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

CLOSURE REPORT

WASTE OIL TANK
BUILDING 1339, TANK 94C
FACILITY ID NUMBER: 9-089110
FT. STEWART, GEORGIA

PREPARED BY:

ANDERSON COLUMBIA ENVIRONMENTAL, INC.

NOVEMBER 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

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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 1339		
Street Address:	FAC 1339		
	Ft. Stewart	GA	31314-5000
	(city)	(state)	(zip code)
Facility ID#	9-089110		

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: D. Black Date: 11/11/96

4. Site-specific Hydrogeology:

Depth to Groundwater _____ ft. if encountered

[X] 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: See Tab 5
- North Arrow

6. Tank Removal

- Date of Removal: 29-Jul-96
- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
94C	1000	Waste 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 [X] Other No release

9. Excavation and Treatment/Disposal of Contaminated Soil:

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

_____ Tons OR _____ yd^3

[X] Not Applicable

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

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

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

SEE TAB 7, 10

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

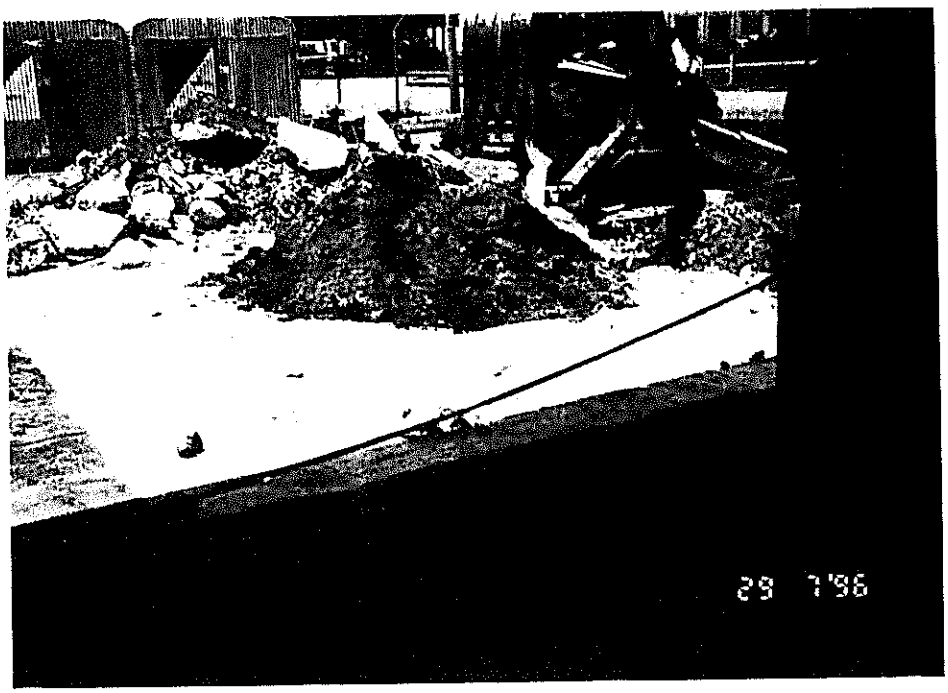


Photo 1. Concrete over Tank 94C being removed.

Photo 2. The bottom of the tank pit.

Photo 3. The exterior of Tank 94C being cleaned.

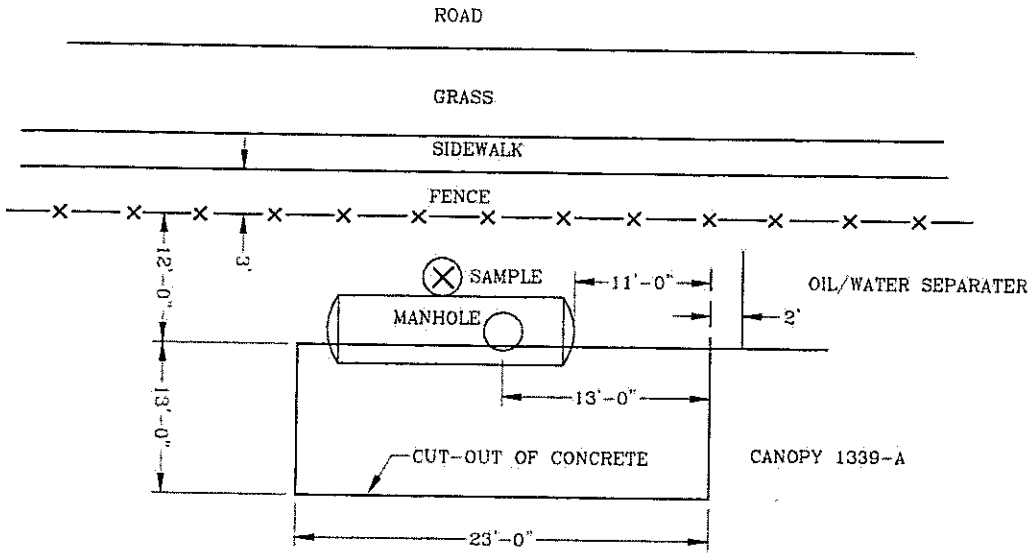
TAB 5

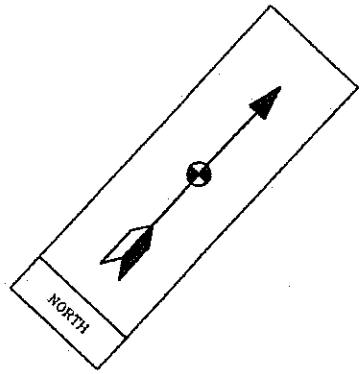
SITE MAPS

Headspace Analyses

Instrument: _____ **Serial #:** _____
Source: _____ **Temp:** _____
PID Correlation: **50 ppm**

Sample	Depth	PID	FID	Methane	VOA





LEGEND/REF. DRWG.'S

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

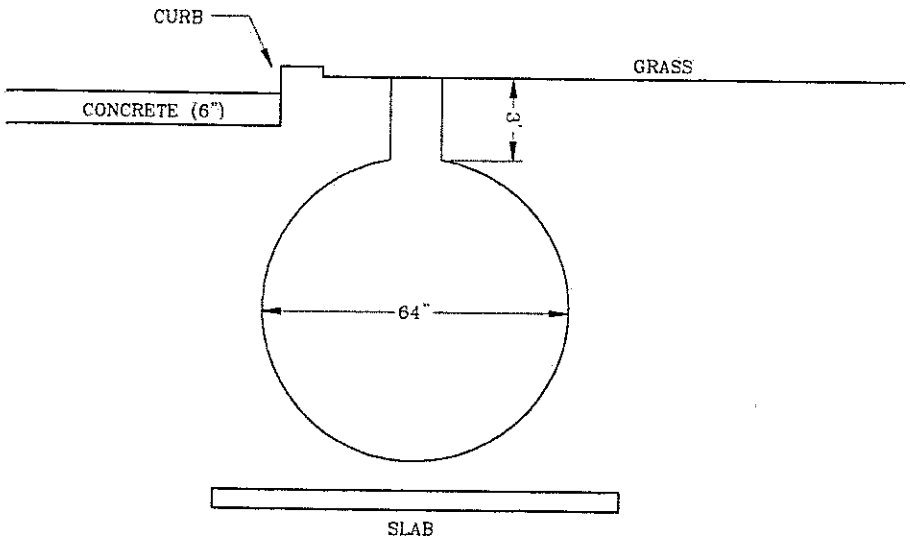
DR. N.A.M. CH'D _____ DR. APP. _____
ENGR. _____ ENGR.'S DEPT. _____
DATE 11-6-96 SCALE N.T.S.

JOB #8101 FT. STEWART, GA
LOCATION: Building 1339
TANK #94C

Headspace Analyses

Instrument: _____ **Serial #:** _____
Source: _____ **Temp:** _____
PID Correlation: **50 ppm**

Sample	Depth	PID	FID	Methane	VOA



LEGEND/REF. DRWG.'S

CROSS SECTION
TANK DIMENSIONS: 6' X 64"
EXCAVATION SIZE: 10' X 12' 8' DEEP

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

DR. N.A.M. CH'D _____ DR. APP. _____
ENGR. _____ ENGR.'S DEPT. _____
DATE 11-6-96 SCALE N.T.S.

JOB #8101 FT. STEWART, GA
LOCATION: Building 1339
TANK #94C

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: 9-089110

OWNER'S ID: 197

INITIAL DATE RECEIVED: 05-06-1986

DATE AMENDED LAST:

NOTIFICATION TYPE: [ ] New [X] 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 1339
Street Address : FAC 1339
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
☐ Surety Bond
☐ Letter of Credit
☐ Risk Retention Group
☐ Self-insured
☐ Insurance
☐ Guarantee
☐ Trust Fund (other than GUST)
☒ Other Method
☐ 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

Address: HQ 3rd Inf. 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
☐ Letter of Credit
☐ Risk Retention Group
☐ Self-insured
☐ Insurance
☐ Guarantee
☐ Trust Fund (other than GUST)
☐ 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 III: Certifications

OATH OF INSTALLATION: I certify the information concerning installation of the UST system, release detection, and spill/overflow protection specified in Part II-Tank Data is true to the best of my belief and knowledge.

Installer:

Company	Company Address
Authorized Representative	Signature / Date
Title	Telephone Number (include Area Code)

:RTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Owner:

John H. Spears Owner Name	Chief, Environmental Branch Title
Owner's Signature	Date

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089110	9-089110			
TANK ID	94B	94C			
Status of Tank					
Currently in Use	X	X			
Temp. Out of Use					
Perm. Out of Use					
Date of Installation	01-01-1988	01-01-1988			
Age	8	8			
Est. Total Capacity	1000	1000			
MATERIAL OF CONSTRUCTION					
Asphalt or Bare Steel					
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.	x	x			
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Explanation					
Date Tank Repaired					
PIPING MATERIAL					
Bare Steel					
Galvanized Steel	x	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	x			
Propane					
Empty					
Other, Explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089110		9-089110							
TANK ID	94B		94C							
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	7-24-96	7-24-96	7-23-96	7-23-96						
Est. Date Closed	7-31-96	7-31-96	7-29-96	7-29-96						
Removed from Ground	X		X							
Closed in Ground		X		X						
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

TAB 7 - Laboratory Analytical Data

Delivery Order #101
Fort Stewart, Georgia
Tank Number 94C
Building Number 1339

Method / **Sample ID** / *unit*	9073 **TRPH** ppm	418.1 **TPH** ppm	8020 **BTEX** ppb	8270B **Semi-Volatile Organics** ppb
8101-TK94C-S1		26	bdl	bdl
bdl= below method detection limits				

**Fort Stewart is in an area of 'High or Average Groundwater pollution susceptibility' and this tank is approximately 1300 feet from a withdrawal point. Comparisons should be made to Table A for contaminants >500 feet from a withdrawal point.

Complete Data Package Follows

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*	N/A*	N/A*	N/A*
Anthracene	N/A*	N/A*	N/A*	N/A*
Benz(a)anthracene	N/A*	N/A*	N/A*	N/A*
Benzo(a)pyrene	0.660 mg/kg[d]	N/A*	N/A*	N/A*
Benzo(b)fluoranthene	0.820 mg/kg[d,f]	N/A*	N/A*	N/A*
Benzo(g,h,i)perylene	N/A*	N/A*	N/A*	N/A*
Benzo(k)fluoranthene	1.60 mg/kg[d,f]	N/A*	N/A*	N/A*
Chrysene	0.660 mg/kg[d]	N/A*	N/A*	N/A*
Dibenz(a,h)anthracene	1.50 mg/kg[d,f]	N/A*	N/A*	N/A*
Fluoranthene	N/A*	N/A*	N/A*	N/A*
Fluorene	N/A*	N/A*	N/A*	N/A*
Indeno(1,2,3-c,d)pyrene	0.660 mg/kg[d]	N/A*	0.660 mg/kg[d]	N/A*
Naphthalene	N/A*	N/A*	N/A*	N/A*
Phenanthrene	N/A*	N/A*	N/A*	N/A*
Pyrene	N/A*	N/A*	N/A*	N/A*

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

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 - ased on worst-case assumptions for one-dimensional vadose zone and groundwater contaminant fate and transport models.
b - ased on an assumed distance of 0.5 feet between contaminated soils and the water table.
c - ased on an assumed distance of 5.0 feet between contaminated soils and the water table.
d - stimated 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.

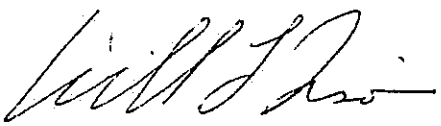
TRANSMITTAL OF SAD LABORATORY REPORT(S)

TO: Commander, Savannah District US Army Corps of Engineers ATTN: CESAS-PM-H Mr. Brent Rose P.O. Box 889 Savannah, GA 31402-0889	**FROM:** Director (CESAD-ET-EL) SAD Laboratory USACE 611 South Cobb Drive Marietta, GA 30060-3112
PROJECT: Ft. Stewart	**REQN NO:** PMS-96-109 **W.O. NO:** 7996

SUBJECT: Analytical Testing Results

1. Enclosed is our report of analytical test results and chain of custody forms for samples collected on 29 July 1996 from Ft. Stewart.

2. If you have any questions, please call Mr. Blaise Willis at 770-919-5295 or me at 770-919-3990.

SUBMITTED BY:	**SIGNATURE**	**DATE:**
ILLIAM L. TISON, P. E. Director, SAD Laboratory		25 Aug 1996

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

District - SAVANNAH
Date Received - 96/07/31
Date Reported - 96/08/20 10:40:32

FT. STEWART ARMY AF
Requisition - PMS-96-109
Work Order - 7996 Job Number - 4040

Lab #	Field ID	Date Sampled	Time Sampled
29645	8101-TK94C-S1	96/07/29	13:00

Test Performed	Result	Units	Tested By	Test Date
TOTAL SOLIDS, % OF WET	95.30	%	ECO	96/08/01
AROMATIC VOLATILE ORGANICS	*		ECO	96/08/08
SEMIVOLATILE ORGANICS GC/MS	*		ECO	96/08/02
TRPH	26.0	MG/KG	ECO	96/08/08

*NOTE: See Attached

Sampled by District Personnel

Checked by: JWS

Signed by:

Blaise Willis

Blaise Willis
Chemist

Sheet 1 of 2

Lab #	Field ID	Date Sampled	Time Sampled
29646	8101-TK94-S1	96/07/29	15:00

Test Performed	Result	Units	Tested By	Test Date
TOTAL SOLIDS, % OF WET	88.40	%	ECO	96/08/01
AROMATIC VOLATILE ORGANICS	*		ECO	96/08/08
SEMIVOLATILE ORGANICS GC/MS	*		ECO	96/08/02
TRPH	< 5.7	MG/KG	ECO	96/08/08

*NOTE: See Attached

Sampled by District Personnel

Checked by: JWS

Signed by:

Blaise Willis

Blaise Willis
Chemist

Sheet 2 of 2

SADD Labs

ANDERSON COLUMBIA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

Page 1 of 1

[illegible] # 7796

Project No.	Project Name
8101	Ft. Stewart DO-0101

Samplers (Signature): [signature]

Remarks: Job # 4040

Sample Number	Date	Time	Grab	Comp.	Sample Location	No. of Containers	Preservative	8020	8270	418.1					Remarks
8101-TK94C-S1	7-29-96	1300	✓		Below Tank	3	Un	✓	✓	✓		[illegible]			2' below UST - soil
8101-TK94-S1	7-29-96	1500	✓		Below Tank	3	Un	✓	✓	✓			[illegible]		2' below UST - soil
Temp Vial															

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
[signature]	7-30-96 / 0900				
Relinquished by:	Date / Time	Received by: [signature]	Relinquished by:	Date / Time	Remarks:
Relinquished by:	Date / Time	Received by: 7/31/96 0938			

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	108032
P.O. Number	
Date Received	08/01/96
Time Received	10:31
Reporting Date	08/19/96

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

Lab Sample ID	AB36628	**Client Site #**	29645
Project #	4040	**Client Sample #**	8101-TK94C-S1
Project Name	FT. STEWART		
Sampling Date/Time	07/29/96 13:00		

Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL — **Prep Date** 08/02/96 — **Batch** 0802960008

METHOD	ANALYTE	TEST CODE	*RESULT*	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
8270B	PHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	108-95-2	GC	08/02/96
8270B	BIS(2-CHLOROETHYL) ETHER	S06013	*Below MDL*	346	ug/Kg	1.0	111-44-4	GC	08/02/96
8270B	2-CHLOROPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	95-57-8	GC	08/02/96
8270B	1,3-DICHLOROBENZENE	S06013	*Below MDL*	346	ug/Kg	1.0	541-73-1	GC	08/02/96
8270B	1,4-DICHLOROBENZENE	S06013	*Below MDL*	346	ug/Kg	1.0	106-46-7	GC	08/02/96
8270B	1,2-DICHLOROBENZENE	S06013	*Below MDL*	346	ug/Kg	1.0	95-50-1	GC	08/02/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	S06013	*Below MDL*	346	ug/Kg	1.0	108-60-1	GC	08/02/96
8270B	2-METHYLPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	95-48-7	GC	08/02/96
8270B	4-METHYLPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	106-44-5	GC	08/02/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06013	*Below MDL*	346	ug/Kg	1.0	621-64-7	GC	08/02/96
8270B	HEXACHLOROETHANE	S06013	*Below MDL*	346	ug/Kg	1.0	67-72-1	GC	08/02/96
8270B	NITROBENZENE	S06013	*Below MDL*	346	ug/Kg	1.0	98-95-3	GC	08/02/96
8270B	ISOPHORONE	S06013	*Below MDL*	346	ug/Kg	1.0	78-59-1	GC	08/02/96
8270B	2-NITROPHENOL	S06013	*Below MDL*	693	ug/Kg	1.0	88-75-5	GC	08/02/96
8270B	2,4-DIMETHYLPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	105-67-9	GC	08/02/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06013	*Below MDL*	346	ug/Kg	1.0	111-91-1	GC	08/02/96
8270B	2,4-DICHLOROPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	120-83-2	GC	08/02/96
8270B	1,2,4-TRICHLOROBENZENE	S06013	*Below MDL*	346	ug/Kg	1.0	120-82-1	GC	08/02/96
8270B	NAPHTHALENE	S06013	*Below MDL*	346	ug/Kg	1.0	91-20-3	GC	08/02/96
8270B	4-CHLOROANILINE	S06013	*Below MDL*	346	ug/Kg	1.0	106-47-8	GC	08/02/96
8270B	HEXACHLOROBUTADIENE	S06013	*Below MDL*	346	ug/Kg	1.0	87-68-3	GC	08/02/96
8270B	4-CHLORO-3-METHYLPHENOL	S06013	*Below MDL*	693	ug/Kg	1.0	59-50-7	GC	08/02/96
8270B	2-METHYLNAPHTHALENE	S06013	*Below MDL*	346	ug/Kg	1.0	91-57-6	GC	08/02/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06013	*Below MDL*	346	ug/Kg	1.0	77-47-4	GC	08/02/96
8270B	2,4,6-TRICHLOROPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	88-06-2	GC	08/02/96
8270B	2,4,5-TRICHLOROPHENOL	S06013	*Below MDL*	346	ug/Kg	1.0	95-95-4	GC	08/02/96
8270B	2-CHLORONAPHTHALENE	S06013	*Below MDL*	346	ug/Kg	1.0	91-58-7	GC	08/02/96

Lab Sample ID	AB36628	**Client Site #**	29645
Project #	4040	**Client Sample #**	8101-TK94C-S1
Project Name	FT. STEWART		
Sampling Date/Time	07/29/96 13:00		

METHOD	ANALYTE	TEST CODE	*RESULT*	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment	Results are reported on a dry weight basis.								
SEMI (GC/MS) SOIL				**Prep Date** 08/02/96			**Batch** 0802960008		
8270B	2-NITROANILINE	S06013	***Below MDL***	346	ug/Kg	1.0	88-74-4	GC	08/02/96
8270B	DIMETHYL PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	131-11-3	GC	08/02/96
8270B	ACENAPHTHYLENE	S06013	***Below MDL***	346	ug/Kg	1.0	208-96-8	GC	08/02/96
8270B	2,6-DINITROTOLUENE	S06013	***Below MDL***	346	ug/Kg	1.0	606-20-2	GC	08/02/96
8270B	3-NITROANILINE	S06013	***Below MDL***	346	ug/Kg	1.0	99-09-2	GC	08/02/96
8270B	ACENAPHTHENE	S06013	***Below MDL***	346	ug/Kg	1.0	83-32-9	GC	08/02/96
8270B	2,4-DINITROPHENOL	S06013	***Below MDL***	1731	ug/Kg	1.0	51-28-5	GC	08/02/96
8270B	4-NITROPHENOL	S06013	***Below MDL***	1731	ug/Kg	1.0	100-02-7	GC	08/02/96
8270B	DIBENZOFURAN	S06013	***Below MDL***	346	ug/Kg	1.0	132-64-9	GC	08/02/96
8270B	2,4-DINITROTOLUENE	S06013	***Below MDL***	346	ug/Kg	1.0	121-14-2	GC	08/02/96
8270B	DIETHYL PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	84-66-2	GC	08/02/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	***Below MDL***	346	ug/Kg	1.0	7005-72-3	GC	08/02/96
8270B	FLUORENE	S06013	***Below MDL***	346	ug/Kg	1.0	86-73-7	GC	08/02/96
8270B	4-NITROANILINE	S06013	***Below MDL***	346	ug/Kg	1.0	100-01-6	GC	08/02/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	***Below MDL***	1731	ug/Kg	1.0	534-52-1	GC	08/02/96
8270B	N-NITROSODIPHENYLAMINE	S06013	***Below MDL***	346	ug/Kg	1.0	86-30-6	GC	08/02/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	***Below MDL***	346	ug/Kg	1.0	101-55-3	GC	08/02/96
8270B	HEXACHLOROBENZENE	S06013	***Below MDL***	346	ug/Kg	1.0	118-74-1	GC	08/02/96
8270B	PENTACHLOROPHENOL	S06013	***Below MDL***	1731	ug/Kg	1.0	87-86-5	GC	08/02/96
8270B	PHENANTHRENE	S06013	***Below MDL***	346	ug/Kg	1.0	85-01-8	GC	08/02/96
8270B	ANTHRACENE	S06013	***Below MDL***	346	ug/Kg	1.0	120-12-7	GC	08/02/96
8270B	DI-N-BUTYL PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	84-74-2	GC	08/02/96
8270B	FLUORANTHENE	S06013	***Below MDL***	346	ug/Kg	1.0	206-44-0	GC	08/02/96
8270B	PYRENE	S06013	***Below MDL***	346	ug/Kg	1.0	129-00-0	GC	08/02/96
8270B	BUTYL BENZYL PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	85-68-7	GC	08/02/96
8270B	3,3'-DICHLOROBENZIDINE	S06013	***Below MDL***	693	ug/Kg	1.0	91-94-1	GC	08/02/96
8270B	BENZO(A)ANTHRACENE	S06013	***Below MDL***	346	ug/Kg	1.0	56-55-3	GC	08/02/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	117-81-7	GC	08/02/96
8270B	CHRYSENE	S06013	***Below MDL***	346	ug/Kg	1.0	218-01-9	GC	08/02/96
8270B	DI-N-OCTYL PHTHALATE	S06013	***Below MDL***	346	ug/Kg	1.0	117-84-0	GC	08/02/96
8270B	BENZO(B)FLUORANTHENE	S06013	***Below MDL***	346	ug/Kg	1.0	205-99-2	GC	08/02/96
8270B	BENZO(K)FLUORANTHENE	S06013	***Below MDL***	346	ug/Kg	1.0	207-08-9	GC	08/02/96
8270B	BENZO(A)PYRENE	S06013	***Below MDL***	346	ug/Kg	1.0	50-32-8	GC	08/02/96
8270B	INDENO(1,2,3-CD)PYRENE	S06013	***Below MDL***	346	ug/Kg	1.0	193-39-5	GC	08/02/96
8270B	DIBENZO(A,H)ANTHRACENE	S06013	***Below MDL***	346	ug/Kg	1.0	53-70-3	GC	08/02/96
8270B	BENZO(G,H,I)PERYLENE	S06013	***Below MDL***	346	ug/Kg	1.0	191-24-2	GC	08/02/96
8270B	2-FLUOROPHENOL (SURR)	S06013	***51***	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	S06013	***51***	%	REC	1.0	13127-88-3	GC	08/02/96
8270B	NITROBENZENE-D5 (SURR)	S06013	***52***	%	REC	1.0	4165-60-0	GC	08/02/96
8270B	2-FLUOROBIPHENYL (SURR)	S06013	***74***	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	S06013	***66***	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	S06013	***84***	%	REC	1.0	1718-51-0	GC	08/02/96
8270B	CARBAZOLE	S06013	***Below MDL***	346	ug/Kg	1.0	86-74-8	GC	08/02/96
BTEX (GC) SOIL				**Prep Date** 08/08/96			**Batch** 080896BW		

Lab Sample ID AB36628 **Client Site #** 29645
Project # 4040 **Client Sample #** 8101-TK94C-S1
Project Name FT. STEWART
Sampling Date/Time 07/29/96 13:00

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment	Results are reported on a dry weight basis.								
BTEX (GC) SOIL				Prep Date 08/08/96			Batch 080896BW		
8020A	BENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	71-43-2	DTA	08/08/96
8020A	TOLUENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	108-88-3	DTA	08/08/96
8020A	ETHYLBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	100-41-4	DTA	08/08/96
8020A	XYLENES (TOTAL)	S08006	*Below MDL*	1.0	ug/Kg	1.0	1330-20-7	DTA	08/08/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	S08006	*65*	%	REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	S08006	*68*	%	REC	1.0	460-00-4	DTA	08/08/96
8020A	CHLOROBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	108-90-7	DTA	08/08/96
8020A	1,2-DICHLOROBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	95-50-1	DTA	08/08/96
8020A	1,3-DICHLOROBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	541-73-1	DTA	08/08/96
8020A	1,4-DICHLOROBENZENE	S08006	*Below MDL*	1.0	ug/Kg	1.0	106-46-7	DTA	08/08/96
8020A	TERT-METHYLBUTYL ETHER	S08006	*Below MDL*	1.0	ug/Kg	1.0	1634-04-4	DTA	08/08/96
				Prep Date 08/08/96			Batch 080896		
418.1	TPH (FTIR) SOIL	08008	*26*	5.2	mg/Kg	1.0		JK	08/08/96
				Prep Date 08/02/96			Batch 0802960005		
160.3	% TOTAL SOLIDS SOIL (N/C)	09099	*95.3*	0.1	%	1.0		MN	08/01/96

Lab Sample ID AB36629 **Client Site #** 29646
Project # 4040 **Client Sample #** 8101-TK94-S1
Project Name FT. STEWART
Sampling Date/Time 07/29/96 15:00

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment	Results are reported on a dry weight basis.								
SEMI (GC/MS) SOIL				Prep Date 08/02/96			Batch 0802960008		
8270B	PHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	108-95-2	GC	08/02/96
8270B	BIS(2-CHLOROETHYL) ETHER	S06013	*Below MDL*	373	ug/Kg	1.0	111-44-4	GC	08/02/96
8270B	2-CHLOROPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	95-57-8	GC	08/02/96
8270B	1,3-DICHLOROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	541-73-1	GC	08/02/96
8270B	1,4-DICHLOROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	106-46-7	GC	08/02/96
8270B	1,2-DICHLOROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	95-50-1	GC	08/02/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	S06013	*Below MDL*	373	ug/Kg	1.0	108-60-1	GC	08/02/96
8270B	2-METHYLPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	95-48-7	GC	08/02/96
8270B	4-METHYLPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	106-44-5	GC	08/02/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06013	*Below MDL*	373	ug/Kg	1.0	621-64-7	GC	08/02/96
8270B	HEXACHLOROETHANE	S06013	*Below MDL*	373	ug/Kg	1.0	67-72-1	GC	08/02/96
8270B	NITROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	98-95-3	GC	08/02/96
8270B	ISOPHORONE	S06013	*Below MDL*	373	ug/Kg	1.0	78-59-1	GC	08/02/96
8270B	2-NITROPHENOL	S06013	*Below MDL*	747	ug/Kg	1.0	88-75-5	GC	08/02/96
8270B	2,4-DIMETHYLPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	105-67-9	GC	08/02/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06013	*Below MDL*	373	ug/Kg	1.0	111-91-1	GC	08/02/96

Lab Sample ID	AB36629	**Client Site #**	29646
Project #	4040	**Client Sample #**	8101-TK94-S1
Project Name	FT. STEWART		
Sampling Date/Time	07/29/96 15:00		

Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL — Prep Date 08/02/96 — Batch 0802960008

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
8270B	2,4-DICHLOROPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	120-83-2	GC	08/02/96
8270B	1,2,4-TRICHLOROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	120-82-1	GC	08/02/96
8270B	NAPHTHALENE	S06013	*Below MDL*	373	ug/Kg	1.0	91-20-3	GC	08/02/96
8270B	4-CHLOROANILINE	S06013	*Below MDL*	373	ug/Kg	1.0	106-47-8	GC	08/02/96
8270B	HEXACHLOROBUTADIENE	S06013	*Below MDL*	373	ug/Kg	1.0	87-68-3	GC	08/02/96
8270B	4-CHLORO-3-METHYLPHENOL	S06013	*Below MDL*	747	ug/Kg	1.0	59-50-7	GC	08/02/96
8270B	2-METHYLNAPHTHALENE	S06013	*Below MDL*	373	ug/Kg	1.0	91-57-6	GC	08/02/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06013	*Below MDL*	373	ug/Kg	1.0	77-47-4	GC	08/02/96
8270B	2,4,6-TRICHLOROPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	88-06-2	GC	08/02/96
8270B	2,4,5-TRICHLOROPHENOL	S06013	*Below MDL*	373	ug/Kg	1.0	95-95-4	GC	08/02/96
8270B	2-CHLORONAPHTHALENE	S06013	*Below MDL*	373	ug/Kg	1.0	91-58-7	GC	08/02/96
8270B	2-NITROANILINE	S06013	*Below MDL*	373	ug/Kg	1.0	88-74-4	GC	08/02/96
8270B	DIMETHYL PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	131-11-3	GC	08/02/96
8270B	ACENAPHTHYLENE	S06013	*Below MDL*	373	ug/Kg	1.0	208-96-8	GC	08/02/96
8270B	2,6-DINITROTOLUENE	S06013	*Below MDL*	373	ug/Kg	1.0	606-20-2	GC	08/02/96
8270B	3-NITROANILINE	S06013	*Below MDL*	373	ug/Kg	1.0	99-09-2	GC	08/02/96
8270B	ACENAPHTHENE	S06013	*Below MDL*	373	ug/Kg	1.0	83-32-9	GC	08/02/96
8270B	2,4-DINITROPHENOL	S06013	*Below MDL*	1867	ug/Kg	1.0	51-28-5	GC	08/02/96
8270B	4-NITROPHENOL	S06013	*Below MDL*	1867	ug/Kg	1.0	100-02-7	GC	08/02/96
8270B	DIBENZOFURAN	S06013	*Below MDL*	373	ug/Kg	1.0	132-64-9	GC	08/02/96
8270B	2,4-DINITROTOLUENE	S06013	*Below MDL*	373	ug/Kg	1.0	121-14-2	GC	08/02/96
8270B	DIETHYL PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	84-66-2	GC	08/02/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	*Below MDL*	373	ug/Kg	1.0	7005-72-3	GC	08/02/96
8270B	FLUORENE	S06013	*Below MDL*	373	ug/Kg	1.0	86-73-7	GC	08/02/96
8270B	4-NITROANILINE	S06013	*Below MDL*	373	ug/Kg	1.0	100-01-6	GC	08/02/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	*Below MDL*	1867	ug/Kg	1.0	534-52-1	GC	08/02/96
8270B	N-NITROSODIPHENYLAMINE	S06013	*Below MDL*	373	ug/Kg	1.0	86-30-6	GC	08/02/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	*Below MDL*	373	ug/Kg	1.0	101-55-3	GC	08/02/96
8270B	HEXACHLOROBENZENE	S06013	*Below MDL*	373	ug/Kg	1.0	118-74-1	GC	08/02/96
8270B	PENTACHLOROPHENOL	S06013	*Below MDL*	1867	ug/Kg	1.0	87-86-5	GC	08/02/96
8270B	PHENANTHRENE	S06013	*Below MDL*	373	ug/Kg	1.0	85-01-8	GC	08/02/96
8270B	ANTHRACENE	S06013	*Below MDL*	373	ug/Kg	1.0	120-12-7	GC	08/02/96
8270B	DI-N-BUTYL PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	84-74-2	GC	08/02/96
8270B	FLUORANTHENE	S06013	*Below MDL*	373	ug/Kg	1.0	206-44-0	GC	08/02/96
8270B	PYRENE	S06013	*Below MDL*	373	ug/Kg	1.0	129-00-0	GC	08/02/96
8270B	BUTYL BENZYL PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	85-68-7	GC	08/02/96
8270B	3,3'-DICHLOROBENZIDINE	S06013	*Below MDL*	747	ug/Kg	1.0	91-94-1	GC	08/02/96
8270B	BENZO(A)ANTHRACENE	S06013	*Below MDL*	373	ug/Kg	1.0	56-55-3	GC	08/02/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	117-81-7	GC	08/02/96
8270B	CHRYSENE	S06013	*Below MDL*	373	ug/Kg	1.0	218-01-9	GC	08/02/96
8270B	DI-N-OCTYL PHTHALATE	S06013	*Below MDL*	373	ug/Kg	1.0	117-84-0	GC	08/02/96
8270B	BENZO(B)FLUORANTHENE	S06013	*Below MDL*	373	ug/Kg	1.0	205-99-2	GC	08/02/96
8270B	BENZO(K)FLUORANTHENE	S06013	*Below MDL*	373	ug/Kg	1.0	207-08-9	GC	08/02/96
8270B	BENZO(A)PYRENE	S06013	*Below MDL*	373	ug/Kg	1.0	50-32-8	GC	08/02/96

Lab Sample ID AB36629 **Client Site #** 29646
Project # 4040 **Client Sample #** 8101-TK94-S1
Project Name FT. STEWART
Sampling Date/Time 07/29/96 15:00

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
Sample Comment	Results are reported on a dry weight basis.								
SEMI (GC/MS) SOIL					**Prep Date** 08/02/96		**Batch** 0802960008		
8270B	INDENO(1,2,3-CD)PYRENE	$06013	*Below MDL*	373	ug/Kg	1.0	193-39-5	GC	08/02/96
8270B	DIBENZO(A,H)ANTHRACENE	$06013	*Below MDL*	373	ug/Kg	1.0	53-70-3	GC	08/02/96
8270B	BENZO(G,H,I)PERYLENE	$06013	*Below MDL*	373	ug/Kg	1.0	191-24-2	GC	08/02/96
8270B	2-FLUOROPHENOL (SURR)	$06013	*41*	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	$06013	*41*	%	REC	1.0	13127-88-3	GC	08/02/96
8270B	NITROBENZENE-D5 (SURR)	$06013	*40*	%	REC	1.0	4165-60-0	GC	08/02/96
8270B	2-FLUOROBIPHENYL (SURR)	$06013	*59*	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	$06013	*66*	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	$06013	*82*	%	REC	1.0	1718-51-0	GC	08/02/96
8270B	CARBAZOLE	$06013	*Below MDL*	373	ug/Kg	1.0	86-74-8	GC	08/02/96
BTEX (GC) SOIL					**Prep Date** 08/08/96		**Batch** 080896BW		
8020A	BENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	71-43-2	DTA	08/08/96
8020A	TOLUENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	108-88-3	DTA	08/08/96
8020A	ETHYLBENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	100-41-4	DTA	08/08/96
8020A	XYLENES (TOTAL)	$08006	*Below MDL*	1.1	ug/Kg	1.0	1330-20-7	DTA	08/08/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*94*	%	REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	$08006	*87*	%	REC	1.0	460-00-4	DTA	08/08/96
8020A	CHLOROBENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	108-90-7	DTA	08/08/96
8020A	1,2-DICHLOROBENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	95-50-1	DTA	08/08/96
8020A	1,3-DICHLOROBENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	541-73-1	DTA	08/08/96
8020A	1,4-DICHLOROBENZENE	$08006	*Below MDL*	1.1	ug/Kg	1.0	106-46-7	DTA	08/08/96
8020A	TERT-METHYLBUTYL ETHER	$08006	*Below MDL*	1.1	ug/Kg	1.0	1634-04-4	DTA	08/08/96
					Prep Date 08/08/96		**Batch** 080896		
418.1	TPH (FTIR) SOIL	08008	*Below MDL*	5.7	mg/Kg	1.0		JK	08/08/96
					Prep Date 08/02/96		**Batch** 0802960005		
160.3	% TOTAL SOLIDS SOIL (N/C)	09099	*88.4*	0.1	%	1.0		MN	08/01/96

Lab Sample ID AB36630 **Client Site #**
Project # 4040 **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
SEMI (GC/MS) SOIL					**Prep Date** 08/02/96		**Batch** 0802960008		
8270B	PHENOL	$06013	*Below MDL*	330	ug/Kg	1.0	108-95-2	GC	08/02/96
8270B	BIS(2-CHLOROETHYL) ETHER	$06013	*Below MDL*	330	ug/Kg	1.0	111-44-4	GC	08/02/96
8270B	2-CHLOROPHENOL	$06013	*Below MDL*	330	ug/Kg	1.0	95-57-8	GC	08/02/96
8270B	1,3-DICHLOROBENZENE	$06013	*Below MDL*	330	ug/Kg	1.0	541-73-1	GC	08/02/96
8270B	1,4-DICHLOROBENZENE	$06013	*Below MDL*	330	ug/Kg	1.0	106-46-7	GC	08/02/96
8270B	1,2-DICHLOROBENZENE	$06013	*Below MDL*	330	ug/Kg	1.0	95-50-1	GC	08/02/96

Lab Sample ID	AB36630	**Client Site #**	
Project #	4040	**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
SEMI (GC/MS) SOIL				**Prep Date**	08/02/96		**Batch**	0802960008	
8270B	BIS(2-CHLOROISOPROPYL) ETHER	S06013	*Below MDL*	330	ug/Kg	1.0	108-60-1	GC	08/02/96
8270B	2-METHYLPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	95-48-7	GC	08/02/96
8270B	4-METHYLPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	106-44-5	GC	08/02/96
8270B	N-NITROSODI-N-PROPYLAMINE	S06013	*Below MDL*	330	ug/Kg	1.0	621-64-7	GC	08/02/96
8270B	HEXACHLOROETHANE	S06013	*Below MDL*	330	ug/Kg	1.0	67-72-1	GC	08/02/96
8270B	NITROBENZENE	S06013	*Below MDL*	330	ug/Kg	1.0	98-95-3	GC	08/02/96
8270B	ISOPHORONE	S06013	*Below MDL*	330	ug/Kg	1.0	78-59-1	GC	08/02/96
8270B	2-NITROPHENOL	S06013	*Below MDL*	660	ug/Kg	1.0	88-75-5	GC	08/02/96
8270B	2,4-DIMETHYLPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	105-67-9	GC	08/02/96
8270B	BIS(2-CHLOROETHOXY)METHANE	S06013	*Below MDL*	330	ug/Kg	1.0	111-91-1	GC	08/02/96
8270B	2,4-DICHLOROPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	120-83-2	GC	08/02/96
8270B	1,2,4-TRICHLOROBENZENE	S06013	*Below MDL*	330	ug/Kg	1.0	120-82-1	GC	08/02/96
8270B	NAPHTHALENE	S06013	*Below MDL*	330	ug/Kg	1.0	91-20-3	GC	08/02/96
8270B	4-CHLOROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	106-47-8	GC	08/02/96
8270B	HEXACHLOROBUTADIENE	S06013	*Below MDL*	330	ug/Kg	1.0	87-68-3	GC	08/02/96
8270B	4-CHLORO-3-METHYLPHENOL	S06013	*Below MDL*	660	ug/Kg	1.0	59-50-7	GC	08/02/96
8270B	2-METHYLNAPHTHALENE	S06013	*Below MDL*	330	ug/Kg	1.0	91-57-6	GC	08/02/96
8270B	HEXACHLOROCYCLOPENTADIENE	S06013	*Below MDL*	330	ug/Kg	1.0	77-47-4	GC	08/02/96
8270B	2,4,6-TRICHLOROPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	88-06-2	GC	08/02/96
8270B	2,4,5-TRICHLOROPHENOL	S06013	*Below MDL*	330	ug/Kg	1.0	95-95-4	GC	08/02/96
8270B	2-CHLORONAPHTHALENE	S06013	*Below MDL*	330	ug/Kg	1.0	91-58-7	GC	08/02/96
8270B	2-NITROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	88-74-4	GC	08/02/96
8270B	DIMETHYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	131-11-3	GC	08/02/96
8270B	ACENAPHTHYLENE	S06013	*Below MDL*	330	ug/Kg	1.0	208-96-8	GC	08/02/96
8270B	2,6-DINITROTOLUENE	S06013	*Below MDL*	330	ug/Kg	1.0	606-20-2	GC	08/02/96
8270B	3-NITROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	99-09-2	GC	08/02/96
8270B	ACENAPHTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	83-32-9	GC	08/02/96
8270B	2,4-DINITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	51-28-5	GC	08/02/96
8270B	4-NITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	100-02-7	GC	08/02/96
8270B	DIBENZOFURAN	S06013	*Below MDL*	330	ug/Kg	1.0	132-64-9	GC	08/02/96
8270B	2,4-DINITROTOLUENE	S06013	*Below MDL*	330	ug/Kg	1.0	121-14-2	GC	08/02/96
8270B	DIETHYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	84-66-2	GC	08/02/96
8270B	4-CHLOROPHENYL PHENYL ETHER	S06013	*Below MDL*	330	ug/Kg	1.0	7005-72-3	GC	08/02/96
8270B	FLUORENE	S06013	*Below MDL*	330	ug/Kg	1.0	86-73-7	GC	08/02/96
8270B	4-NITROANILINE	S06013	*Below MDL*	330	ug/Kg	1.0	100-01-6	GC	08/02/96
8270B	2-METHYL-4,6-DINITROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	534-52-1	GC	08/02/96
8270B	N-NITROSODIPHENYLAMINE	S06013	*Below MDL*	330	ug/Kg	1.0	86-30-6	GC	08/02/96
8270B	4-BROMOPHENYL PHENYL ETHER	S06013	*Below MDL*	330	ug/Kg	1.0	101-55-3	GC	08/02/96
8270B	HEXACHLOROBENZENE	S06013	*Below MDL*	330	ug/Kg	1.0	118-74-1	GC	08/02/96
8270B	PENTACHLOROPHENOL	S06013	*Below MDL*	1650	ug/Kg	1.0	87-86-5	GC	08/02/96
8270B	PHENANTHRENE	S06013	*Below MDL*	330	ug/Kg	1.0	85-01-8	GC	08/02/96
8270B	ANTHRACENE	S06013	*Below MDL*	330	ug/Kg	1.0	120-12-7	GC	08/02/96
8270B	DI-N-BUTYL PHTHALATE	S06013	*Below MDL*	330	ug/Kg	1.0	84-74-2	GC	08/02/96
8270B	FLUORANTHENE	S06013	*Below MDL*	330	ug/Kg	1.0	206-44-0	GC	08/02/96
8270B	PYRENE	S06013	*Below MDL*	330	ug/Kg	1.0	129-00-0	GC	08/02/96

Lab Sample ID	AB36630	**Client Site #**	
Project #	4040	**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
SEMI (GC/MS) SOIL				**Prep Date** 08/02/96			**Batch** 0802960008		
8270B	BUTYL BENZYL PHTHALATE	$06013	*Below MDL*	330	ug/Kg	1.0	85-68-7	GC	08/02/96
8270B	3,3'-DICHLOROBENZIDINE	$06013	*Below MDL*	660	ug/Kg	1.0	91-94-1	GC	08/02/96
8270B	BENZO(A)ANTHRACENE	$06013	*Below MDL*	330	ug/Kg	1.0	56-55-3	GC	08/02/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	$06013	*Below MDL*	330	ug/Kg	1.0	117-81-7	GC	08/02/96
8270B	CHRYSENE	$06013	*Below MDL*	330	ug/Kg	1.0	218-01-9	GC	08/02/96
8270B	DI-N-OCTYL PHTHALATE	$06013	*Below MDL*	330	ug/Kg	1.0	117-84-0	GC	08/02/96
8270B	BENZO(B)FLUORANTHENE	$06013	*Below MDL*	330	ug/Kg	1.0	205-99-2	GC	08/02/96
8270B	BENZO(K)FLUORANTHENE	$06013	*Below MDL*	330	ug/Kg	1.0	207-08-9	GC	08/02/96
8270B	BENZO(A)PYRENE	$06013	*Below MDL*	330	ug/Kg	1.0	50-32-8	GC	08/02/96
8270B	INDENO(1,2,3-CD)PYRENE	$06013	*Below MDL*	330	ug/Kg	1.0	193-39-5	GC	08/02/96
8270B	DIBENZO(A,H)ANTHRACENE	$06013	*Below MDL*	330	ug/Kg	1.0	53-70-3	GC	08/02/96
8270B	BENZO(G,H,I)PERYLENE	$06013	*Below MDL*	330	ug/Kg	1.0	191-24-2	GC	08/02/96
8270B	2-FLUOROPHENOL (SURR)	$06013	*72*	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	$06013	*63*	%	REC	1.0	13127-88-3	GC	08/02/96
8270B	NITROBENZENE-D5 (SURR)	$06013	*74*	%	REC	1.0	4165-60-0	GC	08/02/96
8270B	2-FLUOROBIPHENYL (SURR)	$06013	*81*	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	$06013	*73*	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	$06013	*97*	%	REC	1.0	1718-51-0	GC	08/02/96
8270B	CARBAZOLE	$06013	*Below MDL*	330	ug/Kg	1.0	86-74-8	GC	08/02/96
(GC) SOIL				**Prep Date** 08/08/96			**Batch** 080896BW		
8020A	BENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	71-43-2	DTA	08/08/96
8020A	TOLUENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	108-88-3	DTA	08/08/96
8020A	ETHYLBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	100-41-4	DTA	08/08/96
8020A	XYLENES (TOTAL)	$08006	*Below MDL*	1.0	ug/Kg	1.0	1330-20-7	DTA	08/08/96
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*90*	%	REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	$08006	*99*	%	REC	1.0	460-00-4	DTA	08/08/96
8020A	CHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	108-90-7	DTA	08/08/96
8020A	1,2-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	95-50-1	DTA	08/08/96
8020A	1,3-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	541-73-1	DTA	08/08/96
8020A	1,4-DICHLOROBENZENE	$08006	*Below MDL*	1.0	ug/Kg	1.0	106-46-7	DTA	08/08/96
8020A	TERT-METHYLBUTYL ETHER	$08006	*Below MDL*	1.0	ug/Kg	1.0	1634-04-4	DTA	08/08/96
				Prep Date 08/08/96			**Batch** 080896		
418.1	TPH (FTIR) SOIL	08008	*Below MDL*	5.0	mg/Kg	1.0		JK	08/08/96

Lab Sample ID AB36700 **Client Site #**
Project # 4040 **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 08/02/96			Batch 0802960008		
8270B	2-FLUOROPHENOL (SURR)	$06013	59	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	$06013	55	%	REC	1.0	13127-88-3	GC	08/02/96
8270B	NITROBENZENE-D5 (SURR)	$06013	55	%	REC	1.0	4165-60-0	GC	08/02/96
8270B	2-FLUOROBIPHENYL (SURR)	$06013	76	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	$06013	76	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	$06013	84	%	REC	1.0	1718-51-0	GC	08/02/96

Lab Sample ID AB36701 **Client Site #**
Project # 4040 **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 08/02/96			Batch 0802960001		
8270B	2-FLUOROPHENOL (SURR)	$06013	49	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	$06013	44	%	REC	1.0	13127-88-3	GC	08/02/96
[illegible]0B	NITROBENZENE-D5 (SURR)	$06013	39	%	REC	1.0	4165-60-0	GC	08/02/96
[illegible]0B	2-FLUOROBIPHENYL (SURR)	$06013	62	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	$06013	70	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	$06013	84	%	REC	1.0	1718-51-0	GC	08/02/96

Lab Sample ID AB36702 **Client Site #**
Project # 4040 **Client Sample #** LCS
Project Name FT. STEWART
Sampling Date/Time / /

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
SEMI (GC/MS) SOIL				Prep Date 08/02/96			Batch 0802960008		
8270B	2-FLUOROPHENOL (SURR)	$06013	71	%	REC	1.0	367-12-4	GC	08/02/96
8270B	PHENOL-D5 (SURR)	$06013	68	%	REC	1.0	13127-88-3	GC	08/02/96
8270B	NITROBENZENE-D5 (SURR)	$06013	62	%	REC	1.0	4165-60-0	GC	08/02/96
8270B	2-FLUOROBIPHENYL (SURR)	$06013	77	%	REC	1.0	321-60-8	GC	08/02/96
8270B	2,4,6-TRIBROMOPHENOL (SURR)	$06013	70	%	REC	1.0	118-79-6	GC	08/02/96
8270B	TERPHENYL-D14 (SURR)	$06013	90	%	REC	1.0	1718-51-0	GC	08/02/96

Lab Sample ID AB37090 **Client Site #**
Project # 4040 **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 08/08/96		Batch 080896BW		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*91*		% REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	$08006	*105*		% REC	1.0	460-00-4	DTA	08/08/96

Lab Sample ID AB37091 **Client Site #**
Project # 4040 **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 08/08/96		Batch 080896BW		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*61*		% REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	$08006	*66*		% REC	1.0	460-00-4	DTA	08/08/96

Lab Sample ID AB37092 **Client Site #**
Project # 4040 **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 08/08/96		Batch 080896BW		
8020A	A,A,A-TRIFLUOROTOLUENE (SURR)	$08006	*64*		% REC	1.0	98-08-8	DTA	08/08/96
8020A	4-BROMOFLUOROBENZENE (SURR)	$08006	*65*		% REC	1.0	460-00-4	DTA	08/08/96

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 Orde. _____ Job # 4040 Chain of Custody Reco

(ER 1110-1-263)

Proj. No.	Project Name Ft. Stewart													TAT Regular
Sampler : (Signature)														Due 8/8
Date	Time	Pres.	Grab	Comp	Site Code/Sample Number	Number of Containers	5035	5035	418.1 TRPH					Remarks: SAD NO. MATRI
7/31/96	1310				S101-TK94C-S1	3	✓	✓	✓					29645 AB 36628 Soil
↓	1500				S101-TK94-S1	3	✓	✓	✓					29646 AB 36629 Soil
					40ml methodBlank		X	X	X					AB 36630

Sampler Relinquished by:	Date/Time	Received by: (Sig.)	Date/Time	Hazards Associated with Samples
Relinquished by: (Sig.)	Date/Time 7/31/96	Received by: (Sig.) 8/1/96	Date/Time 10:31	Ice 4°C
Relinquished by: (Sig)	Date/Time	Received for Laboratory by: (Sig.)	Date/Time	Remarks at time of receipt:
Custody Seal No.		Lab case No.:		

ENG Form 5021-R, Oct 90

Location C-4 Ledger # 108032

Proponent: CEMP-R

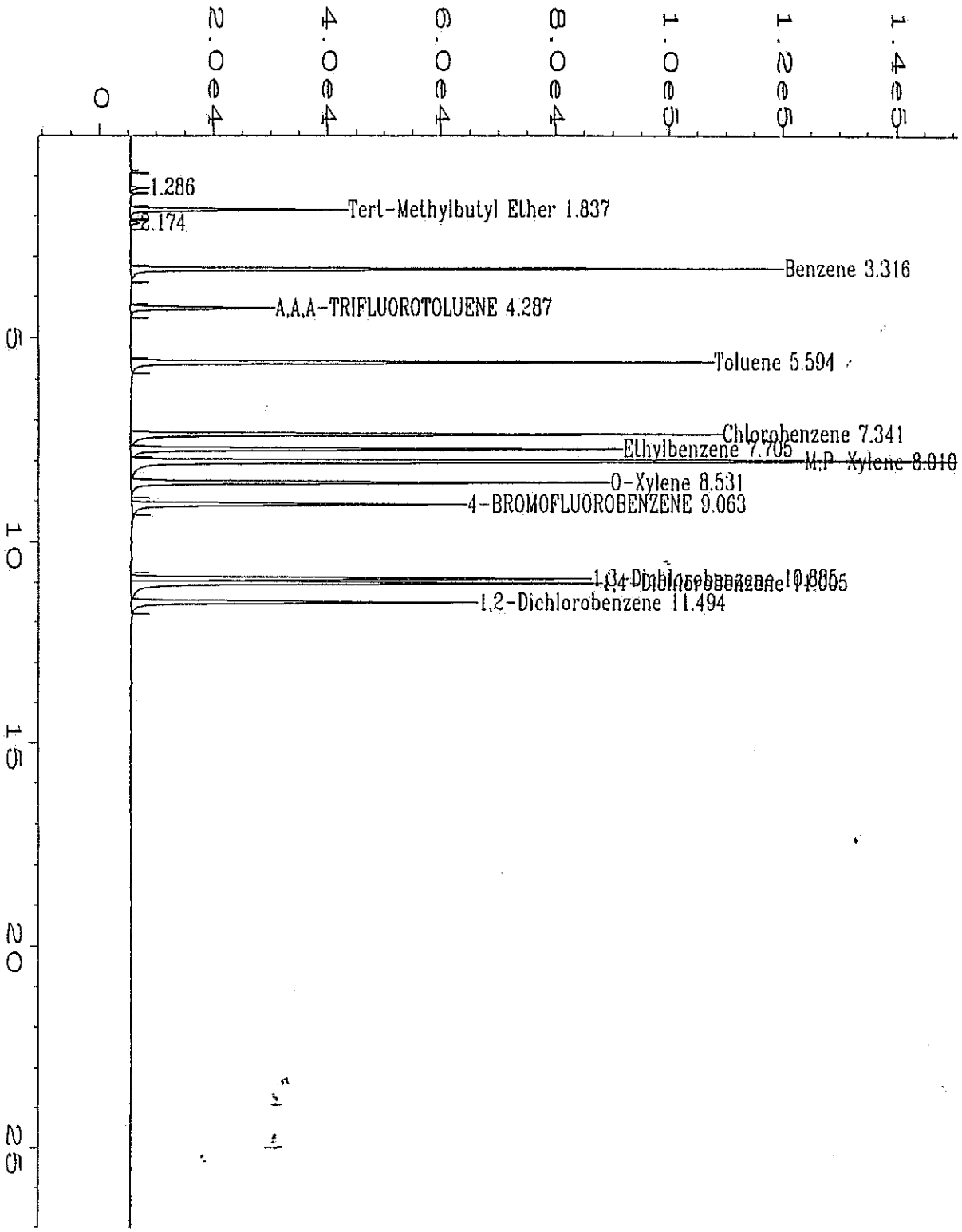
External Standard Report

Data File Name : C:\HPCHEM\2\DATA\b080896\60808F10.D
Operator : Doug Anderson
Instrument : GC6
Sample Name : 20ppb 8020 ccv
Run Time Bar Code:
Acquired on : 08 Aug 96 03:45 PM
Report Created on: 08 Aug 96 04:12 PM
Last Recalib on : 02 AUG 96 08:16 AM
Multiplier : 1
Sample Info : 16ppb surr

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: 6B080196.MTH
Analysis Method : 6B080196.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\2\DATA\b080896\60808F10.D

Ret Time	Area	Type	Width	Ref#	ppb	Name
1.837	128972	VV	0.053	1	21.237	Tert-Methylbutyl Ether
3.316	387917	PV	0.053	1	21.043	Benzene
4.287	98866	PB	0.061	1	15.670	A,A,A-TRIFLUOROTOLUENE
5.594	373323	PV	0.057	1	20.851	Toluene
7.341	385532	PV	0.058	1	21.088	Chlorobenzene
7.705	334716	VV	0.060	1	20.908	Ethylbenzene
8.010	796275	VV	0.064	1	35.977	M,P-Xylene
8.531	327803	VV	0.061	1	21.364	O-Xylene
9.063	229575	PV	0.060	1	16.783	4-BROMOFLUOROBENZENE
10.885	309938	BV	0.060	1	20.427	1,3-Dichlorobenzene
11.005	360978	VV	0.066	1	22.204	1,4-Dichlorobenzene
11.494	249630	VV	0.063	1	21.199	1,2-Dichlorobenzene



Data File Name	: C:\HPCHEM\2\DATA\b080896\60808F10.D		
Operator	: Doug Anderson	Page Number	: 1
Instrument	: GC6	Vial Number	: 10
Sample Name	: 20ppb 8020 ccv	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Aug 96 03:45 PM	Instrument Method	: 6B080196.MTH
Report Created on	: 08 Aug 96 04:12 PM	Analysis Method	: 6B080196.MTH
Last Recalib on	: 02 AUG 96 08:16 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): 108032
Batch No: 080896BW Date Analyzed: 8/8/96
Lab File ID: 60808F11 Time Analyzed: 16:18
Lab Sample ID: AB36630 Level: Low
Instrument ID: GC6 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	AB37090 LCS	60808F12	8/8/96
2	NA	AB37091 MS	60808F13	8/8/96
3	NA	AB37092 MSD	60808F14	8/8/96
4	8101-TK94C-S1	AB36628	60808F15	8/8/96
5	8101-TK94-S1	AB36629	60808F16	8/8/96
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: 108032 Matrix Spike/Lab Sample No: AB36628 REF
Batch No: 080896BW AB37091 MS
Lab File ID: 60808F13/60808F14 AB37092 MSD

Compound	Spike Added (ug/Kg)	Sample Conc (ug/Kg)	MS Conc (ug/Kg)	MS % Recovery	#	QC Limits Recovery
Benzene	20	ND	15	75		40-160
Toluene	20	ND	15	74		40-160
Ethylbenzene	20	ND	14	70		40-160
m,p-Xylene	40	ND	24	61		40-160
o-Xylene	20	ND	14	71		40-160

Compound	Spike Added (ug/Kg)	MSD Conc (ug/Kg)	MSD % Recovery	#	% RPD	#	QC Limits RPD	QC Limits Recovery
Benzene	20	15	74		2		30	40-160
Toluene	20	14	71		4		30	40-160
Ethylbenzene	20	13	67		4		30	40-160
m,p-Xylene	40	23	58		4		30	40-160
o-Xylene	20	14	70		2		30	40-160

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
ND = Not Detected

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QA/QC Officer

Comments: _____

BTEX LCS Recoveries (Soil)

Lab Name: EcoSys, Inc.
Ledger No: 108032
Batch No: 080896BW
Lab File ID: 60808F12

Client: ACE-SAD
Laboratory Control Sample No: AB37090
Level (Low/Med): Low
Matrix: Soil

Compound	Spike Added (ug/Kg)	LCS Conc (ug/Kg)	LCS % Recovery	#	QC Limits Recovery
Benzene	20	22	112		40-160
Toluene	20	23	113		40-160
Ethylbenzene	20	23	114		40-160
m,p-Xylene	40	39	97		40-160
o-Xylene	20	24	118		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): 108032			
Batch No.: 080896BW		Matrix:	Soil
GC Column : DB-VXR		Level:	Low

Lab Sample No.	A,A,A-Trifluorotoluene %Rec	#	4-Bromofluorobenzene %Rec	#	Total Out
AB36630 MB	90		99		0
AB37090 LCS	91		105		0
AB37091 MS	61		66		0
AB37092 MSD	64		65		0
AB36628	65		68		0
AB36629	94		87		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:

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

Ledger No: 108032 DFTPP Injection Date: 7/26/96

Lab File ID: DFTPP072696 DFTPP Injection Time: 7:04

Instrument ID: MSD-3 Batch Number: 0802960008

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	59.0	
68	Less than 2.0% of mass 69	0.0	
69	Mass 69 relative abundance	82.9	(1)
70	Less than 2.0% of mass 69	0.5	
127	40.0 - 60.0% of mass 198	54.2	
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	6.5	
275	10.0 - 30.0% of mass 198	23.0	
365	Greater than 1% of mass 198	2.5	
441	Present, but less than mass 443	75.7	
442	Greater than 40% of mass 198	59.1	
443	17.0 - 23.0% of mass 442	20.4	(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	STD	INITIAL CAL-1	BNA0201002	07/26/96	8:50 AM
02	STD	INITIAL CAL-2	BNA0301003	07/26/96	9:42 AM
03	STD	INITIAL CAL-3	BNA0601006	07/26/96	12:37 PM
04	STD	INITIAL CAL-4	BNA0401004	07/26/96	10:41 AM
05	STD	INITIAL CAL-5	BNA0501005	07/26/96	11:40 AM
06					
07					
08					

NA: Not Applicable

Comments:

QA/QC OFFICER

EcoSys, Inc.

Data file : /chem/msd3.i/3-072696.b/dftpp072696.d
Lab. Id. : DFTPP02
Inj Date : 26-JUL-96 07:04 Autotune Date: 26-Jul-96 07:03:3
Operator : BINA Inst ID: msd3.i
Smp Info : 50ng OF DFT-05-(39)
Misc Info : INSTRUMENT TUNE FOR msd3.i
Comment :
Method : /chem/msd3.i/3-072696.b/dftpp288.m
Meth Date : 26-Jul-1996 06:48
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)	FINAL (ug/L)	TARGET RANGE		RATIO
1 dftpp					CAS #: 5074-71-5		
7.474(0.000)	198	161282					100.00(Q)
7.474(0.000)	51	90538			0.00-	0.00	56.14
7.474(0.000)	68	0			0.00-	0.00	0.00
7.474(0.000)	69	122946			0.00-	0.00	76.23
7.474(0.000)	70	288			0.00-	0.00	0.23
7.474(0.000)	127	83498			0.00-	0.00	51.77
7.474(0.000)	197	0			0.00-	0.00	0.00
7.474(0.000)	199	10388			0.00-	0.00	6.44
7.474(0.000)	275	36589			0.00-	0.00	22.69
7.474(0.000)	365	4269			0.00-	0.00	2.65
7.474(0.000)	441	16298			0.00-	0.00	77.26
7.474(0.000)	442	108762			0.00-	0.00	67.44
7.474(0.000)	443	21094			0.00-	0.00	19.39

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

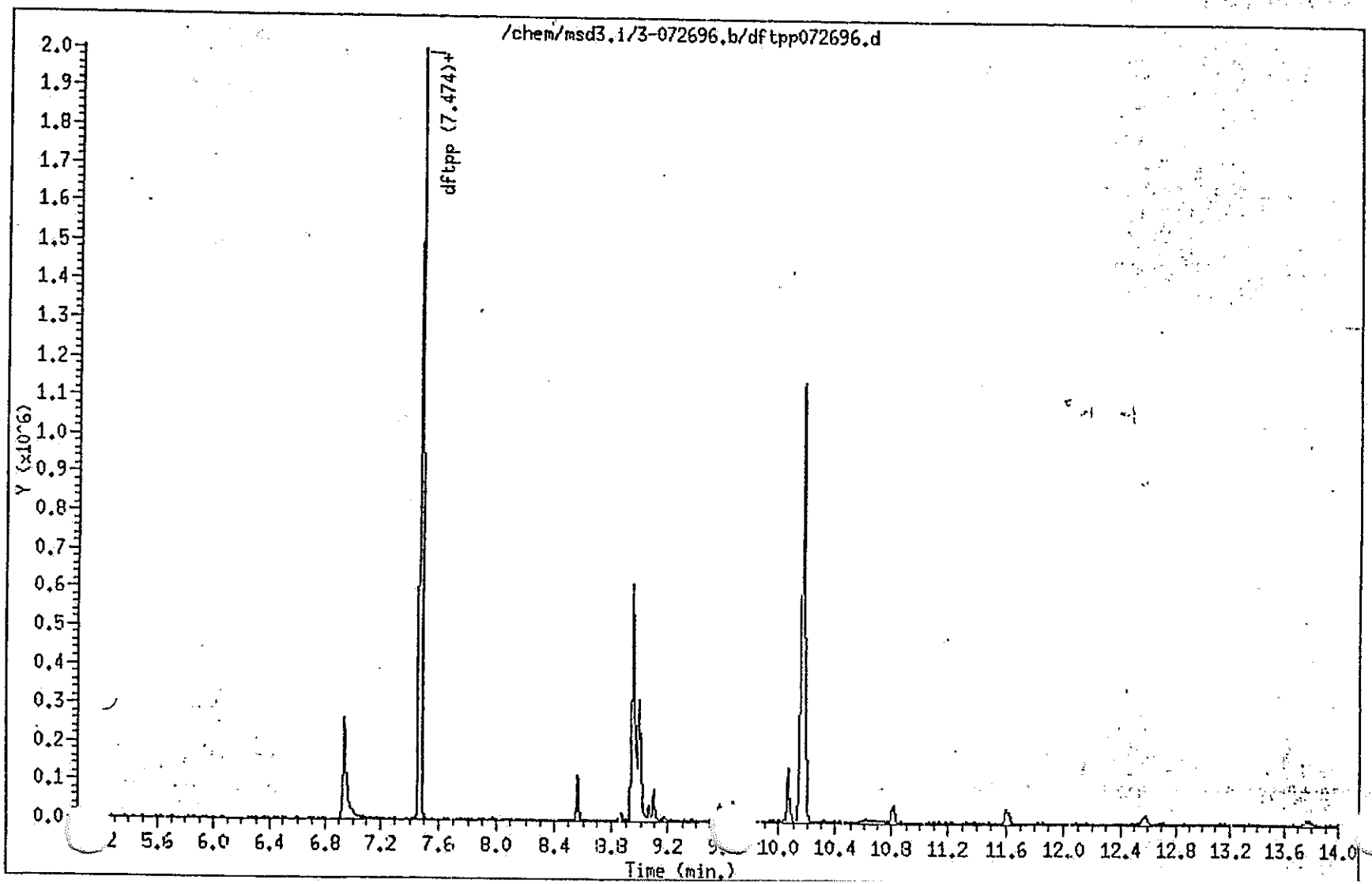
Client SDG: 3-072696.b
Sample Date:
Sample Point:
Date Received:

Level: LOW
Column Number: 1

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

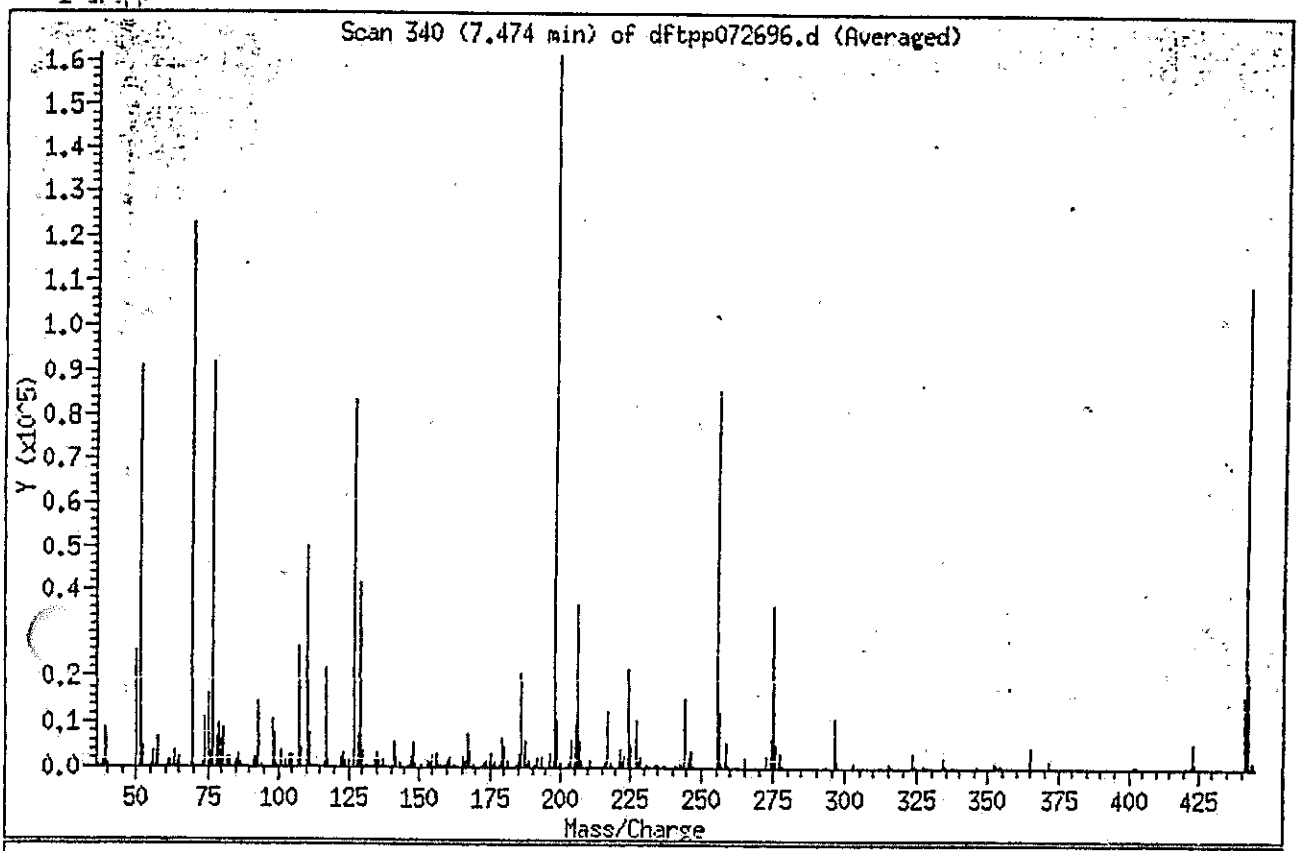
Data File: /chem/msd3.i/3-072696.b/dftpp072696.d
Date : 26-JUL-96 07:04
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 2.00



Data File: /chem/msd3.i/3-072696.b/dftpp072696.d
Date : 26-JUL-96 07:04
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	56.1
68	Mass 68 relative abundance	0.0
69	Mass 69 relative abundance	76.2
70	Mass 70 relative abundance	0.2
127	Mass 127 relative abundance	51.8
197	Mass 197 relative abundance	0.0
199	Mass 199 relative abundance	6.4
275	Mass 275 relative abundance	22.7
365	Mass 365 relative abundance	2.6
441	Mass 441 relative abundance	77.3
442	Mass 442 relative abundance	67.4
443	Mass 443 relative abundance	19.4

Data File: /chem/msd3.i/3-072696.b/dftpp072696.d
Date : 26-JUL-96 07:04
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

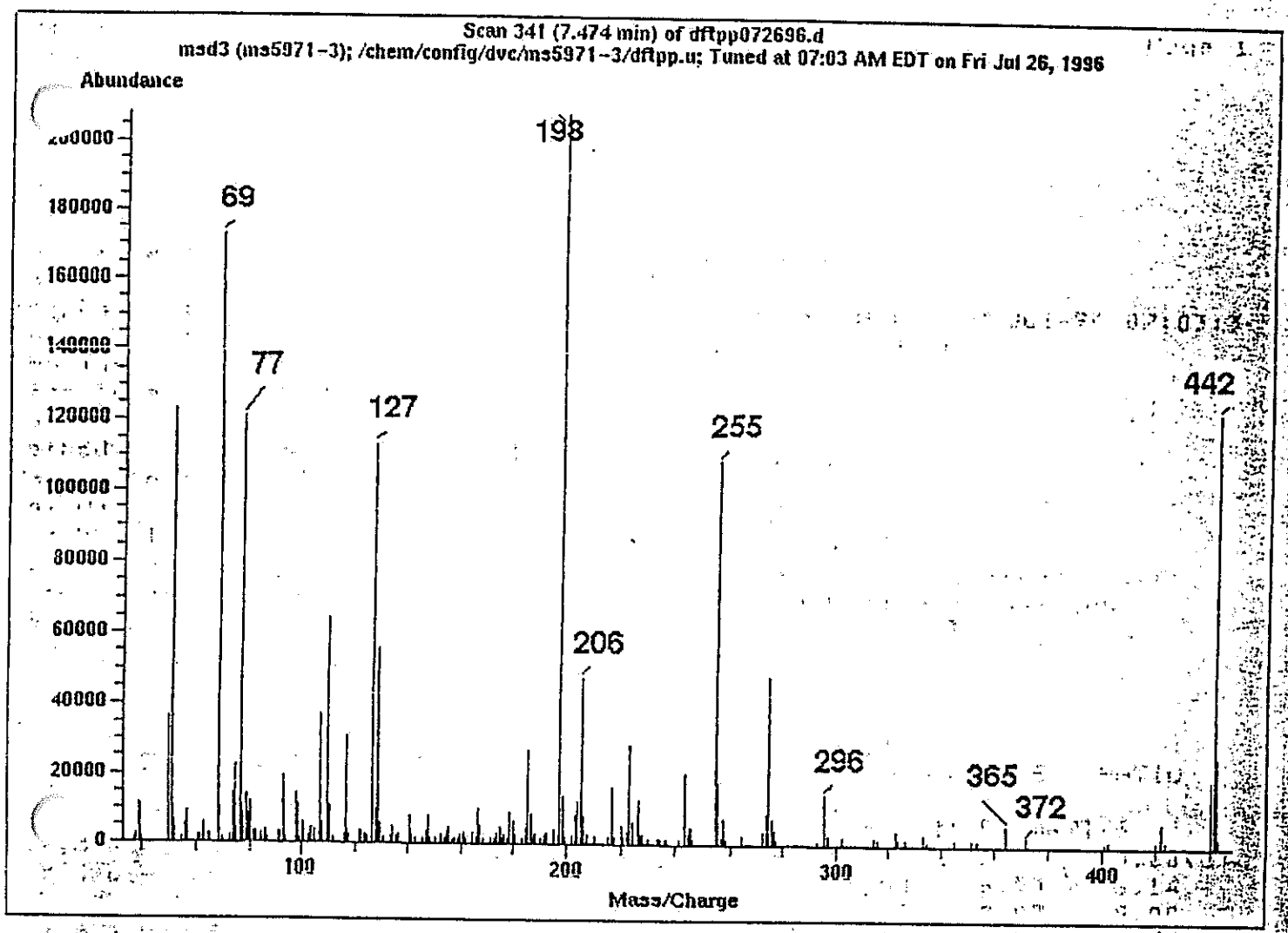
Spectrum: Scan 340-342 (7.474 min) Subtraction Scan 336
Base Peak: 198.00
Number of mass peaks: 176

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
37.00	294	116.00	1147	178.00	581	247.00	294
38.00	1594	117.00	21592	179.00	6531	255.00	85365
39.00	8236	118.00	1435	180.00	4582	256.00	12547
50.00	25781	122.00	2205	181.00	1703	257.00	1144
51.00	90538	123.00	2922	184.00	273	258.00	5344
52.00	4356	124.00	1404	185.00	3007	259.00	668
55.00	666	125.00	1272	186.00	20524	265.00	1935
56.00	3236	127.00	83498	187.00	5955	273.00	2634
57.00	6329	128.00	7516	188.00	600	274.00	6281
61.00	1403	129.00	41306	189.00	1447	275.00	36589
62.00	1632	130.00	3674	191.00	689	276.00	4968
63.00	3583	131.00	315	192.00	1780	277.00	3041
65.00	1901	134.00	1256	193.00	2098	278.00	534
69.00	122946	135.00	3185	196.00	2959	293.00	551
70.00	288	136.00	1273	198.00	161282	296.00	10659
73.00	1145	137.00	1359	199.00	10388	297.00	1623
74.00	10834	141.00	5209	200.00	786	303.00	937
75.00	16463	142.00	1746	203.00	1061	315.00	947
76.00	2907	143.00	1011	204.00	5961	316.00	279
77.00	91645	146.00	614	205.00	9199	323.00	3004
78.00	6501	147.00	2581	206.00	36666	324.00	637
79.00	9445	148.00	5416	207.00	5713	327.00	583
80.00	5770	149.00	1059	208.00	1391	334.00	2101
81.00	8218	151.00	318	211.00	1428	335.00	251
82.00	1922	153.00	1574	216.00	1023	346.00	554
83.00	1824	154.00	997	217.00	12088	352.00	780
85.00	1485	155.00	2487	218.00	1056	353.00	366
86.00	2364	156.00	3128	221.00	4164	354.00	719
87.00	994	157.00	249	222.00	1485	365.00	4269
91.00	2167	158.00	660	223.00	2531	366.00	244
92.00	2182	159.00	291	224.00	21599	372.00	1386
93.00	14127	160.00	1621	225.00	4876	402.00	601
94.00	326	161.00	1995	227.00	10222	403.00	678
98.00	10321	162.00	297	228.00	1438	421.00	637
99.00	7511	165.00	1949	229.00	1909	422.00	341

Data File: /chem/msd3.i/3-072696.b/dftpp072696.d
Date : 26-JUL-96 07:04
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scan 340-342 (7.474 min) Subtraction Scan 336
Base Peak: 198.00
Number of mass peaks: 176

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
100.00	265	166.00	1448	231.00	617	423.00	5406
101.00	3680	167.00	7252	234.00	303	424.00	740
103.00	1492	168.00	3240	235.00	375	441.00	16298
104.00	2497	169.00	271	237.00	273	442.00	108762
105.00	2304	172.00	418	241.00	254	443.00	21034
107.00	26522	173.00	975	242.00	759	444.00	1616
108.00	3937	174.00	1715	243.00	269		
110.00	49800	175.00	2981	244.00	15144		
111.00	7299	176.00	542	245.00	2063		
112.00	387	177.00	1480	246.00	3555		



Mass	Ion abundance criteria	%relative abundance
51	30.0 - 60.0% of mass 198	59.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance is	82.9
70	Less than 2.0% of mass 69	0.5
127	40.0 to 60.0% of mass 198	54.2
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	6.5
275	10.0 - 30.0% of mass 198	23.0
365	Greater than 1% of mass 198	2.5
441	Present, but less than mass 443	75.7
442	Greater than 40.0% of mass 198	59.1
443	17.0 - 23.0% of mass 442	20.4

EcoSys, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-MAR-1993 11:35
End Cal Date : 26-JUL-1996 12:37
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 2.20
Integrator : HP RTE
Method file : /chem/msd3.i/072696.b/MA-BNA_2.m
Cal Date : 16-Aug-1996 10:34 target

Calibration File Names:
Level 1: /chem/msd3.i/3-072696.b/BNA0201002.d
Level 2: /chem/msd3.i/3-072696.b/BNA0301003.d
Level 3: /chem/msd3.i/3-072696.b/BNA0601006.d
Level 4: /chem/msd3.i/3-072696.b/BNA0401004.d
Level 5: /chem/msd3.i/3-072696.b/BNA0501005.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
iline	1.99032	2.07605	2.13815	2.21344	2.08587	2.10077	3.920
4 Phenol **	2.06395	1.92241	1.92035	1.41411	1.78794	1.82175	13.608
5 Bis(2-chloroethyl) ether	1.81854	1.64686	1.56772	1.57310	1.46877	1.61500	8.063
6 2-Chlorophenol	1.47828	1.43605	1.41840	1.36306	1.26812	1.39278	5.818
7 1,3-Dichlorobenzene	1.58855	1.43483	1.45129	1.36650	1.40184	1.44860	5.848
9 1,4-Dichlorobenzene **	1.59544	1.50041	1.46226	1.40242	1.45937	1.48398	4.815
10 1,2-Dichlorobenzene	1.60551	1.46654	1.43850	1.35820	1.38256	1.45026	6.682
11 Benzyl alcohol	1.66221	1.71315	1.77957	1.87893	1.75241	1.75725	4.615
12 2-Methylphenol	1.41717	1.26815	1.25065	1.31127	1.17297	1.28404	6.984
13 Bis(2-chloroisopropyl) ether	2.64188	2.35390	2.30300	2.25931	2.08053	2.32773	8.746
14 4-Methylphenol	1.40387	1.37568	1.38172	1.29110	1.14327	1.31913	8.130
15 N-Nitrosodi-n-propylamine *	1.62533	1.42314	1.40418	1.35574	1.27165	1.41601	9.240
16 Hexachloroethane	0.94797	0.86678	0.82493	0.78240	0.79196	0.84281	8.000
18 Nitrobenzene	0.60523	0.63355	0.73674	0.93803	0.88180	0.76307	18.799
19 Isophorone	1.12293	1.18121	1.15915	1.21171	1.10047	1.15510	3.853
20 2-Nitrophenol **	0.26796	0.28685	0.28003	0.26998	0.25857	0.27268	4.032
21 2,4-Dimethylphenol	0.47995	0.50006	0.49314	0.49721	0.45466	0.48500	3.841
22 Bis(2-Chloroethoxy)methane	0.63280	0.57679	0.55661	0.55462	0.50364	0.56489	8.245
23 2,4-Dichlorophenol **	0.28023	0.29723	0.31099	0.32806	0.29383	0.30207	6.021
24 Benzoic acid	+++++	0.17171	0.19942	0.15042	0.19224	0.17845	12.367
25 1,2,4-Trichlorobenzene	0.37317	0.38390	0.38300	0.36038	0.37208	0.37451	2.560
27 Naphthalene	1.14599	1.08079	1.02580	0.99615	1.02519	1.05478	5.638
28 4-Chloroaniline	0.38051	0.36773	0.41234	0.42362	0.39691	0.39622	5.742
29 Hexachlorobutadiene **	0.29876	0.30487	0.30325	0.29335	0.29185	0.29841	1.938
30 4-Chloro-3-methylphenol **	0.42007	0.45028	0.42799	0.42803	0.39502	0.42428	4.681
3 ethylnaphthalene	0.66557	0.63521	0.69991	0.91631	0.91042	0.76548	17.889
32 xachlorocyclopentadiene *	0.21479	0.32703	0.37123	0.37674	0.39049	0.33606	21.376
33 2,4,6-Trichlorophenol **	0.32996	0.35541	0.34788	0.35766	0.33636	0.34545	3.476
34 2,4,5-Trichlorophenol	0.37034	0.38705	0.40724	0.41700	0.39318	0.39496	4.580

EcoSys, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-MAR-1993 11:35
End Cal Date : 26-JUL-1996 12:37
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 2.20
Integrator : HP RTE
Method file : /chem/msd3.i/072696.b/MA-BNA_2.m
Cal Date : 16-Aug-1996 10:34 target

Calibration File Names:
Level 1: /chem/msd3.i/3-072696.b/BNA0201002.d
Level 2: /chem/msd3.i/3-072696.b/BNA0301003.d
Level 3: /chem/msd3.i/3-072696.b/BNA0601006.d
Level 4: /chem/msd3.i/3-072696.b/BNA0401004.d
Level 5: /chem/msd3.i/3-072696.b/BNA0501005.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
-Chloronaphthalene	1.16197	1.08857	1.07025	1.02127	1.03698	1.07581	5.112
37 2-Nitroaniline	0.50948	0.57626	0.57669	0.62845	0.57830	0.57384	7.372
38 Dimethyl phthalate	1.55333	1.44749	1.38503	1.43301	1.26990	1.41775	7.264
39 2,6-Dinitrotoluene	0.34848	0.35078	0.32711	0.31799	0.30429	0.32973	6.041
40 Acenaphthylene	1.83114	1.68319	1.57228	1.48624	1.50075	1.61472	8.911
41 3-Nitroaniline	0.23793	0.21048	0.27048	0.29712	0.27562	0.25833	13.209
43 Acenaphthene **	1.11816	1.04359	1.00351	0.95906	0.94815	1.01450	6.827
44 2,4-Dinitrophenol *	+++++	0.07914	0.11845	0.16255	0.15211	0.12806	29.404
45 4-Nitrophenol *	0.06036	0.06641	0.06980	0.06242	0.05521	0.06284	8.921
46 2,4-Dinitrotoluene	0.38945	0.43173	0.42783	0.44737	0.39980	0.41924	5.703
47 Dibenzofuran	1.53151	1.45395	1.38547	1.34183	1.28694	1.39994	6.831
48 Diethyl phthalate	1.65571	1.49756	1.47624	1.53194	1.37225	1.50674	6.795
49 4-Chlorophenyl phenyl ether	0.64365	0.58641	0.58133	0.56334	0.53906	0.58276	6.651
50 Fluorene	1.16689	1.07235	1.07017	1.03293	0.98767	1.06600	6.199
51 4-Nitroaniline	0.15829	0.14559	0.16135	0.23448	0.20830	0.18160	20.895
52 4,6-Dinitro-2-methylphenol	+++++	0.16564	0.19017	0.20592	0.19022	0.18799	8.852
53 N-Nitrosodiphenylamine **	0.53314	0.48882	0.47347	0.43284	0.41506	0.46867	9.976
54 1,2-Diphenylhydrazine	3.55222	3.29817	2.94824	3.14072	2.82900	3.15367	9.073
56 4-Bromophenyl phenyl ether	0.32780	0.32784	0.31502	0.30509	0.30290	0.31573	3.783
57 Hexachlorobenzene	0.35108	0.34675	0.34977	0.32238	0.33310	0.34061	3.655
58 Pentachlorophenol **	+++++	0.04811	0.07417	0.10031	0.06664	0.07231	29.935
60 Phenanthrene	1.18098	1.11355	1.07471	1.04686	0.99900	1.08302	6.358
61 Anthracene	1.13347	1.10892	1.05786	1.02250	0.97282	1.05911	6.119
62 Carbazole	0.98878	1.05507	1.11384	1.07677	0.96204	1.03930	6.034
63 Di-n-butyl phthalate	1.89432	1.70663	1.68191	1.67638	1.43689	1.67923	9.683
uoranthene **	0.99623	1.01020	1.01715	1.00868	0.93752	0.99395	3.264
yrene	1.85109	1.82172	1.80850	1.71711	1.72271	1.78423	3.404
67 Butyl benzyl phthalate	1.00168	0.98201	1.01280	1.05024	0.95849	1.00104	3.436
68 Dioctyl adipate	0.80660	0.74605	0.74831	0.74202	0.67940	0.74448	6.051

EcoSys, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-MAR-1993 11:35
End Cal Date : 26-JUL-1996 12:37
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 2.20
Integrator : HP RTE
Method file : /chem/msd3.i/072696.b/MA-BNA_2.m
Cal Date : 16-Aug-1996 10:34 target

Calibration File Names:
Level 1: /chem/msd3.i/3-072696.b/BNA0201002.d
Level 2: /chem/msd3.i/3-072696.b/BNA0301003.d
Level 3: /chem/msd3.i/3-072696.b/BNA0601006.d
Level 4: /chem/msd3.i/3-072696.b/BNA0401004.d
Level 5: /chem/msd3.i/3-072696.b/BNA0501005.d

	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	%RSD/R^2
	,3'-Dichlorobenzidine	0.25785	0.18576	0.25785	0.38889	0.25787	0.26965	27.299
70	Bis(2-ethylhexyl) phthalate	1.40875	1.29500	1.31791	1.42362	1.22502	1.33406	6.190
71	Benz(a)anthracene	1.28757	1.25245	1.26275	1.27087	1.25631	1.24999	1.978
73	Chrysene	1.22497	1.20571	1.20674	1.16866	1.14708	1.19063	2.671
74	Di-n-octyl phthalate **	2.96574	2.89367	2.81500	2.69027	2.65137	2.80321	4.738
75	Benzo(b)fluoranthene	1.41246	1.53121	1.49130	1.41073	1.53581	1.47630	4.169
76	Benzo(k)fluoranthene	1.61230	1.60490	1.65974	1.59555	1.42516	1.57953	5.684
77	Benzo(a)pyrene **	1.34213	1.44077	1.39781	1.33381	1.40598	1.38410	3.265
79	Indeno(1,2,3-cd)pyrene	1.06004	1.20768	1.25028	1.22066	1.26839	1.20141	6.872
80	Dibenz(a,h)anthracene	1.05009	1.17568	1.27917	1.26556	1.29958	1.21402	8.497
81	Benzo(g,h,i)perylene	1.06004	1.20768	1.25028	1.22066	1.26839	1.20141	6.872
$ 1	2-Fluorophenol	1.23558	1.19812	1.25711	1.39995	1.28848	1.27585	6.017
$ 2	Phenol-d5	1.97777	1.74166	1.91037	1.99768	1.82372	1.89024	5.680
$ 17	Nitrobenzene-d5	0.72433	0.74967	0.72664	0.73600	0.69999	0.72733	2.508
$ 35	2-Fluorobiphenyl	1.49863	1.33275	1.29888	1.29596	1.28469	1.34218	6.652
$ 55	2,4,6-Tribromophenol	0.14878	0.18730	0.20422	0.22032	0.20714	0.19355	14.289
$ 66	Terphenyl-d14	1.23812	1.20243	1.20455	1.20378	1.18220	1.20621	1.667

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

Ledger No: 108032 DFTPP Injection Date: 8/2/96

Lab File ID: DFTPP080296 DFTPP Injection Time: 14:49

Instrument ID: MSD-3 Batch Number: 0802960008

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	54.6	
68	Less than 2.0% of mass 69	0.0	
69	Mass 69 relative abundance	68.2	(1)
70	Less than 2.0% of mass 69	0.5	
127	40.0 - 60.0% of mass 198	49.4	
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	22.9	
365	Greater than 1% of mass 198	2.7	
441	Present, but less than mass 443	69.9	
442	Greater than 40% of mass 198	68.4	
443	17.0 - 23.0% of mass 442	21.3	(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	08/02/96	3:11 PM
02	NA	AB36630 MB	BNA0201002	08/02/96	4:01 PM
03	NA	AB36702 LCS	BNA0301003	08/02/96	4:51 PM
04	NA	AB36700 MS	BNA0801008	08/02/96	9:13 PM
05	NA	AB36701 MSD	BNA0901009	08/02/96	10:03 PM
06	8101-TK94C-S1	AB36628	BNA0701007	08/02/96	8:19 PM
07	8101-TK94-S1	AB36629	BNA1001010	08/02/96	10:55 PM
08					

NA: Not Applicable

Comments:

QA/QC OFFICER

EcoSys, Inc.

Data file : /chem/msd3.i/3-080296.b/DFTPP080296.d
Lab. Id. : DFTPP02
Inj Date : 02-AUG-96 14:49 Autotune Date: 29-Jul-96 08:01:1
Operator : GORDON Inst ID: msd3.i
Smp Info : 50ng DF DFT-05-(39)
Misc Info : INSTRUMENT TUNE FOR msd3.i
Comment :
Method : /chem/msd3.i/3-080296.b/dftpp288.m
Meth Date : 02-Aug-1996 06:44
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)	FINAL (ug/L)	TARGET RANGE		RATIO
dftpp					CAS #: 5074-71-5		
7.473(0.000)	198	95029					100.00(Q)
7.473(0.000)	51	51728			0.00-	0.00	54.43
7.473(0.000)	68	0			0.00-	0.00	0.00
7.473(0.000)	69	68466			0.00-	0.00	72.05
7.473(0.000)	70	0			0.00-	0.00	0.00
7.473(0.000)	127	48605			0.00-	0.00	51.15
7.473(0.000)	197	0			0.00-	0.00	0.00
7.473(0.000)	199	5906			0.00-	0.00	6.21
7.473(0.000)	275	21696			0.00-	0.00	22.83
7.473(0.000)	365	2478			0.00-	0.00	2.61
7.473(0.000)	441	9919			0.00-	0.00	73.90
7.473(0.000)	442	65272			0.00-	0.00	68.69
7.473(0.000)	443	13423			0.00-	0.00	20.56

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

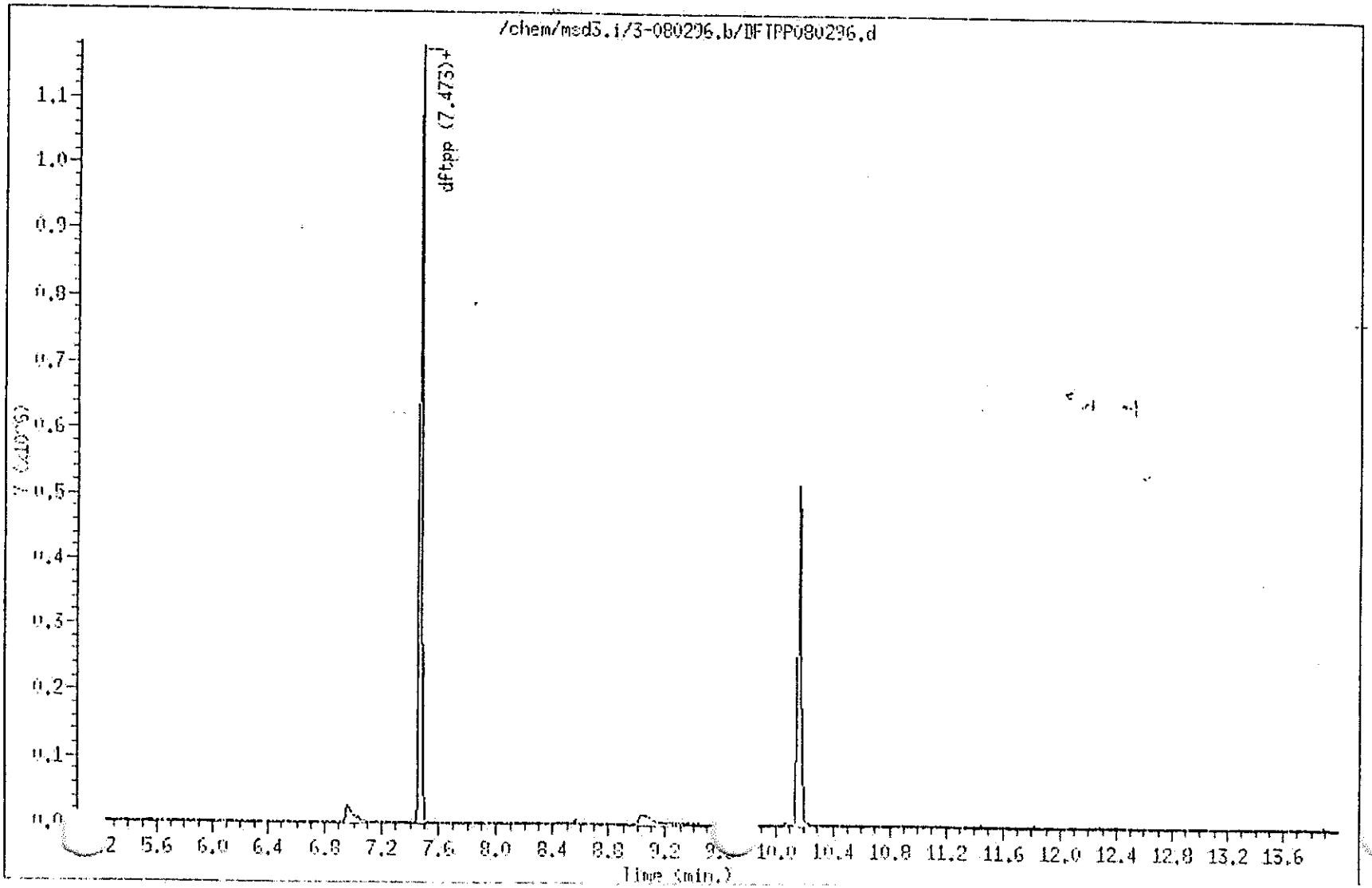
Client SDG: 3-080296.b
Sample Date:
Sample Point:
Date Received:

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/3-080296.b/DFTPP080296.d
Date : 02-AUG-96 14:49
Instrument : msd3.i
Sample ID : DFTPP02
Column phase :
Volume Injected (uL) : 1.0

Column diameter : 2.00



Data File: /chem/msd3.i/3-080296.b/DFTPP080296.d

Date : 02-AUG-96 14:49

rument : msd3.i

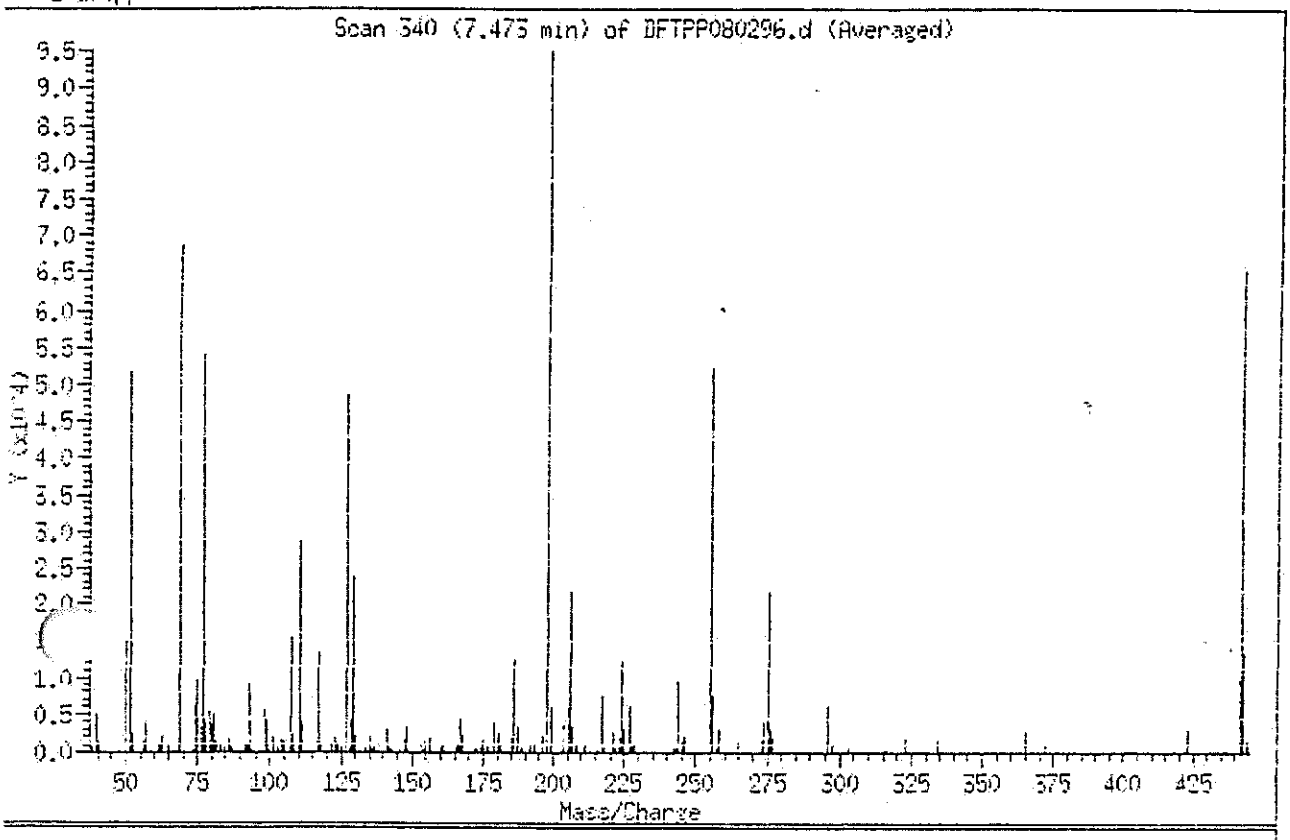
Sample ID : DFTPP02

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp

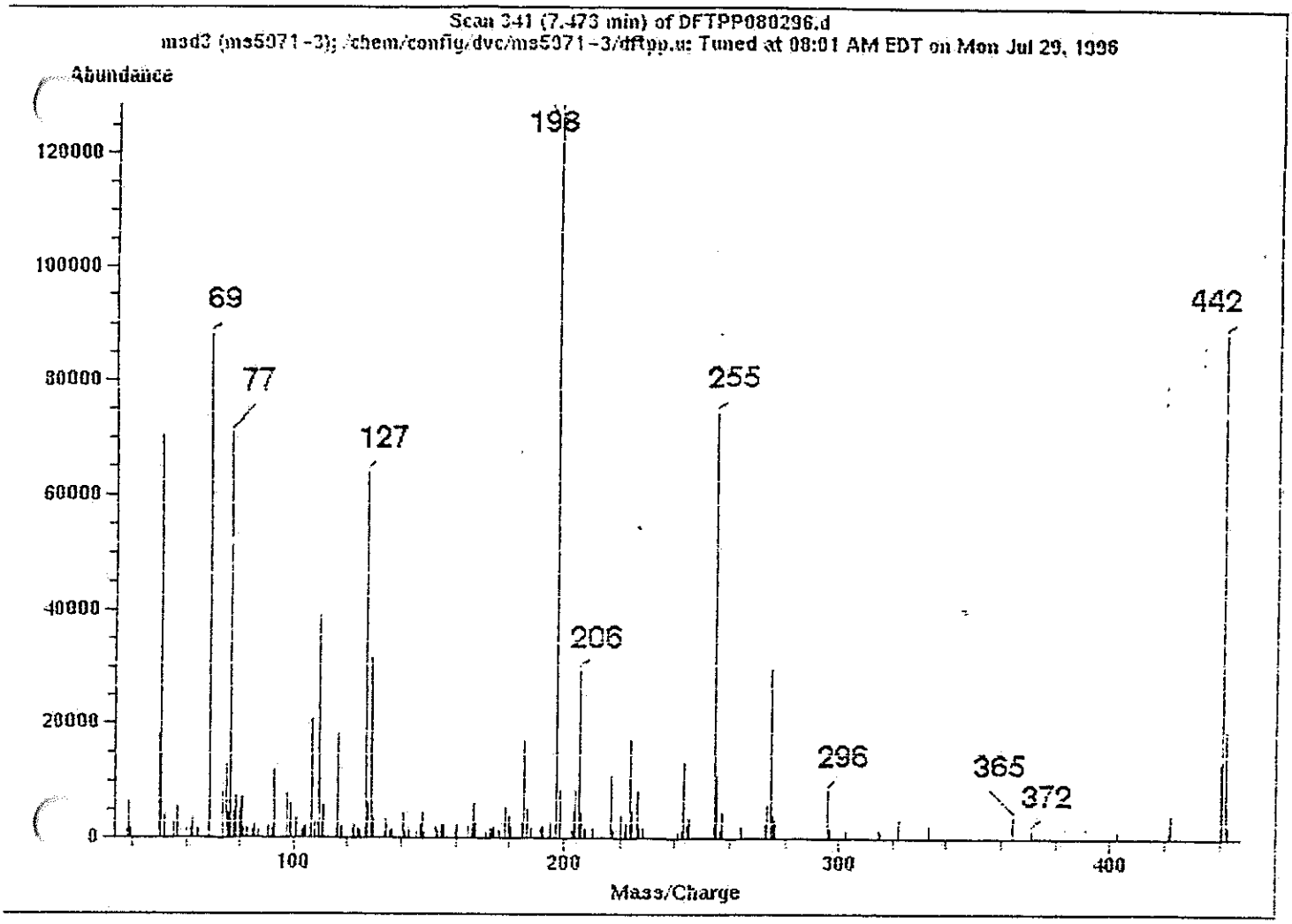


m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	Mass 51 relative abundance	54.4
68	Mass 68 relative abundance	0.0
69	Mass 69 relative abundance	72.0
70	Mass 70 relative abundance	0.0
127	Mass 127 relative abundance	51.1
197	Mass 197 relative abundance	0.0
199	Mass 199 relative abundance	6.2
275	Mass 275 relative abundance	22.8
365	Mass 365 relative abundance	2.6
441	Mass 441 relative abundance	73.9
442	Mass 442 relative abundance	68.7
443	Mass 443 relative abundance	20.6

Date : 02-AUG-96 14:49
Instrument : med3.i
Sample ID : DFTPP02
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scan 340-342 (7.475 min) Subtraction Scan 336
Base Peak: 198.00
Number of mass peaks: 139

Mass	Abund	Mass	Abund	Mass	Abund	Mass	Abund
38.00	725	104.00	1439	166.00	757	227.00	6079
39.00	4997	105.00	1199	167.00	4222	228.00	742
50.00	14740	107.00	15456	168.00	1925	229.00	868
51.00	51728	108.00	1994	172.00	502	242.00	531
52.00	2404	110.00	28738	175.00	395	243.00	655
56.00	1525	111.00	3840	174.00	836	244.00	9705
57.00	3774	116.00	1062	175.00	1492	245.00	1413
61.00	783	117.00	13354	177.00	595	246.00	2122
62.00	738	118.00	936	179.00	3735	255.00	52448
63.00	2143	122.00	938	180.00	2446	256.00	7464
65.00	821	123.00	1666	181.00	894	257.00	552
69.00	68466	124.00	785	185.00	1613	258.00	2971
73.00	252	125.00	686	186.00	12371	265.00	1217
74.00	6069	127.00	48605	187.00	3320	273.00	1575
75.00	9661	128.00	4262	189.00	679	274.00	4029
76.00	3330	129.00	23730	192.00	1121	275.00	21696
77.00	54048	130.00	1921	195.00	1293	276.00	2897
78.00	3836	134.00	529	196.00	1926	277.00	1746
79.00	5107	135.00	1773	198.00	95029	296.00	5986
80.00	3558	136.00	305	199.00	5906	297.00	775
81.00	5079	137.00	687	203.00	335	303.00	558
82.00	1018	141.00	2858	204.00	3462	315.00	332
83.00	759	142.00	592	205.00	5875	316.00	243
85.00	724	143.00	280	206.00	21767	323.00	1759
86.00	1317	146.00	235	207.00	3138	334.00	1327
87.00	602	147.00	1325	208.00	764	365.00	2478
91.00	1053	148.00	3214	211.00	741	372.00	889
92.00	950	149.00	250	216.00	255	403.00	260
95.00	9149	153.00	933	217.00	7621	422.00	246
94.00	243	154.00	317	218.00	720	423.00	2828
98.00	5429	155.00	1176	221.00	2738	441.00	9919
99.00	4210	156.00	1778	222.00	687	442.00	65272
100.00	257	160.00	696	223.00	1716	443.00	13423
101.00	1682	161.00	961	224.00	12239	444.00	1133
103.00	719	165.00	928	225.00	2895		



Mass	Ion abundance criteria	%relative abundance
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance is	68.2
70	Less than 2.0% of mass 69	0.0
127	40.0 to 60.0% of mass 198	49.4
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	22.9
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	69.9
442	Greater than 40.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	21.3

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

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

Injection Date: 02-AUG-1996 15:11
Init. Calibration Date(s): 03/10/93 07/29/96
Init. Calibration Times: 11:35 08:30
Method File: /chem/msd3.i/3-080296.b/MA-BNA_2.m

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D
2-Fluorophenol	1.163	1.323	0.050	13.7	30.0
Phenol-d5	1.838	1.879	0.050	2.2	30.0
Aniline	2.065	2.080	0.050	0.7	30.0
Phenol **	1.799	1.924	0.050	6.9	30.0
Bis(2-chloroethyl) ether	1.619	1.710	0.050	5.6	30.0
2-Chlorophenol	1.388	1.378	0.050	0.7	30.0
1,3-Dichlorobenzene	1.439	1.412	0.050	1.8	30.0
1,4-Dichlorobenzene **	1.483	1.430	0.050	3.6	30.0
1,2-Dichlorobenzene	1.443	1.400	0.050	3.0	30.0
Benzyl alcohol	1.756	1.786	0.050	1.7	30.0
2-Methylphenol	1.284	1.264	0.050	1.5	30.0
Bis(2-chloroisopropyl) ether	2.323	2.508	0.050	8.0	30.0
4-Methylphenol	1.177	1.296	0.050	10.1	30.0
N-Nitrosodi-n-propylamine *	1.418	1.466	0.050	3.3	30.0
Hexachloroethane	0.844	0.880	0.050	4.2	30.0
Nitrobenzene-d5	0.729	0.723	0.050	0.9	30.0
Nitrobenzene	0.770	0.896	0.050	16.3	30.0
Isophorone	1.155	1.219	0.050	5.5	30.0
2-Nitrophenol **	0.270	0.274	0.050	1.2	30.0
2,4-Dimethylphenol	0.486	0.502	0.050	3.4	30.0
Bis(2-Chloroethoxy)methane	0.564	0.569	0.050	1.0	30.0
2,4-Dichlorophenol **	0.301	0.321	0.050	6.6	30.0
Benzoic acid	0.178	0.211	0.010	18.0	30.0
1,2,4-Trichlorobenzene	0.374	0.372	0.050	0.6	30.0
Naphthalene	1.053	1.026	0.050	2.5	30.0
4-Chloroaniline	0.379	0.357	0.050	6.0	30.0
Hexachlorobutadiene **	0.300	0.305	0.050	1.5	30.0
4-Chloro-3-methylphenol **	0.420	0.397	0.050	5.4	30.0
2-Methylnaphthalene	0.754	0.896	0.050	18.8	30.0
Hexachlorocyclopentadiene *	0.328	0.399	0.050	21.7	30.0
2,4,6-Trichlorophenol **	0.339	0.325	0.050	4.1	30.0
2,4,5-Trichlorophenol	0.379	0.344	0.050	9.2	30.0
2-Fluorobiphenyl	1.342	1.201	0.050	10.5	30.0
2-Chloronaphthalene	1.069	0.965	0.050	9.7	30.0
2-Nitroaniline	0.570	0.508	0.050	10.7	30.0
Dimethyl phthalate	1.423	1.335	0.050	6.1	30.0
2,6-Dinitrotoluene	0.328	0.301	0.050	8.2	30.0
Acenaphthylene	1.615	1.530	0.050	5.3	30.0
3-Nitroaniline	0.220	0.192	0.050	12.8	30.0
Acenaphthene **	1.013	0.970	0.050	4.3	30.0
2,4-Dinitrophenol *	0.128	0.118	0.050	8.2	30.0
4-Nitrophenol *	0.099	0.078	0.050	21.6	30.0
2,4-Dinitrotoluene	0.416	0.385	0.050	7.4	30.0
Dibenzofuran	1.400	1.310	0.050	6.5	30.0
Diethyl phthalate	1.508	1.472	0.050	2.4	30.0

EcoSys, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd3.i
Lab File ID: BNA0101001.d
Analysis Type: WATER
Lab Sample ID:
Injection Date: 02-AUG-1996 15:11
Init. Calibration Date(s): 03/10/93 07/29/96
Init. Calibration Times: 11:35 08:30
Method File: /chem/msd3.i/3-080296.b/MA-BNA_2.m

COMPOUND	RRF	RF80	MIN RRF	%D	MAX %D
4-Chlorophenyl phenyl ether	0.578	0.536	0.050	7.4	30.0
Fluorene	1.062	1.029	0.050	3.1	30.0
4-Nitroaniline	0.156	0.122	0.050	21.5	30.0
4,6-Dinitro-2-methylphenol	0.168	0.177	0.050	5.3	30.0
N-Nitrosodiphenylamine **	0.466	0.436	0.050	6.5	30.0
1,2-Diphenylhydrazine	3.235	3.308	0.050	2.3	30.0
2,4,6-Tribromophenol	0.182	0.177	0.050	3.0	30.0
4-Bromophenyl phenyl ether	0.316	0.287	0.050	9.1	30.0
Hexachlorobenzene	0.343	0.354	0.050	3.3	30.0
Pentachlorophenol **	0.058	0.075	0.050	29.9	30.0
Phenanthrene	1.081	1.071	0.050	0.9	30.0
Anthracene	1.056	1.057	0.050	0.2	30.0
Carbazole	0.986	0.957	0.050	3.0	30.0
Di-n-butyl phthalate	1.679	1.836	0.050	9.3	30.0
Fluoranthene **	0.965	1.042	0.050	8.0	30.0
Pyrene	1.809	1.776	0.050	1.8	30.0
Terphenyl-d14	1.224	1.127	0.050	7.9	30.0
Butyl benzyl phthalate	1.012	1.046	0.050	3.4	30.0
Dioctyl adipate	0.765	0.815	0.050	6.6	30.0
3,3'-Dichlorobenzidine	0.254	0.191	0.050	24.6	30.0
Bis(2-ethylhexyl) phthalate	1.352	1.424	0.050	5.3	30.0
Benz(a)anthracene	1.249	1.242	0.050	0.6	30.0
Chrysene	1.190	1.213	0.050	2.0	30.0
Di-n-octyl phthalate **	2.813	2.936	0.050	4.4	30.0
Benzo(b)fluoranthene	1.470	1.573	0.050	7.0	30.0
Benzo(k)fluoranthene	1.554	1.502	0.050	3.4	30.0
Benzo(a)pyrene **	1.386	1.458	0.050	5.2	30.0
Indeno(1,2,3-cd)pyrene	1.188	1.323	0.050	11.4	30.0
Dibenz(a,h)anthracene	1.197	1.234	0.050	3.1	30.0
Benzo(g,h,i)perylene	1.188	1.315	0.050	10.8	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/3-080296.b/MA-BNA_2.m
Misc Info: CONTINUE CALIBRATION

Calibration Date: 08/02/96
Calibration Time: 1600
Sample Type: WATER
Level: LOW

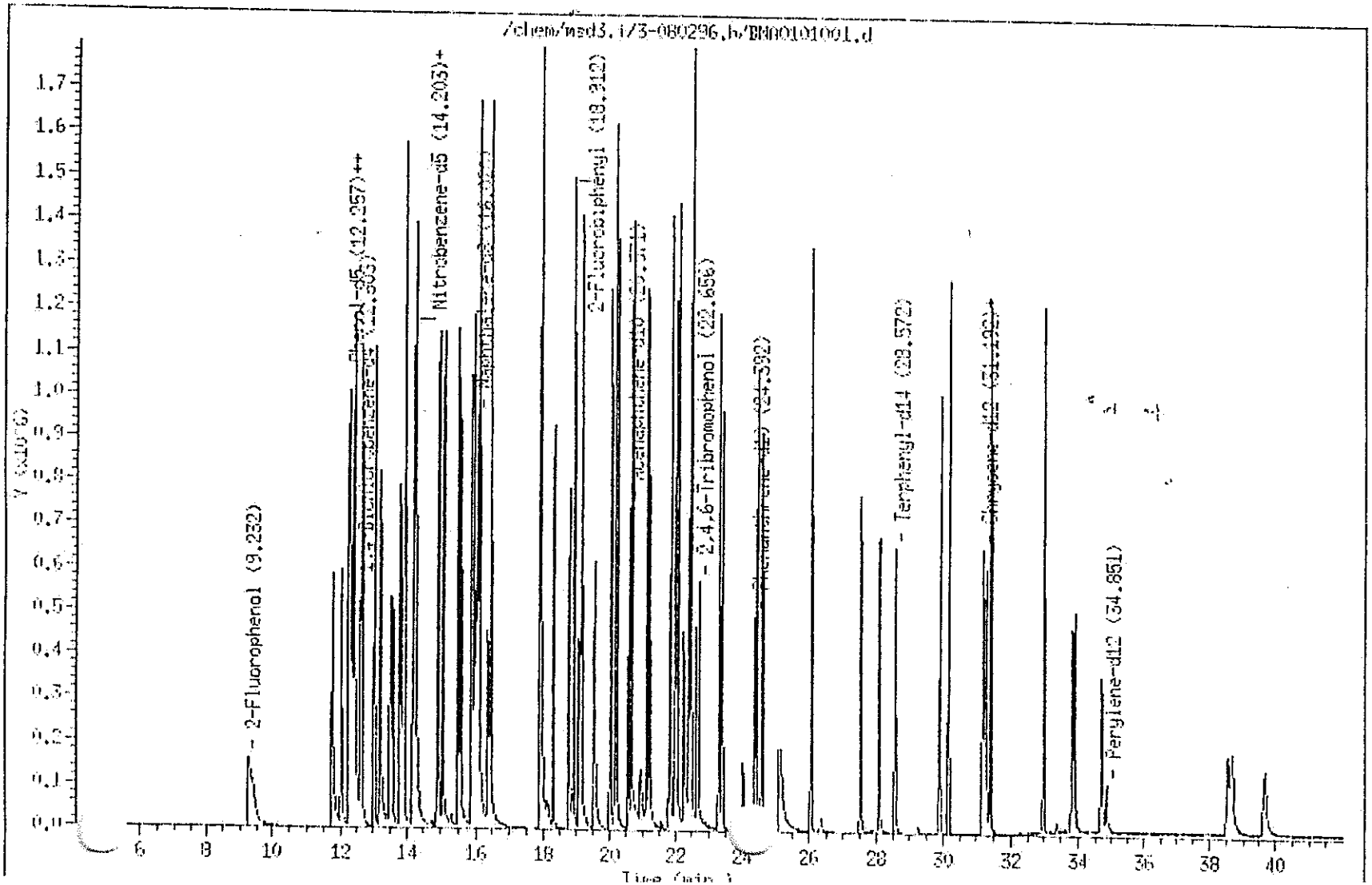
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	166643	83321	333286	166643	0.00
26 Naphthalene-d8	575590	287795	1151180	575590	0.00
42 Acenaphthene-d10	352008	176004	704016	352008	0.00
59 Phenanthrene-d10	383206	191603	766412	383206	0.00
72 Chrysene-d12	228498	114249	456996	228498	0.00
78 Perylene-d12	184520	92260	369040	184520	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
8 1,4-Dichlorobenzene-	12.60	12.10	13.10	12.60	0.00
26 Naphthalene-d8	16.02	15.52	16.52	16.02	0.00
42 Acenaphthene-d10	20.57	20.07	21.07	20.57	0.00
59 Phenanthrene-d10	24.39	23.89	24.89	24.39	0.00
72 Chrysene-d12	31.21	30.71	31.71	31.21	0.00
78 Perylene-d12	34.85	34.35	35.35	34.85	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/3-080296.b/BH00101001.d
Date : 02-AUG-1996 15:11
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): 108032	Extraction Method No.: 3550
Batch No(s): 0802960008	Date Extracted: 8/2/96
Lab File ID: BNA0201002	Date Analyzed: 8/2/96
Lab Sample ID: AB36630	Time Analyzed: 16:01
Cleanup Method: NA	Level: Low
Instrument ID: MSD-3	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	AB36702 LCS	BNA0301003	8/2/96
2	NA	AB36700 MS	BNA0801008	8/2/96
3	NA	AB36701 MSD	BNA0901009	8/2/96
4	8101-TK94C-S1	AB36628	BNA0701007	8/2/96
5	8101-TK94-S1	AB36629	BNA1001010	8/2/96
6				
7				
8				
9				

QA/QC Officer

Comments:

SemiVolatile MS/MSD Recovery

Lab Name: EcoSys, Inc. Client: ACE-SAD
Ledger No(s): 108032 Matrix Spike/Spike dup AB36628 REF
Batch No(s): 0802960008 AB36700 MS
Lab File ID: BNA0801008/BNA0901009 AB36701 MSD

Compound	Spike Added (ug/Kg)	Sample Conc (ug/Kg)	MS Conc (ug/Kg)	MS % Recovery	#	QC Limits Recovery
Phenol	3330	ND	1910	57		26-90
2-Chlorophenol	3330	ND	1990	60		25-102
1,4-Dichlorobezene	1670	ND	1050	63		28-104
N-Nitroso-di-n-propylamine	1670	ND	1030	62		41-126
1,2,4-Trichlorobenzene	1670	ND	1020	61		38-107
4-Chloro-3-methylphenol	3330	ND	2550	77		26-103
Acenapthene	1670	ND	1370	82		31-137
4-Nitrophenol	3330	ND	3430	103		11-114
2,4-Dinitrotoluene	1670	ND	1070	64		28-89
Pentachlorophenol	3330	ND	2900	87		17-109
Pyrene	1670	ND	1380	83		35-142

Compound	Spike Added (ug/Kg)	MSD Conc (ug/Kg)	MSD % Recovery	#	% RPD	#	QC Limits RPD	QC Limits Recovery
Phenol	3330	1480	44		25		35	26-90
2-Chlorophenol	3330	1550	47		25		50	25-102
1,4-Dichlorobezene	1670	872	52		19		27	28-104
N-Nitroso-di-n-propylamine	1670	824	49		22		38	41-126
1,2,4-Trichlorobenzene	1670	833	50		20		23	38-107
4-Chloro-3-methylphenol	3330	2160	65		17		33	26-103
Acenapthene	1670	1140	68		18		19	31-137
4-Nitrophenol	3330	3360	101		2		50	11-114
2,4-Dinitrotoluene	1670	893	53		18		47	28-89
Pentachlorophenol	3330	3240	97		11		47	17-109
Pyrene	1670	1340	80		3		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): 108032 Lab Control Spike: AB36702
Batch No(s): 0802960008
Lab File ID: BNA0301003

Compound	Spike Added (ug/Kg)	Sample Conc (ug/Kg)	LCS Conc (ug/Kg)	LCS % Recovery	#	QC Limits Recovery
Phenol	3330	NR	2120	64		26-90
2-Chlorophenol	3330	NR	2200	66		25-102
1,4-Dichlorobezene	1670	NR	1220	73		28-104
N-Nitroso-di-n-propylamine	1670	NR	1210	72		41-126
1,2,4-Trichlorobenzene	1670	NR	1100	66		38-107
4-Chloro-3-methylphenol	3330	NR	2640	79		26-103
Acenaphthene	1670	NR	1370	82		31-137
4-Nitrophenol	3330	NR	3210	96		11-114
2,4-Dinitrotoluene	1670	NR	1060	63		28-89
Pentachlorophenol	3330	NR	2480	74		17-109
Pyrene	1670	NR	1430	86		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).: 108032 Level: Low

Batch No.(s): 0802960008

Lab Sample No.	S1 (2FP)	#	S2 (PHL)	#	S3 (NBZ)	#	S4 (FBP)	#	S5 (TBP)	#	S6 (TPH)	#	Total Out
AB36630 MB	72		63		74		81		73		97		0
AB36702 LCS	71		68		62		77		70		90		0
AB36700 MS	59		55		55		76		76		84		0
AB36701 MSD	49		44		39		62		70		84		0
AB36628	51		51		52		74		66		84		0
AB36629	41		41		40		59		66		82		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.
Ledger: 108032
Lab Sample ID: AB36630

Client: ACE-SAD
Client Sample ID: Soil Method Blank
Prep Date: 8/8/96
Batch ID: 080896

	ANALYTE	BLANK VALUE	MDL mg/Kg	DATE ANALYZED
1	TPH 418.1	<MDL	5.0	8/8/96
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 Recovery

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 108032	Batch ID: 080896

LCS

	Spike Added mg/Kg	Sample Conc. mg/Kg	LCS Conc. mg/Kg	LCS % Recovery	QC Limits Required
TPH 418.1	227	NR	214	94	80-120

NR = Not Required
ND = Not Detected
NC = Not Calculable due to value(s) less than CRDL

QA/QC Officer

Comments:

General Chemistry Duplicate Recovery

Lab Name: EcoSys, Inc.	Client: ACE-SAD
Ledger No(s): 108032	Batch ID: 080896

Sample AB36629

	Sample Result (mg/Kg)	Dup. Sample Result (mg/Kg)	% RPD
TPH 418.1	ND	ND	NC

RPD Limit 20%
NR = Not Required
ND = Not Detected
NC = Not Calculable due to value(s) less than CRDL

QA/QC Officer

Comments:

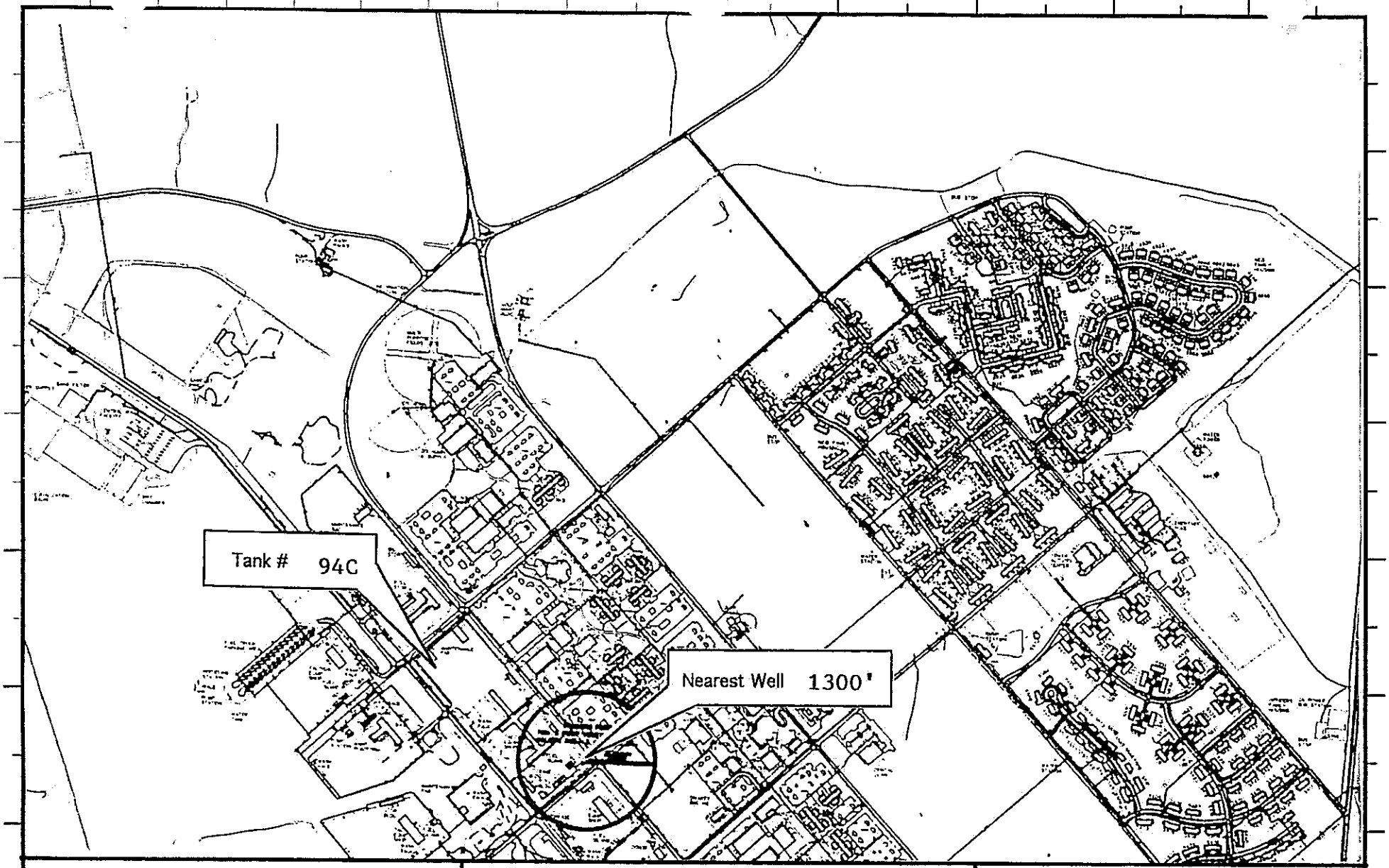
TAB 9

MANIFESTS

NO MANIFESTS ARE APPLICABLE TO THIS CLEAN SITE.

TAB 10

FORT STEWART AREA MAP



LEGEND/REF. DRWG'S

Base map of Fort Stewart.

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

DR. AJR CH'D SRC DR. APP. DFB
ENGR. _____ ENGR'G DEPT. _____
DATE 9 Oct 96 SCALE 1" = 1000'

Area Map for Tank # 94C
Fort Stewart
Hinesville, Georgia

DRAWING NO.: FIGURE 1