	CY
b.				
c.				
d.				

GENERATOR

J. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

11. Special Handling Instructions and Additional Information

8101

Tank #241

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

Printed/Typed Name: Tom C. Fry | Signature: Tom C. Fry | Month: 08 | Day: 06 | Year: 9

TRANSPORTER

13. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Russell Samples | Signature: Russell Samples | Month: 08 | Day: 12 | Year: 96

14. Transporter 2 Acknowledgement of Receipt of Materials

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

FACI

15. Discrepancy Indication Space

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

Printed/Typed Name: Charles Pruitt | Signature: Charles Pruitt | Month: 08 | Day: 12 | Year: 96

ORIGINAL – RETURN TO GENERATOR

241

REYNOLDS CONSTRUCTION COMPANY

Highway 84 • P. O. Box 749
Ludowici, Georgia 31316
Office (912) 368-7488 • Plant (912) 876-8085

Date 11 19 Load No. 05

Customer Triple "R" Mgt. Description PCS

Project Number RRR 104

Location Ft. Stewart County Liberty

39140 Net

23400 lb Net fore
00 lb Tare
23400 lbt Gross
11:26 AM AU 12 96

62540 lb Net
00 lb Tare
62540 lbt Gross
11:20 AM AU 12 96

Signature of Weigher

TONS: 19.57 TOTAL TONS: 105.40

Hendrix TRUCKER 32 TRUCK NO.

Jerry Sloan DRIVER TICKET NO. 58824

VIP-1518-HV

NON-HAZARDOUS WASTE MANIFEST

Manifest Document No. 0·0·0·0·4

1. Page 1 of 1

2. Generator's Name and Mailing Address
Ft. Stewart
Hinesville, GA 31313

3. Generator's Phone (912) 234-6579

4. Transporter 1 Company Name
Hendricks Hauling

5. Transporter 2 Company Name

6. Designated Facility Name and Site Address
Temple Management, Inc.
C/o Reynolds Constr Co.
Rt. 84
Ludowici, GA 31316

A. Transporter's Phone

B. Transporter's Phone 912-427-675

C. Facility's Phone
912-756-3655

7. Waste Shipping Name and Description	8. Containers No.	8. Containers Type	9. Total Quantity	10. Unit Wt/Vol
a. Petroleum Contaminated Soil	1	TT	18.00	CY
b.				
c.				
d.				

GENERATOR

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

11. Special Handling Instructions and Additional Information

8101

Tank #241

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

Printed/Typed Name	Signature	Month	Day	Year
Tom C. Fry	Tom C. Fry	08	06	96

TRANSPORTER

13. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jerry A Sloan	Jerry A Sloan	08	12	96

14. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

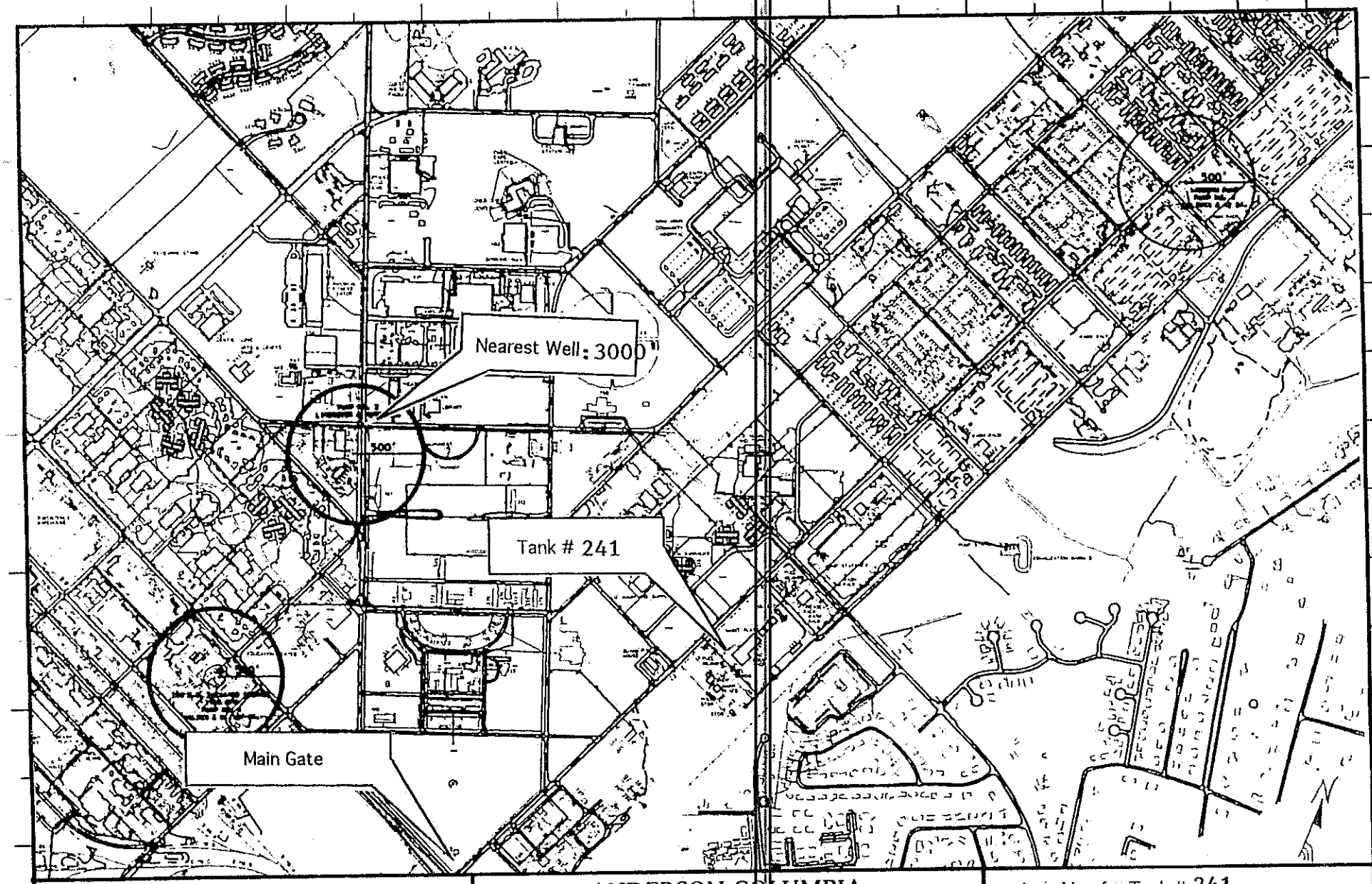
FACILITY

15. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Charles Pruitt	Charles Pruitt	08	12	96

ORIGINAL – RETURN TO GENERATOR



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 # 241
Fort Stewart
Hinesville, Georgia

DRAWING NO.: FIGURE 1