

APPENDIX A

SUMP REMOVAL CLOSURE REPORT

**Sump Removal Closure Report
Training Aids Building (Building 267), Parcel 166(7)**

**Fort McClellan
Calhoun County, Alabama**

Prepared for:

**U.S. Army Corps of Engineers, Mobile District
109 St. Joseph Street
Mobile, Alabama 36602**

Prepared by:

**IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923**

**Task Order CK05
Contract No. DACA21-96-D-0018
IT Project No. 774645**

September 2001

Revision 0

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Attachment A – Waste Manifest Documentation for Disposal of Sump Contents

Attachment B – Photographs

Attachment C – Sample Collection Logs and Analysis Request/Chain-of-Custody Records

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List of Abbreviations and Acronyms – see Attachment 1 of *Final Site Investigation Report, Training Aids Building (Building 267), Parcel 166(7), Fort McClellan, Calhoun County, Alabama.*

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1.0 Introduction ---

The Training Aids Building (Building 267), Parcel 166(7), is located centrally on the Fort McClellan (FTMC) Main Post on the corner of Blacman Road (formerly MacArthur Avenue) and Castle Avenue (formerly 6th Avenue) (Figures 1 and 2). At the time of Base closure in 1999, Building 267 housed two photographic laboratories and a graphics department. The photographic laboratories had four developing machines for slides, black-and-white prints, and color prints (Roy F. Weston, Inc., 1990). Photographic wastes were drained to a concrete sump located on the north side of the building (Figure 2). The sump, which was connected to the sanitary sewer, was constructed during either 1989 or 1990, after the photography laboratory moved to Building 267. The sump was 36 inches in diameter and extended approximately 10 feet below ground surface (bgs). The sump was capped with an iron manhole cover.

At the request of FTMC, the sump and associated piping were removed by IT Corporation in February 2001. The report summarizes the sump removal activities conducted at the Training Aids Building (Building 267), Parcel 166(7) including:

- Sampling and disposal of sump contents.
- Excavation and removal of the sump and surrounding soils.
- Confirmatory soil sample collection.
- Removal of associated drain piping located inside Building 267.

The tasks used to remove the sump were the same as those used to remove underground storage tanks at other sites at FTMC. Therefore, sump removal activities were conducted in accordance with procedures outlined in Section 2.0 of the *Underground Storage Tank Removals and Closure Reports Work Plan* (IT, 2000).

2.0 Sump Removal Activities ---

2.1 Sampling and Disposal of Sump Contents

The contents of the sump were sampled by IT in November 2000. One sample was collected from the sump water (sample number EL4001), and one sample was collected from the sump sludge (sample number EL5001). The samples were analyzed for metals, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), pesticides, herbicides, PCBs, and cyanide. Sludge sample aliquots were also analyzed for pH, flashpoint, reactive cyanide, and reactive sulfide analyses. The sludge sample was also prepared using the toxicity characteristic leaching procedure (TCLP) and analyzed for metals, VOCs, SVOCs, pesticides, herbicides, and

PCBs. Based on the analytical results of these samples, the sump contents were determined to be Resource Conservation and Recovery Act (RCRA) hazardous waste because of elevated levels of metals (chromium, lead, and silver) and organic compounds. The sump contents were removed by Fisher Industrial Service, Inc. and disposed as hazardous waste at their facility in Glencoe, Alabama. Waste characterization and manifest documentation for disposal of the sump contents are included as Attachment A to this report.

2.2 Sump Excavation and Removal

Following the removal of the sump contents, the sump and surrounding soil were excavated with a backhoe. Photographs showing sump excavation and removal activities are included as Attachment B. The excavated soil was stockpiled for subsequent waste characterization sampling. During the removal, the concrete sump was destroyed. The sump was then disposed as concrete debris. During sump removal activities, the excavation filled with rainwater. A sample of the rainwater was collected (sample number EL3005) and analyzed for metals, VOCs, SVOCs, pesticides, herbicides, PCBs, and reactivity. Based on the analytical results, the rainwater was discharged to the sanitary sewer system. Sample collection logs and analysis request/chain-of-custody records are included as Attachment C; analytical data is summarized in Attachment D.

Three confirmatory soil samples were collected from the excavation. The samples were collected from the north wall (sample number EL0007), the south wall (sample number EL0009), and the bottom center of the excavation (EL0008), as shown on Figure 3. The confirmation soil samples were analyzed for metals, VOCs, SVOCs, pesticides, herbicides, PCBs, and reactivity. Additional excavation was not conducted because of the close proximity of the excavation to Building 267. A composite soil sample (sample number EL0010) was also collected from the excavated soil stockpile. Based on the results of the analyses, the excavated soil was disposed as nonregulated waste in the FTMC Industrial Waste Landfill. The excavation was backfilled with clean fill and the area was resurfaced with concrete.

2.3 Drain Piping Removal and Sampling

The sump drain piping inside Building 267 was also removed during sump removal activities. The drain piping was rinsed with deionized water and a sample of the rinsate (sample number EL3006) was collected and analyzed for metals, VOCs, SVOCs, pesticides, herbicides, PCBs, and reactivity. Based on the results of the rinsate sample analyses, the drain piping was disposed as nonregulated waste at the FTMC Industrial Waste Landfill.

3.0 References

Environmental Science and Engineering, Inc. (ESE), 1998, *Final Environmental Baseline Survey, Fort McClellan, Alabama*, prepared for U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland, January.

IT Corporation (IT) 2000, *Work Plan, Underground Storage Tank Removals and Closure Reports, Fort McClellan, Calhoun County, Alabama*, July.

Roy F. Weston, Inc. (Weston), 1990, *Enhanced Preliminary Assessment, Fort McClellan Calhoun County, Alabama, Prepared for the U.S. Army Toxic and Hazardous Materials Agency*, December.

ATTACHMENT A

**WASTE MANIFEST DOCUMENTATION FOR DISPOSAL
OF SUMP CONTENTS**



FISHER INDUSTRIAL SERVICE, INC.
P.O. BOX 5410 • GLENCOE, AL 35905
(205) 492-8340
FAX (205) 492-0820 OR FAX (205) 492-8395

PROFILE#: _____
REPLACES#: _____
EPA I.D. NO.: _____

SECTION A - GENERATORS WASTE MATERIAL PROFILE SHEET

GENERAL INFORMATION

GENERATOR NAME

FACILITY ADDRESS

MAILING ADDRESS

TECHNICAL CONTACT

NAME OF WASTE

PROCESS GENERATING WASTE

NATURE OF BUSINESS

U.S. Army Garrison / Transition
Environmental Office
291 Jimmy Parks Blvd.
Ft McClellan, AL 36205
HAZARDOUS WASTE LIQUID
CLOSED PRINTING/DEVELOPING OPERATION
MILITARY BASE

BILLING INFORMATION - SAME

NAME **THE I.T. GROUP**ADDRESS **P.O. Box 5040****FT McCLELLAN, AL 36205**
PHONE **256-848-3499**

EPA FORM CODE:

B

SIG CODE:

SECTION B - GENERATION CHARACTERISTICS

IF CLEANUP: YES NO CERCLA WASTE: YES NO
 IS THIS A: WW MM DEBRIS SOIL
 HAZARDOUS PRODUCT OF CHEMICAL: YES NO — IF YES ATTACH WSDS
 GENERATED FROM A PLATING OPERATION: YES NO
 PARTICIPATED VOLUME: 100 LBS. DRUGS **6-10** TONS OTHER: _____
 FOR: ONE DAY WEEK MONTH QUARTER YEAR OTHER: _____

IS THIS A HAZARDOUS WASTE AS DEFINED IN 40CFR 261: YES NO
 IF NO, GENERATOR SIGNATURE REQUIRED: _____

DRUGS TYPE, DOT NUMBER & SIZE: **IA1/IA2**

SECTION C - DOT AND RCRA CHARACTERISTICS

PROPER SHIPPING NAME: **HAZARDOUS WASTE LIQUID NOS (CHROMIUM, LEAD)**
 HAZARD CLASS: **9** PACKING GROUP: **III** UN or NA: **NA3082** RQ: _____
 USEPA WASTE CODES: **D007, D008, D011, F003** STATE WASTE CODES: _____

NOTE: IF D001 (EXCEPT HIGH TOC>10%), D002, OR D012-D043 REQUIRES TREATMENT OF THE CHARACTERISTIC THEN THE UNDERLYING HAZARDOUS CONSTITUENT(S) PRESENT IN THE WASTE AT THE POINT OF GENERATION MUST BE IDENTIFIED ON REVERSE SIDE.

SECTION D - PHYSICAL CHARACTERISTICS

CHEMICAL COMPOSITION (TOTALS MUST ADD UP TO 100%)

COMPONENT	(RANGE) %
ACETONE, BIS(ETHYL HEXYL	
PHthalate, P-isopropyl Toluene,	
Toluene, 2-BUTANONE, ISOPROPYL	
BENZENE, Vinyl CHLORIDE	1-10
WATER	90-99
SLUDGE	<1%

PHYSICAL STATE: <input checked="" type="checkbox"/> LIQUID	<input type="checkbox"/> SEMI SOLID	<input type="checkbox"/> SOLID
VISCOSITY: <input checked="" type="checkbox"/> LOW	<input type="checkbox"/> MEDIUM	<input type="checkbox"/> HIGH
LAYERING: <input type="checkbox"/> MULTI LAYERED	<input type="checkbox"/> BI LAYERED	<input checked="" type="checkbox"/> SINGLE PHASE
ODOR: <input checked="" type="checkbox"/> NONE	<input type="checkbox"/> MILD	<input type="checkbox"/> STRONG
COLOR: VARIABLE		
FREE LIQUIDS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	100	%
SPECIFIC GRAVITY: 0.8-1.0	BTU/LB	0
FLASH POINT: >200	CHLORIDES	<2
pH: 6-7	WATER	>90

HAZARDOUS CHARACTERISTICS AS DEFINED IN 40CFR261

REACTIVITY: <input checked="" type="checkbox"/> NONE	<input type="checkbox"/> PYROPHORIC	<input type="checkbox"/> SHOCK SENSITIVE
<input type="checkbox"/> EXPLOSIVE	<input type="checkbox"/> WATER REACTIVE	<input type="checkbox"/> OTHER
<input type="checkbox"/> CORROSIVITY: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<input type="checkbox"/> IGNITABILITY: <input type="checkbox"/> NO <input type="checkbox"/> YES	
<input type="checkbox"/> TOXICITY: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<input type="checkbox"/> LISTED	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES
OTHER HAZARDOUS CHARACTERISTICS: <input checked="" type="checkbox"/> NONE <input type="checkbox"/> RADIOACTIVE		
<input type="checkbox"/> ETHIOLOGICAL <input type="checkbox"/> PESTICIDE/HERBICIDES WASTE		<input type="checkbox"/> OTHER (SPECIFY)

SECTION E - TCLP

(INDICATE IF THE WASTE CONTAINS ANY OF THE FOLLOWING: TOTALS U OR TCLP U)

WASTE	REGULATORY	WASTE	REGULATORY	WASTE	REGULATORY			
# CONSTITUENT	LEVEL	PPM	# CONSTITUENT	LEVEL	PPM	# CONSTITUENT	LEVEL	PPM
D004 ANTIMONY	5.0	< 3.0	D017 2,4,5-TBP (CHIEFLY)	1.0	< 1.0	D030 2,4-DIMINOTOLUENE	0.13	< 0.13
D005 BARIUM	100.0	< 100.0	D018 BENZENE	0.5	< 0.5	D031 HEPTACHLOR	0.008	< 0.008
D006 CADMIUM	1.0	< 1.0	D019 CARBON TETRACHLORIDE	0.5	< 0.5	D032 HEXACHLOROBENZENE	0.13	< 0.13
D007 CHROMIUM	5.0	> 5.0	D020 CHLORDANE	0.03	< 0.03	D033 HEXACHLOROBUTADIENE	0.5	< 0.5
D008 CHLORINE	5.0	> 5.0	D021 CHLOROBENZENE	100.0	< 100.0	D034 HEXACHLOROETHANE	3.0	< 3.0
D009 MERCURY	0.2	< 0.2	D022 CHLOROFORM	6.0	< 6.0	D035 METHYL FURYL KETONE	200.0	< 200.0
D010 SODIUM	1.0	< 1.0	D023 XyLOFOL	200.0	< 200.0	D036 NITROBENZENE	2.0	< 2.0
D011 SILVER	5.0	> 5.0	D024 M-CHESOL	200.0	< 200.0	D037 PENTACHLOROPHENOL	100.0	< 100.0
D012 URIDINE	0.02	< 0.02	D025 P-CHESOL	200.0	< 200.0	D038 PYRIDINE	5.0	< 5.0
D013 VINYL	0.4	< 0.4	D026 CRIBOL	200.0	< 200.0	D039 TETRACHLOROETHYLENE	0.7	< 0.7
D014 METHOXYPHENOL	10.0	< 10.0	D027 1,4-DICHLOROBENZENE	7.5	< 7.5	D040 TRICHLOROETHYLENE	0.5	< 0.5
D015 TOXAPEROXIDE	0.5	< 0.5	D028 1,2-DICHLOROETHANE	0.5	< 0.5	D041 2,4,5 TRICHLOROPHENOL	400.0	< 400.0
D016 2-4-B	10.0	< 10.0	D029 1,1-DICHLOROETHYLENE	0.7	< 0.7	D042 2,4,6 TRICHLOROPHENOL	2.0	< 2.0
						D043 VINYL CHLORIDE	0.2	< 0.2

SECTION E-2

PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
PBBS	METHYLUM		CYANIDE AMENABLE		MANGANESE		TOC
CYANIDE TOTAL	ALUMINUM		SULFIDES		ZINC		THALLIUM

SECTION F

THE ABOVE INFORMATION IS TRUE AND ACCURATE AND IS BASED ON AN ANALYSIS OF A REPRESENTATIVE SAMPLE OF THIS WASTE IN ACCORDANCE WITH EPA GUIDELINES, DOCUMENTS SW 846 1990 AND EPA 600/2-90/04, OR ON MY THOROUGH KNOWLEDGE OF THE WASTE.

Debbie S. Berry
Environmental Tech DATE: 20 Feb 01

I AUTHORIZED ENVIRONMENTAL SERVICE, INC. TO ACT AS MY AGENT TO MAKE CORRECTIONS TO THIS PROFILE. SUCH CORRECTIONS BEING CONSISTENT WITH THE RESULTS OF SAMPLE CHARACTERISTICS AND/OR REGULATORY REQUIREMENTS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OR USEPA 1990-04, AND THAT A CORRECTED COPY WILL BE SENT TO ME.

X Y OR INITIALS *ASB*

INTERNAL USE ONLY

RECENT DATE: _____ SOURCE CODE: _____ DM CODE: *102*

PARAMETERS:

INCINERATION



HAZARDOUS WASTE MANIFEST
(AS REQUIRED BY THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT)

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

FISHER INDUSTRIAL SERVICE, INC.
 A Member of The North American Group Ltd.

Form Approved, OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>AL D 981020894</i>	Manifest Document No. <i>AL 40168-20562-01-101</i>	2. Page 1 of	Information in the shaded areas is not required by Federal law.			
G E N E R A T O R	3. Generator's Name and Mailing Address Fisher Industrial Service, Inc. 402 Webster Chapel Rd. Glencoe, AL 35905	4. Generator's Phone () (205) 848-3499	5. Transporter 1 Company Name ALUMINUM SERVICES, INC.	6. US EPA ID Number AL D 981020894	A. State Manifest Document Number FIS 0117471	B. State Generator ID		
	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	D. Transporter's Name		
	9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter ID	F. Transporter's Phone		
	Fisher Industrial Service, Inc. 402 Webster Chapel Rd. Glencoe, AL 35905		AL D 981020894		G. State Facility ID	H. Facility's Phone		
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE, LIQUID, N.O.S. (CERTRITIM, LEMD), a. 3, NG3882, PG III (0007 0008 0011 F003)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.			
		FIS Profile #: 57747	7	385	0011-78M3			
	b.							
	c.							
	d.							
	J. Additional Descriptions for Materials Listed Above All	K. Handling Codes for Waste Used Above None						
L. State of Origin All								
15. Special Handling Instructions and Additional Information 0082187		24 Hr. Emergency Response Name/Number: JRW/MW (205) 848-3499						
Work Order #:		Purchase Order #:						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						Month	Day	Year
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practical and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						02	01	00
Printed/Typed Name <i>Debbie Berry</i>		Signature <i>Debbie Berry</i>				Month	Day	Year
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name <i>Steve Johnson</i>		Signature <i>Steve Johnson</i>				Month	Day	Year
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name		Signature				Month	Day	Year
19. Discrepancy Indication Space						Month	Day	Year
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Month	Day	Year
Printed/Typed Name		Signature				Month	Day	Year

GENERATOR'S COPY



LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Page 1 of 1

Generator Name US Army Garrison/ Transition Office EPA ID#: _____ Manifest Document# 0140

The waste(s) indicated below does not meet the applicable treatment standards in 40 CFR 268 Subpart D and/or exceeds the applicable prohibition levels in 40 CFR 268.32 or RCRA 3004(d)(California List).

Indicate location of constituents on the manifest by inserting manifest line item (M.L.I.) identification (11-A, etc.) in boxes at left of waste code.

Profile #: 11-A 57747 11-D _____ 28-C _____ 28-F _____ 28-I _____ M.L.I.: 11
 11-B _____ 28-A _____ 28-D _____ 28-G _____
 11-C _____ 28-B _____ 28-E _____ 28-H _____

Wastewater

Non-Wastewa

A. CHECK REGULATED CONSTITUENT(S) IN F001 THROUGH F005 WASTE(S). (USE TABLE AT THE BOTTOM FOR CODES NOT FOUND HERE)

LINE #: 11

M.L.I.	CODE	SUBCATEGORY/CONSTITUENTS	M.L.I.	CODE	M.L.I.	CODE	Total Compo mg/kg
<input type="checkbox"/>	D001	Ignitable Liquids (TOC>=10%)	<input type="checkbox"/>	D018*	<input type="checkbox"/>	F001	
<input type="checkbox"/>	D001*	Other Ignitables	<input type="checkbox"/>	D019*	<input type="checkbox"/>	F002	
<input type="checkbox"/>	D002*	ph < 2 corrosive wastes	<input type="checkbox"/>	D020*	<input checked="" type="checkbox"/>	F003	
<input type="checkbox"/>	D002*	ph > 12.5 corrosive wastes	<input type="checkbox"/>	D021*	<input type="checkbox"/>	F004	
<input type="checkbox"/>	D004		<input type="checkbox"/>	D022*	<input type="checkbox"/>	F005	
<input type="checkbox"/>	D005		<input type="checkbox"/>	D023*	<input type="checkbox"/>		
<input type="checkbox"/>	D006	Cadmium non-batteries	<input type="checkbox"/>	D024*	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	D006	Cadmium batteries	<input type="checkbox"/>	D025*	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	D007		<input type="checkbox"/>	D026*	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	D008	Lead non-batteries	<input type="checkbox"/>	D027*	<input type="checkbox"/>		
<input type="checkbox"/>	D008	Lead Batteries	<input type="checkbox"/>	D028*	<input type="checkbox"/>		
<input type="checkbox"/>	D009	>= 260 mg/kg with organics	<input type="checkbox"/>	D029*	<input type="checkbox"/>		
<input type="checkbox"/>	D009	>= 260 mg/kg no organics	<input type="checkbox"/>	D030*	<input type="checkbox"/>		
<input type="checkbox"/>	D009	< 260 mg/kg non-wastewater	<input type="checkbox"/>	D031*	<input type="checkbox"/>		
<input type="checkbox"/>	D009	< 260 mg/kg wastewater	<input type="checkbox"/>	D032*	<input type="checkbox"/>		
<input type="checkbox"/>	D010		<input type="checkbox"/>	D033*	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	D011		<input type="checkbox"/>	D034*	<input type="checkbox"/>		
<input type="checkbox"/>	D012*	Endrin	<input type="checkbox"/>	D035*	<input type="checkbox"/>		
<input type="checkbox"/>	D012*	Endrin aldehyde	<input type="checkbox"/>	D036*	<input type="checkbox"/>		
<input type="checkbox"/>	D013*	Alpha BHC	<input type="checkbox"/>	D037*	<input type="checkbox"/>		
<input type="checkbox"/>	D013*	Beta BHC	<input type="checkbox"/>	D038*	<input type="checkbox"/>		
<input type="checkbox"/>	D013*	Delta BHC	<input type="checkbox"/>	D039*	<input type="checkbox"/>		
<input type="checkbox"/>	D013*	Gamma BHC (Lindane)	<input type="checkbox"/>	D040*	<input type="checkbox"/>		
<input type="checkbox"/>	D014*		<input type="checkbox"/>	D041*	<input type="checkbox"/>		
<input type="checkbox"/>	D015*		<input type="checkbox"/>	D042*	<input type="checkbox"/>		
<input type="checkbox"/>	D016*		<input type="checkbox"/>	D043*	<input type="checkbox"/>		
<input type="checkbox"/>	D017*						

California List Constituents

Indicate the individual constituents likely to be present in each waste.

<input type="checkbox"/>	Arsenic - 500 mg/l	<input type="checkbox"/>	Selenium - 100 mg/l
<input type="checkbox"/>	Cadmium - 100 mg/l	<input type="checkbox"/>	Thallium - 130 mg/l
<input type="checkbox"/>	Chromium - 500 mg/l	<input type="checkbox"/>	Liquids with PCB's > 50 ppm
<input type="checkbox"/>	Lead - 500 mg/l	<input type="checkbox"/>	Wastes containing HOC's
<input type="checkbox"/>	Mercury - 20 mg/l	<input type="checkbox"/>	Liquid wastes containing
<input type="checkbox"/>	Nickel - 134 mg/l	<input type="checkbox"/>	cyanides > 1000 mg/l
		<input type="checkbox"/>	Liquid aqueous wastes having a ph <= 2

* ATTACH A UNIVERSAL TREATMENT STANDARDS (UTS) TABLE WHICH INDICATES CONSTITUENTS CONTAINED IN WASTE STREAMS HAVING THE WASTE CODES (EXCEPT D001 - HIGH TOC > 10%) WHEN THE CORRESPONDING CONCENTRATION LEVELS SHOWN IN THE UTS TABLE HAVE BEEN EXCEEDED.

B. ENTER WASTE CODE AND SUBCATEGORY, IF APPLICABLE, IN THE TABLE BELOW FOR CODES NOT FOUND ABOVE.

M.L.I.	CODE	SUBCATEGORY (IF ANY)
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

C. HAZARDOUS DEBRIS Yes, debris is subject to the alternative treatment standards of 40 CFR 268.45 - M.L.I. : _____

D. Benzene NESHAP Certification:

Please check the boxes below which indicates your status in regard to the reporting requirements under 40CFR61 Subpart FF:

I certify that our company has evaluated the waste profiles or analyzed the individual streams that were utilized to produce this load, and the following information is true, accurate, and complete to the best of my knowledge.

- This waste does not contain benzene which is required to be controlled and treated in accordance with the provisions of 40CFR Subpart FF (61.342(f))
 This waste contains benzene which is required to be controlled and treated in accordance with the provisions of 40CFR61 Subpart FF (61.342(f)(2)).

Please provide the benzene concentration in the waste shipment, if known: _____ ppm. 6148.1

E. HERBICIDE/PESTICIDE/PCB CERTIFICATION

I certify under the penalty of law that I am the original generator of the waste described on the manifest listed above and am familiar with the process by which the waste was generated and can certify that no herbicides, pesticides, or PCB's above regulatory limits are contained in the waste listed on the manifest.

If any herbicides, pesticides, or PCB's are present above regulatory limits in our waste when processed, we will be liable to bear all cost for disposal of any waste contaminated with those materials and the decontamination of all processing equipment contaminated with those materials.

I understand that there are significant penalties for submitting a false certification.

F. CERTIFICATION

I certify under penalty of law that I have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification.

Print Name

X Debbie Berry

Sign

X Debbie S. Berry Date 6/21/04

UNIVERSAL TREATMENT STANDARDS (UTS) TABLE

Page 3 of 4

Generator Name: US Army Garrison/Transition Office

Manifest No. 01401

List all constituents on the front and reverse page of this table that are present in D001 (except for TOC>=10%), D002 and D012 through D043 waste stream concentrations above the regulatory levels. Regulatory levels shown at the right hand side of the constituent name are in total concentration values except for ones showing an asterisk which indicates they are in mg/l-TCLP.

Indicate location of constituents by inserting manifest line item (M.L.I.) identification (A-I) in boxes at left of constituents at left

M.L.I.	Constituents	Waste	Non-Waste	acid 2,4-D		Waste	Non-W-
		Water (mg/l)	Water (mg/kg)	M.L.I.	Constituents	Water (mg/l)	Water (mg/kg)
A	Acetone	0.28	160		Ethylene dibromide (1,2-Dibromoethane)	0.028	15
	Acenaphthylene	0.59	3.4		Dibromomethane	0.11	15
	Acenaphthene	0.059	3.4		2,4-D		
	Acetonitrile	5.6	1.8		(2,4-Dichlorophenoxyacetic Acid)	0.72	10
	Acetophenone	0.010	9.7		o,p-DDD	0.023	0.087
	2-Acetylaminofluorene	0.059	140		p,p-DDD	0.023	0.087
	Acrolein	0.29	N/A		o,p-DDE	0.031	0.087
	Acrylamide	19	23		p,p-DDE	0.031	0.087
	Acrylonitrile	0.24	84		o,p-DDT	0.0039	0.087
	Aldrin	0.021	0.066		p,p-DDT	0.0039	0.087
	4-Aminobiphenyl	0.13	N/A		Dibenzo (a,h) anthracene	0.055	8.2
	Aniline	0.81	14		Dibenzo (a,e) pyrene	0.061	N/A
	Anthracene	0.059	3.4		m-Dichlorobenzene	0.036	6.0
	Aramite	0.36	N/A		o-Dichlorobenzene	0.088	6.0
	alpha-BHC	0.00014	0.066		p-Dichlorobenzene	0.090	6.0
	beta-BHC	0.00014	0.066		Dichlorodifluoromethane	0.23	7.2
	delta-BHC	0.023	0.066		1,1-Dichloroethane	0.059	6.0
	gamma-BHC	0.0017	0.066		1,2-Dichloroethane	0.21	6.0
A	Benzene	0.14	10		1,1-Dichloroethylene	0.025	6.0
	Benzo (a) anthracene	0.059	3.4		trans-1,2-Dichloroethylene	0.054	30
	Benzal Chloride	0.055	6.0		2,4-Dichlorophenol	0.044	14
	Benzo (b) fluoranthene	0.11	6.8		2,6-Dichlorophenol	0.044*	14
	Benzo (k) fluoranthene	0.11	6.8		1,2-Dichloropropane	0.85	18
	Benzo (g,h,i) perylene	0.0055	1.8		cis-1,3-Dichloropropylene	0.036	18
	Benzo (a) pyrene	0.061	3.4		trans-1,3-Dichloropropylene	0.036	18
	Bromodichloromethane	0.35	15		Dieldrin	0.017	0.13
	Bromoform	0.63	15		Diethyl phthalate	0.20	28
	Bromomethane (methyl bromide)	0.11	15		2,4-Dimethyl phenol	0.036	14
	4-Bromophenyl phenyl ether	0.055	15		Dimethyl phthalate	0.047	28
	n-butanol (n-Butyl alcohol)	5.6	2.6		Di-n-butyl phthalate	0.057	28
	Butyl benzyl phthalate	0.017	28		1,4-Dinitrobenzene	0.32	2.3
	2-sec-Butyl 4,6-dinitrophenol	0.066	2.5		4-6-Dinitro-o-cresol	0.28	160
	Carbon tetrachloride	0.057	6.0		2,4-Dinitrophenol	0.12	160
	Carbon disulfide	3.8	4.8		2,4-Dinitrotoluene	0.32	140
	Chlordane (alpha & gamma iso)	0.0033	0.26		2,6-Dinitrotoluene	0.55	28
	p-Chloroaniline	0.46	16		Di-n-octyl phthalate	0.017	28
	Chlorobenzene	0.057	6.0		p-Dimethylaminoazo- benzene	0.13	N/A
	Chlorobenzilate	0.10	N/A		Di-n-propylnitrosoamine	0.40	14
	2-chloro-1,3-butadiene	0.057	0.28		Diphenylamine	0.92	13
	Chlorodibromomethane	0.057	15		1,2-Diphenylhydrazine	0.087	N/A
	Chloroethane	0.27	6.0		Diphenylnitrosamine	0.92	13
	bis-(2-Chloroethoxy) methane	0.036	7.2		1,4-Dioxane	N/A	170
	bis-(2-Chloroethyl) ether	0.033	6.0		Disulfoton	0.017	6.2
	Chloroform	0.046	6.0		Endosulfan I	0.023	0.066
	bis-(2-Chloroisopropyl) ether	0.055	7.2		Endosulfan II	0.029	0.13
	p-Chloro-m-cresol	0.018	14		Endosulfan sulfate	0.029	0.13
	2-Chloroethyl Vinyl Ether	0.062	N/A		Endrin	0.0028	0.13
	Chloromethane (methyl chloride)	0.19	30		Endrin aldehyde	0.025	0.13
	2-Chloronaphthalene	0.055	5.6		Ethyl acetate	0.34	33
	2-Chlorophenol	0.044	5.7		Ethyl benzene	0.057	10
	3-Chloropropylene	0.036	30		Ethyl cyanide	0.24	360
	Chrysene	0.059	3.4		Ethyl ether	0.12	160
	o-Cresol	0.11	5.6		bis-(2-Ethylhexyl) phthalate	0.28	28
	Cresol (m-or p-isomers)	0.77	5.6		Ethyl methacrylate	0.14	160
	Cyclohexanone	0.36	N/A		Ethylene oxide	0.12	N/A
	1,2-Dibromo 3-Chloropropane	0.11	15		Famphur	0.017	15

M.L.I.	Constituents	Waste Water (mg/l)	Non-Waste Water (mg/kg)	M.L.I.	Constituents	Waste Water (mg/l)	Non-Waste Water (mg/kg)
	Hexachlorobutadiene	0.055	5.6		Phthalic anhydride	0.055	28
	Hexachlorodibenzo-furans	0.000063	0.001		Pronamide	0.093	1.5
	Hexachlorodibenzo-p-dioxins	0.000063	0.001		Pyrene	0.067	8.2
	Hexachloroethane	0.055	30		Pyridine	0.014	16
	Hexachloropropene	0.035	30		Safrole	0.081	22
	Indeno (1,2,3-c,d) pryene	0.0055	3.4		Silvex (2,4,5-TP)	0.72	7.9
	Iodomethane	0.19	65		1,2,4,5-Tetrachlorobenzene	0.055	14
	Isobutanol	5.6	170		2,4,5-T	0.72	7.9
	Isodrin	0.021	0.066		Tetrachlorodibenzo-furans	0.000063	0.001
	Isosafrole	0.081	2.6		Tetrachlorodibenzo-p-dioxins	0.000063	0.001
	Kepone	0.0011	0.13		1,1,1,2-Tetrachloroethane	0.057	6.0
	Methacrylonitrile	0.24	84		1,1,2,2-Tetrachloroethane	0.057	6.0
	Methanol	5.6	0.75		Tetrachloroethylene	0.056	6.0
	Methapyrilene	0.081	1.5		2,3,4,6-Tetrachlorophenol	0.030	7.4
	Methoxychlor	0.25	0.18	A	Toluene	0.080	10
	3-Methylcholanthrene	0.0055	15		Toxaphene	0.095	2.6
	4,4-Methylene-Bis(2-chloroaniline)	0.50	30		1,2,4-Trichlorobenzene	0.055	19
	Methylene chloride	0.089	30		1,1,1-Trichloroethane	0.054	6.0
	Methyl ethyl ketone	0.28	36		1,1,2-Trichloroethane	0.054	6.0
	Methyl isobutyl ketone	0.14	33		Trichloroethylene	0.054	6.0
	Methyl methacrylate	0.14	160		Trichloromono-fluoromethane	0.02	30
	Methyl methansulfonate	0.018	N/A		2,4,5-Trichlorophenol	0.18	7.4
	Methyl parathion	0.014	4.6		2,4,6-Trichlorophenol	0.035	7.4
	Naphthalene	0.059	5.6		1,2,3-Trichloropropane	0.85	30
	2-Naphthylamine	0.52	N/A		1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
	o-Nitroaniline	0.27	14		Tris (2,3-dibromopropyl) phosphate	0.11	0.10
	p-Nitroaniline	0.028	28	A	Vinyl Chloride	0.27	6.0
	Nitrobenzene	0.068	14		Xylene(s)	0.32	30
	5-Nitro-o-toluidine	0.32	28		Cyanides (Total)	1.2	590
	o-Nitrophenol	0.028	13		Cyanides (Amenable)	0.86	30
	p-Nitrophenol	0.12	29		Fluoride	35	N/A
	N-Nitrosodiethylamine	0.40	28		Sulfide	14	N/A
	N-Nitrosodimethylamine	0.40	2.3		Antimony	1.9	2.1
	N-Nitroso-di-n-butylamine	0.40	17		Arsenic	1.4	5.0
	N-Nitrosomethyl-ethylamine	0.040	2.3		Barium	1.2	7.6
	N-Nitrosomorpholine	0.040	2.3		Beryllium	0.82	0.014
	N-Nitrosopiperidine	0.013	35		Cadmium	0.69	0.19
	N-Nitrosopyrrolidine	0.013	35		Chromium (Total)	2.77	0.86
	Parathion	0.014	4.6		Lead	0.69	0.37
	Total PCBs	0.10	10		Mercury (nonwastewater from retort)	N/A	0.20
	Pentachlorobenzene	0.55	10		Mercury (all others)	0.15	0.025
	Pentachlorodibenzo-furans	0.000035	0.001		Nickel	3.96	5.0
	Pentachlorodibenzo-p-dioxins	0.000063	0.001		Selenium	0.82	0.16
	Pentachloroethane	0.055	6.0		Silver	0.43	0.30
	Pentachloronitrobenzene	0.055	4.8		Thallium	1.4	0.078
	Pentachlorophenol	0.089	7.4		Vanadium	4.3	0.23
	Phenacetin	0.081	16		Zinc	2.61	5.3
	Phenanthrene	0.059	5.6				
	Phenol	0.039	6.2				
	Phorate	0.021	4.6				
	Phthalic acid	0.055	28				

Does the waste stream(s) shown in the manifest identified at the beginning of the previous page contain any of the constituents listed in this in concentrations above the regulatory level?

YES NO

Print Name

Debbie Berry

Sign

Debbie Berry

Date

12/21/16

ATTACHMENT B

PHOTOGRAPHS



Photo 1: Training Aids Building 267, Parcel 166(7). Pipe shown exiting building (left side of photo) is also shown in photo 4 (interior shot).
Photo taken facing West.



Photo 2: Sump (prior to removal) at Training Aids Building 267, Parcel 166(7). Photo taken facing Southeast.

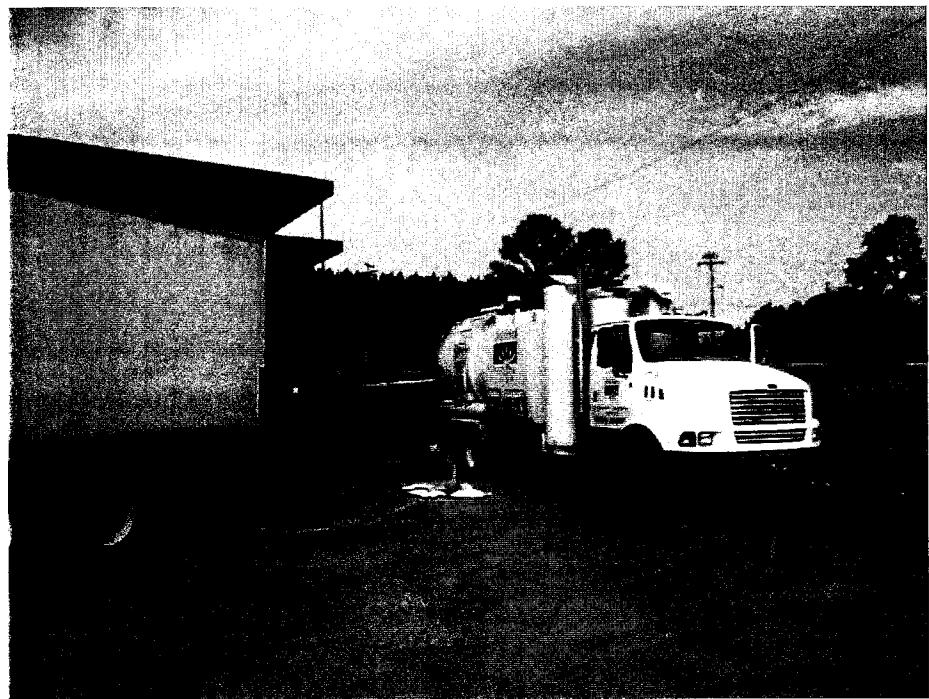


Photo 3: Prior to removal, the sump contents were pumped out.
Photo taken facing Northwest.



Photo 4: Interior view of Training Aids Building 267, Parcel 166(7) showing drain line running from Photography Laboratories (located on the second floor) to the sump. Drain pipe running down far wall is shown exiting the building in Photo 1. Photo taken facing North.



Photo 5: Photo shows limits of excavation prior to removing the sump.
Photo taken facing West.



Photo 6: Photo showing excavation in progress. Photo taken facing Southeast.

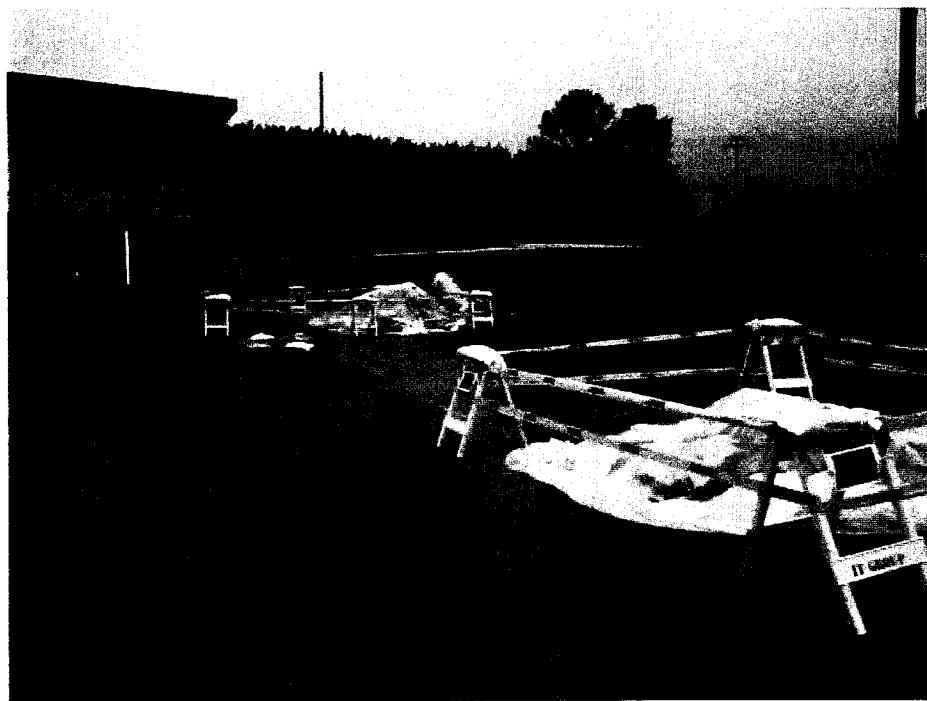


Photo 7: Excavation area and soil stockpiles at Training Aids Building 267, Parcel 166(7). Photo taken facing Northwest.



Photo 8: Photo showing the sump itself being removed.

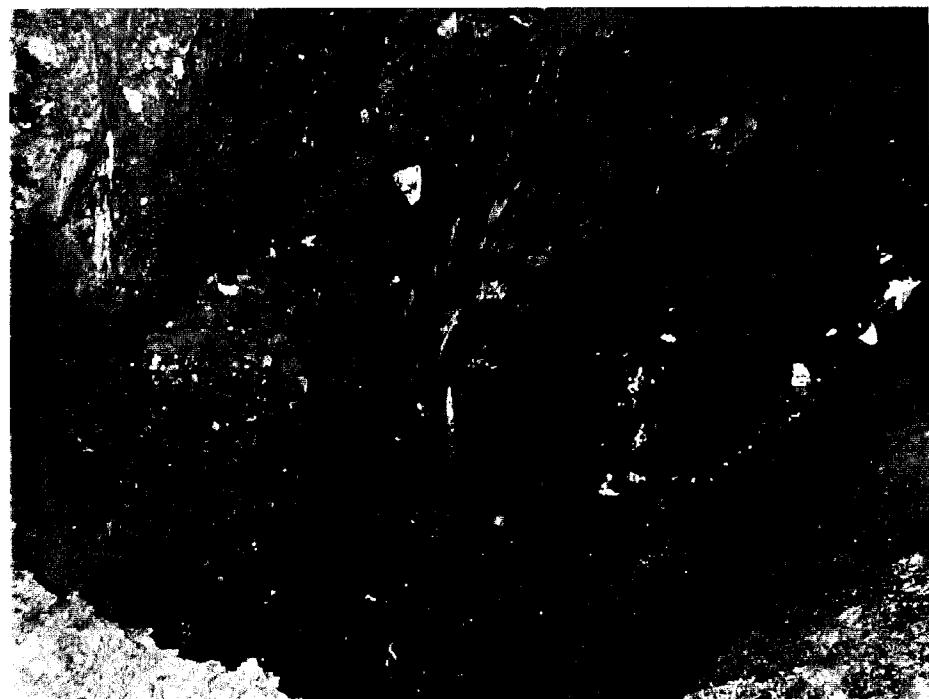
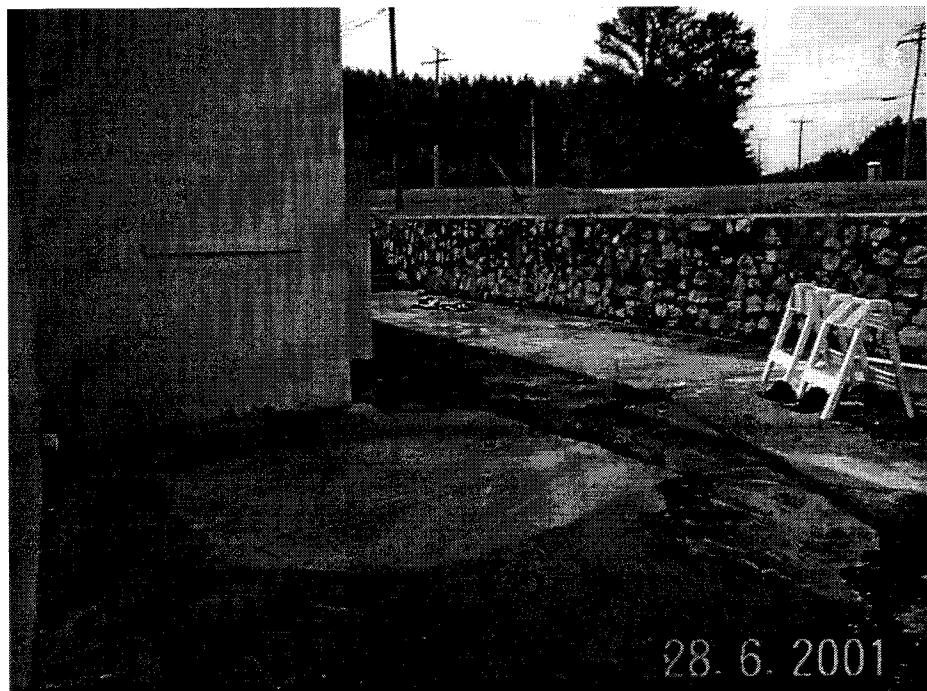


Photo 9: Photo of excavation subsequent to sump removal.



Photo 10: All drain pipe, located within Training Aids Building 267, Parcel 166(7), running from the Photography Laboratories to the sump was removed.



28. 6. 2001

Photo 11: Photo showing completed sump removal.

ATTACHMENT C

**SAMPLE COLLECTION LOGS AND
ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS**



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 783149 Fort McClellan, SAD TERC

Manager: Jeanne Yacoub

RFA / COC Number: _____

Site: Training Aids Building (Parcel 166)

Collection Date: 0815 02/22/01

Location Code: FTA-166-SUMP

Collection Time: 0815

Sample Number: EL0007

Start Depth: 9.6'

Sample Name: FTA-166-SUMP-SPS-EL0007-REG

End Depth: 10'

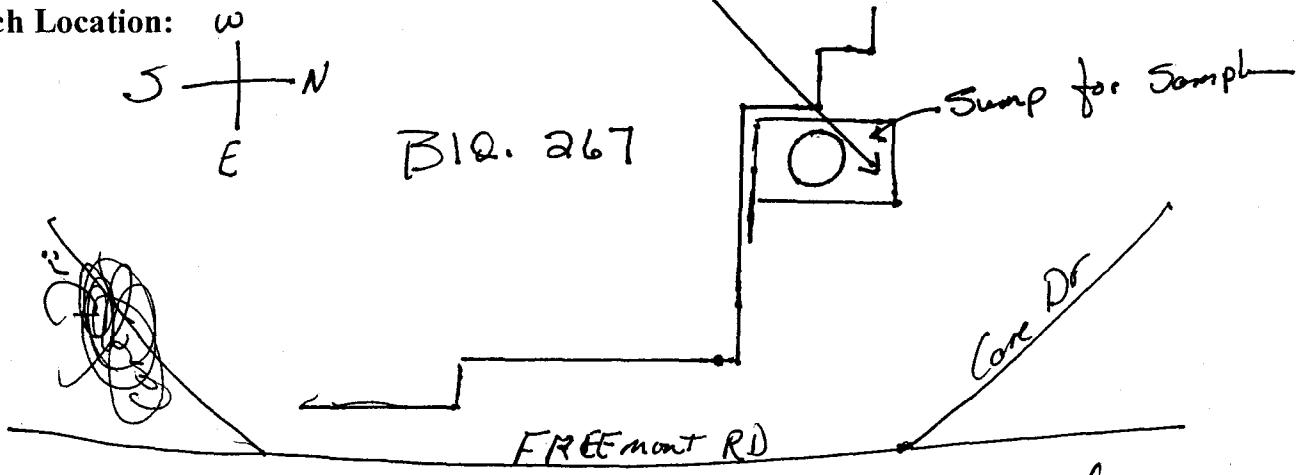
Sampling Method: GRAB

Analytical Suite	Containers					
	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
PCBs	N	B	1	8	oz	CWM
SEMICVOLATILES	N	B	1	8	oz	CWM
METALS-S	N	C	1	8	oz	CWM
CL HERBICIDES	N	D	1	8	oz	CWM
CL PESTICIDES	N	D	1	8	oz	CWM
OP PESTICIDES	N	D	1	8	oz	CWM
REACTIVITY	N	E	1	8	oz	CWM

Sample Team: Reginald Haine
Jewel George

Comments: North Portion of Sump.

Sketch Location:



Logged BY/ Date:

Jeanne Yacoub 02/22/01

Reviewed BY/ Date:

OKC 2-22-01



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 783149 Fort McClellan, SAD TERC

Manager: Jeanne Yacoub

RFA / COC Number:

Site: Training Aids Building (Parcel 166)

Collection Date:

02/22/01

Location Code: FTA-166-SUMP

Collection Time:

0830

Sample Number: EL0008

Start Depth:

9.6'

Sampling Method: GRAB

End Depth:

10'

Containers

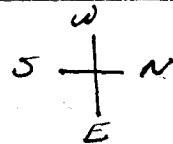
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
------------------	-----	------	-----	------	-------	------

VOLATILES 3	N	A	3	5	g	EnCore
PCBs	N	B	1	8	oz	CWM
SEMICONTAMINANTS	N	B	1	8	oz	CWM
METALS-S	N	C	1	8	oz	CWM
CL HERBICIDES	N	D	1	8	oz	CWM
CL PESTICIDES	N	D	1	8	oz	CWM
OP PESTICIDES	N	D	1	8	oz	CWM
REACTIVITY	N	E	1	8	oz	CWM

Sample Team: Reginald Boins
Jewel Cammif

Comments: Bottom
Center portion of Swamp

Sketch Location:



Blg 267

Care Dr
Freemont Rd

Logged BY / Date:

Jewel Cammif

02/22/01

Reviewed BY / Date:

O.K.C 2/22



Sample Collection Log

Project: 783149 Fort McClellan, SAD TERC

Manager: Jeanne Yacoub

RFA / COC Number: 166(s)-022201-EMAX

Site: Training Aids Building (Parcel 166)

Collection Date: 02/22/01

Location Code: FTA-166-SUMP

Collection Time: 0845

Sample Number: EL0009

Start Depth: 9.6'

Sample Name: FTA-166-SUMP-SPS-EL0009-REG

End Depth: 10'

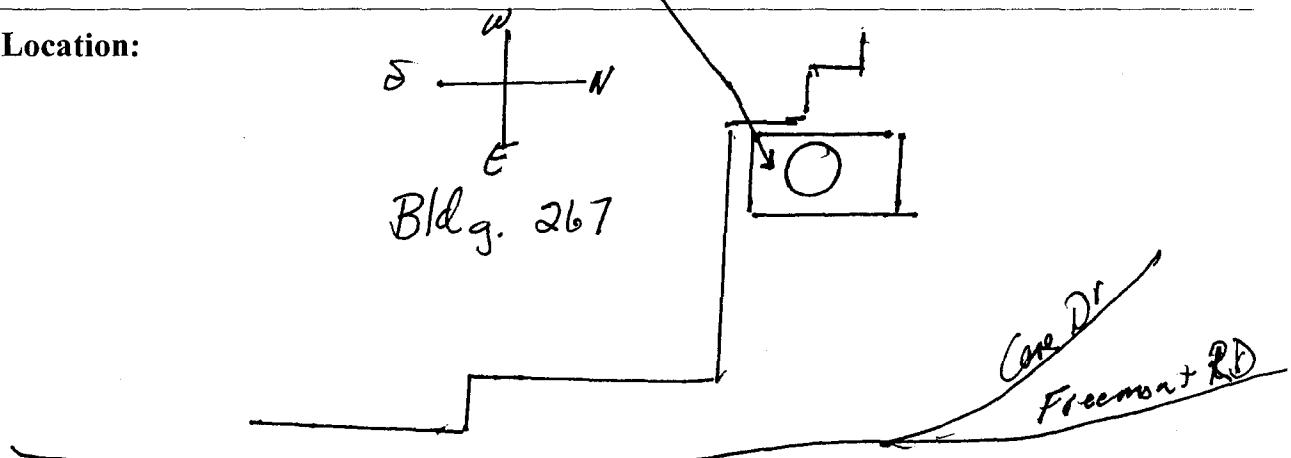
Sampling Method: GRAB

Analytical Suite	Containers					
	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
PCBs	N	B	1	8	oz	CWM
SEMICVOLATILES	N	B	1	8	oz	CWM
METALS-S	N	C	1	8	oz	CWM
CL HERBICIDES	N	D	1	8	oz	CWM
CL PESTICIDES	N	D	1	8	oz	CWM
OP PESTICIDES	N	D	1	8	oz	CWM
REACTIVITY	N	E	1	8	oz	CWM

Sample Team: Reginald Horne
Jewel Cunningham

Comments: South Portion of Sump

Sketch Location:



Logged BY / Date:

Jeanne Yacoub

02/22/01

Reviewed BY / Date:



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 783149 Fort McClellan, SAD TERC

Manager: Jeanne Yacoub

RFA / COC Number: 166-02101-EMA

Site: Training Aids Building (Parcel 166)

Location Code: FTA-166-SUMP

Sample Number: EL0010

Sample Name: FTA-166-SUMP-SPS-EL0010-REG

Sampling Method: GRAB

Collection Date: 2/21/01

Collection Time: 1300

Start Depth: .6'

End Depth: 10'

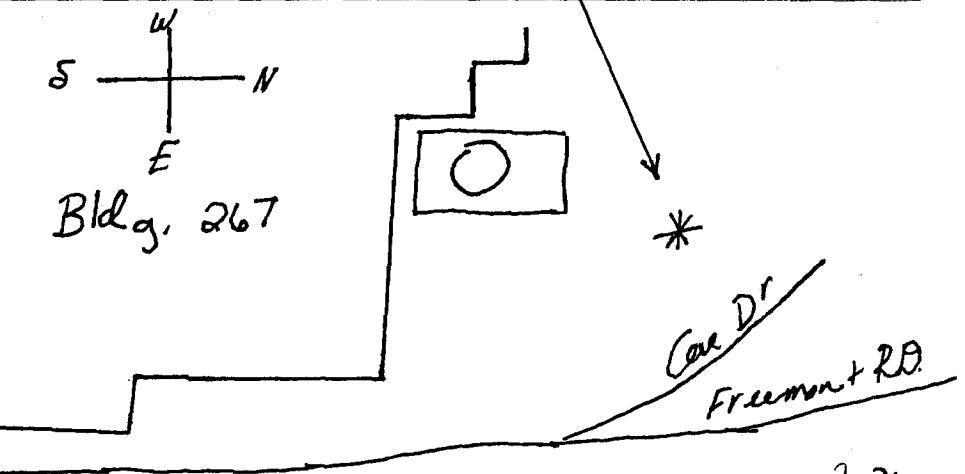
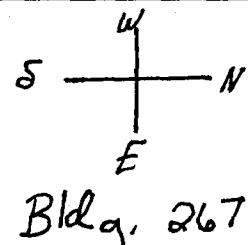
Containers

Sample Team: Reginald Goni
Jeffrey H. C. Smith

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
PCBs	N	B	1	8	oz	CWM
SEMICVOLATILES	N	B	1	8	oz	CWM
METALS-S	N	C	1	8	oz	CWM
CL HERBICIDES	N	D	1	8	oz	CWM
CL PESTICIDES	N	D	1	8	oz	CWM
OP PESTICIDES	N	D	1	4	oz	CWM
REACTIVITY	N	E	1	8	oz	CWM

Comments: Sample Taken from Soil Pile

Sketch Location:



Logged BY/ Date: Reginald Goni / 2-21-01 Reviewed BY/ Date: DLK/ 2-21-01



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 166^(W)-D22201-EMA

Collection Date: 2-22-01

Collection Time: 0930

Start Depth: Ø

End Depth: Ø

Site: Training Aids Building (Parcel 166)

Location Code: FTA-166-SUMP

Sample Number: EL3005

Sample Name: FTA-166-SUMP-SPW-EL3005-REG

Sampling Method: GRAB

Sample Team: Cunningham

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
------------------	-----	------	-----	------	-------	------

VOLATILES	3	N	A	3	40	mL	VOA Vial
SEMITVOLATILES		N	B	1	1	L	Amb. Glass
PCBs		N	C	1	1	L	Amb. Glass
METALS-W		N	D	1	1	L	HDPE
CL HERBICIDES		N	E	1	1	L	Amb. Glass
CL PESTICIDES		N	F	1	1	L	Amb. Glass
OP PESTICIDES		N	G	1	1	L	Amb. Glass
REACTIVITY		N	H	1	1	L	HDPE

Comments:

EH Ph Cond NTU DO Temp
210 6.2b .337 840 7.23 15.3

Sketch Location: VOL & metals fraction pH less than 2

02/22/01

Logged BY / Date: Jeanne Yacoub

Reviewed BY / Date: DKC 2-22-01



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 166-022601 - E

Site: Training Aids Building (Parcel 166)
Location Code: FTA-166-SUMP
Sample Number: EL3006
Sample Name: FTA-166-SUMP-SPW-EL3006-REG
Sampling Method: GRAB

Collection Date: 2-26-01
Collection Time: 1600

Start Depth: N/A
End Depth: N/A

Sample Team: Alrew,
Hague

Containers						
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMVOLATILES	N	B	1	1	L	Amb. Glass
PCBs	N	C	1	1	L	Amb. Glass
METALS-W	N	D	1	1	L	HDPE
CL PESTICIDES	N	E	1	1	L	Amb. Glass
CL HERBICIDES	N	F	1	1	L	Amb. Glass
OP PESTICIDES	N	G	1	1	L	Amb. Glass
REACTIVITY	N	H	1	1	L	HDPE

Comments: Sample Taken from Piping leading From Interior
of bldg # 2b7 to Sump. DI water rinsate.

Sketch Location:

Logged BY / Date: Kurt Hogan / 2/26/01 Reviewed BY / Date: Dekar 2-26-01

SD6401B211



01B211
**ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD**

N1/04

Reference Document No: 166-022101-EMAX

Page 1 of 1

Project Number: 783149

Samples Shipment Date: 21 FEB 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan, SAD TERC

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time:

Project Contact: Randy McBride

312 Directors Drive

NORMAL

Carrier/Waybill No.: Fed Ex/791979389873

Knoxville

TN 37923

Special Instructions: none

Possible Hazard Identification:

Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal:

Return to Client Disposal by Lab

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)*O. Allen*

Date: 2-21-00

Time: 1500

1. Received By
(Signature/Affiliation)*EMAX*
Date: 2-22-01
Time: 09302. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)Date:
Time:

Comments: none

Cooler 1 T = 3.2°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program		Condition On Receipt	
							Fil	CID		
EL0010	FTA-166-SUMP-SPS-EL0010-REG	21 FEB 2001	13:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B		N	
EL0010	FTA-166-SUMP-SPS-EL0010-REG	21 FEB 2001	13:00	8 oz CVM	1	None except cool to 4 C	PCBs by 8082, Semivolatiles by 8270C		N	
EL0010	FTA-166-SUMP-SPS-EL0010-REG	21 FEB 2001	13:00	8 oz CVM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils		N	
EL0010	FTA-166-SUMP-SPS-EL0010-REG	21 FEB 2001	13:00	4 oz CVM	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A		N	
EL0010	FTA-166-SUMP-SPS-EL0010-REG	21 FEB 2001	13:00	8 oz CVM	1	None except cool to 4 C	Reactive CN by 9030 - Reactive Sulfide by 9010		N	

1
001
2



A Member of The IT Group

SDG# 01B211 OIB225 L4/N1/VB5
ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD

Reference Document No: 166(s)-022201-EMAX

Page 1 of 2

Project Number: 783149

Samples Shipment Date: 22 FEB 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan, SAD TERC

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Knoxville

TN 37923

Turnaround Time:

7 Day Turn

Project Contact: Randy McBride

Report To: Duane Nielsen

Carrier/Waybill No.: Fed Ex/

312 Directors Drive

Knoxville

TN 37923

Special Instructions: None

*7 day Turn on ALL samples

Possible Hazard Identification:

Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal:

Return to Client Disposal by Lab Archive (mos.)

1. Relinquished By
(Signature/Affiliation)

DekAll

Date: 2-22-01

Time: 1500

1. Received By
(Signature/Affiliation)

Date: 2-23-01

Time: 0930

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments: None

Cooler 2 T= 2.7°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
EL0007	FTA-166-SUMP-SPS-EL0007-REG	22 FEB 2001	08:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
EL0007	FTA-166-SUMP-SPS-EL0007-REG	22 FEB 2001	08:15	8 oz CWM	1	None except cool to 4 C	PCBs by 8082, Semivolatiles by 8270C	N	
EL0007	FTA-166-SUMP-SPS-EL0007-REG	22 FEB 2001	08:15	8 oz CVM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
EL0007	FTA-166-SUMP-SPS-EL0007-REG	22 FEB 2001	08:15	8 oz CWM	1	None except cool to 4 C	Reactive CN by 9030 - Reactive Sulfide by 9010	N	
EL0007	FTA-166-SUMP-SPS-EL0007-REG	22 FEB 2001	08:15	8 oz CWM	1	None except cool to 4 C	Cl Herbicides by 8151A, Cl Pesticides by 8081A, OP Pesticides by 8141A	N	
EL0008	FTA-166-SUMP-SPS-EC0008-REG	22 FEB 2001	08:30	8 oz CWM	1	None except cool to 4 C	Reactive CN by 9030 - Reactive Sulfide by 9010	N	



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SD6#01B211

01B225 L4/N1/VB5

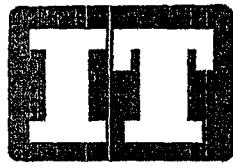
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 166(s)-022201-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
EL0008	FTA-166-SUMP-SPS-EL0008-REG	22 FEB 2001	08:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
EL0008	FTA-166-SUMP-SPS-EL0008-REG	22 FEB 2001	08:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
EL0008	FTA-166-SUMP-SPS-EL0008-REG	22 FEB 2001	08:30	8 oz CWM	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
EL0008	FTA-166-SUMP-SPS-EL0008-REG	22 FEB 2001	08:30	8 oz CWM	1	None except cool to 4 C	PCBs by 8082, Semivolatiles by 8270C	N	
EL0009	FTA-166-SUMP-SPS-EL0009-REG	22 FEB 2001	08:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
EL0009	FTA-166-SUMP-SPS-EL0009-REG	22 FEB 2001	08:45	8 oz CWM	1	None except cool to 4 C	PCBs by 8082, Semivolatiles by 8270C	N	
EL0009	FTA-166-SUMP-SPS-EL0009-REG	22 FEB 2001	08:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
EL0009	FTA-166-SUMP-SPS-EL0009-REG	22 FEB 2001	08:45	8 oz CWM	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
EL0009	FTA-166-SUMP-SPS-EL0009-REG	22 FEB 2001	08:45	8 oz CWM	1	None except cool to 4 C	Reactive CN by 9030 - Reactive Sulfide by 9010	N	

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01B224 L4/VBS
**ANALYSIS REQUEST AND
 CHAIN OF CUSTODY RECORD**

Reference Document No: 166(w)-022201-EMAX

Page 1 of 2

Project Number: 774645

Samples Shipment Date: 22 FEB 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Knoxville

TN 37923

Turnaround Time:

24 hr Turn

Project Contact: Randy McBride

Report To: Duane Nielsen

Carrier/Waybill No.: Fed Ex/790478764040

312 Directors Drive

Knoxville

TN 37923

Special Instructions: None *24 hr Turn on ALL H₂O Samples

Possible Hazard Identification:

Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal:

Return to Client Disposal by Lab Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

OL Allen

Date: 2-22-01

Time: 1500

1. Received By
(Signature/Affiliation)

EMAX

Date: 2-23-01

Time: 0930

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

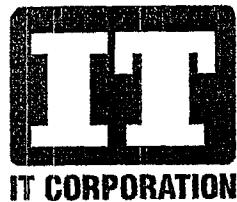
Time:

Comments: None

Cooler 1 T = 2.4°C

Cooler 2 T = 2.7°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	FII	CID	Condition On Receipt
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	40 mL VOA Vial	3	HCl< pH 2	Volatiles by 8260B	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L Amb. Glass	1	None except cool to 4 C	PCBs by 8082	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L HDPE	1	HNO3< pH 2	TAL Metals by 6010B/7470A - Water	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L Amb. Glass	1	None except cool to 4 C	CI Herbicides by 8151A	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L Amb. Glass	1	None except cool to 4 C	CI Pesticides by 8081A	N		
EL3005	FTA-166-SUMP-SPW-EL3005-REG	22 FEB 2001	09:30	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		



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OIB224 L4/VB5
**ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD**

Reference Document No: 166(w)-022201-EMAX
Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
						by 9010		



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01B261 R-10A3/VB2

Reference Document No: 166-022601-EMAX

Page 1 of 2

Project Number: 774645

Samples Shipment Date: 27 FEB 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Knoxville

TN 37923

Turnaround Time:

Project Contact: Randy McBride

Report To: Duane Nielsen

312 Directors Drive

7 Day Turn

Carrier/Waybill No.: Fed Ex/790482150885

Knoxville

TN 37923

Special Instructions: None

Possible Hazard Identification:

Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal:

Return to Client Disposal by Lab

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date: 2-27-01

Time: 1500

1. Received By
(Signature/Affiliation)

Date: 2-28-01

Time: 1000

D.K. Allen

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments: None

Cooler #1 T = 2.6°C

Cooler #5 T = 2.2°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	40 mL VOA Vial	3	HCl< pH 2	Volatiles by 8260B	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L Amb. Glass	1	None except cool to 4 C	PCBs by 8082	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L HDPE	1	HNO3< pH 2	TAL Metals by 6010B/7470A - Water	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L Amb. Glass	1	None except cool to 4 C	CI Pesticides by 8081A	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L Amb. Glass	1	None except cool to 4 C	CI Herbicides by 8151A	N	
EL3006	FTA-166-SUMP-SPW-EL3006-REG	26 FEB 2001	16:00	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N	



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 166-022601-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
						by 9010		

ATTACHMENT D

ANALYTICAL DATA SUMMARY

Summary of Validated Confirmatory Soil Samples
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

Page 1 of 8

User Test Group	Location Code:	FTA-166-SUMP	FTA-166-SUMP	FTA-166-SUMP	FTA-166-SUMP										
Lab Method	Associated Site:	FTA-166	FTA-166	FTA-166	FTA-166										
	Sample No:	EL0010	EL0007	EL0008	EL0009										
	Sample Date:	21-FEB-01	22-FEB-01	22-FEB-01	22-FEB-01										
	Sample Depth:	0 - 0	7. - 10	10 - 10	1 - 10										
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual		
CL HERBICIDE															
SW8151A															
2,2-Dichloropropanoic Acid	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
2,4,5-T	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
2,4,5-TP	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
2,4-D	mg/kg	.012	U	UJ	.0067	J	J	.004	J	J	.012	U	UJ		
2,4-DB	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
Dicamba	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
Dichloroprop	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
Dinoseb	mg/kg	.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ		
MCPA	mg/kg	2.3	U	UJ	2.3	U	UJ	2.4	U	UJ	2.3	U	UJ		
MCPP	mg/kg	2.3	U	UJ	2.3	U	UJ	2.4	U	UJ	2.3	U	UJ		
CL PESTICIDES															
SW8081A															
4,4'-DDD	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
4,4'-DDE	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
4,4'-DDT	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
Aldrin	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U		
Dieldrin	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
Endosulfan I	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U		
Endosulfan II	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
Endosulfan sulfate	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	J		
Endrin	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	J		
Endrin aldehyde	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	J		
Endrin ketone	mg/kg	.0046	U	U	.0047	U	U	.0048	U	U	.0047	U	U		
Heptachlor	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	J		
Heptachlor epoxide	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U		
Methoxychlor	mg/kg	.023	U	U	.023	U	U	.024	U	U	.023	U	U		
Toxaphene	mg/kg	.046	U	U	.047	U	U	.048	U	U	.047	U	U		
alpha-BHC	mg/kg	.0023	U	U	.0023	U	U	.0024	U	J	.0023	U	J		
alpha-Chlordane	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U		
beta-BHC	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U		

Summary of Validated Confirmatory Soil Samples
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

Page 2 of 8

User Test Group Lab Method	Location Code:	FTA-166-SUMP	FTA-166-SUMP	FTA-166-SUMP	FTA-166-SUMP								
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U
gamma-BHC (Lindane)	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U
gamma-Chlordane	mg/kg	.0023	U	U	.0023	U	U	.0024	U	U	.0023	U	U
METALS													
SW6010B													
Aluminum	mg/kg	16300			17700			17200			15800		
Antimony	mg/kg	11.6	U	UJ	11.7	U	UJ	5.84	J	J	4.96	J	J
Arsenic	mg/kg	5.41			5.44			5.92			7.16		
Barium	mg/kg	45.2			70.8			46.2			43.4		
Beryllium	mg/kg	.817	J	J	1.03	J	J	.858	J	J	.764	J	J
Cadmium	mg/kg	.58	U	U	.587	U	U	.597	U	U	.586	U	U
Calcium	mg/kg	8490	J		4400	J		11400	J		9570	J	
Chromium	mg/kg	21.6		J	22.1		J	22.6		J	23		J
Cobalt	mg/kg	13.2			13.9			14.8			10.8		
Copper	mg/kg	40.4			41.1			40.3			32.1		
Iron	mg/kg	32000			34900			33600			32700		
Lead	mg/kg	18.6			19.2			19.1			20.1		
Magnesium	mg/kg	9940	J		7320	J		10700	J		9050	J	
Manganese	mg/kg	182	J		138	J		184	J		148	J	
Nickel	mg/kg	40.6	J		42.2	J		43			34.5	J	
Potassium	mg/kg	961			999			854			1060		
Selenium	mg/kg	1.16	U	U	1.17	U	U	1.19	U	U	1.17	U	U
Silver	mg/kg	1.35	B		1.17	U	U	1.25	B		2.81		
Sodium	mg/kg	105	J	J	87.6	J	J	87.7	J	J	88.9	J	J
Thallium	mg/kg	.693	J	J	.686	J	J	2.39	U	U	.643	J	J
Vanadium	mg/kg	22.2			22.9			22			26.7		
Zinc	mg/kg	97.3		J	107		J	101		J	78.8		J
SW7471A													
Mercury	mg/kg	.053	J	J	.052	J	J	.045	J	J	.050	J	J

Summary of Validated Confirmatory Soil Samples
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

Page 3 of 8

User Test Group	Location Code:	FTA-166-SUMP	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP			
Lab Method	Associated Site:	FTA-166	FTA-166			FTA-166			FTA-166			
	Sample No:	EL0010	EL0007			EL0008			EL0009			
	Sample Date:	21-FEB-01	22-FEB-01			22-FEB-01			22-FEB-01			
	Sample Depth:	0 - 0	7. - 10			10 - 10			1 - 10			
Parameter	Units	Result	Qual	VQual		Result	Qual	VQual		Result	Qual	VQual
OP PESTICIDES												
SW8141_S												
Azinphosmethyl	mg/kg	.039	U	U		.037	U	U		.039	U	U
Bolstar	mg/kg	.039	U	U		.037	U	U		.039	U	U
Chlorpyrifos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Coumaphos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Demeton	mg/kg	.12	U	U		.11	U	U		.12	U	U
Diazinon	mg/kg	.039	U	U		.037	U	U		.039	U	U
Dichlorvos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Dimethoate	mg/kg	.039	U	U		.037	U	U		.039	U	U
Disulfoton	mg/kg	.039	U	U		.037	U	U		.039	U	U
Ethoprop	mg/kg	.039	U	U		.037	U	U		.039	U	U
Famphur	mg/kg	.039	U	U		.037	U	U		.039	U	U
Fensulfothion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Fenthion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Malathion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Merphos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Methyl Parathion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Mevinphos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Naled	mg/kg	.039	U	U		.037	U	U		.039	U	U
Parathion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Phorate	mg/kg	.039	U	U		.037	U	U		.039	U	U
Ronnel	mg/kg	.039	U	U		.037	U	U		.039	U	U
Stirophos	mg/kg	.039	U	U		.037	U	U		.039	U	U
Sulfotep	mg/kg	.039	U	U		.037	U	U		.039	U	U
Thionazin	mg/kg	.039	U	U		.037	U	U		.039	U	U
Tokuthion	mg/kg	.039	U	U		.037	U	U		.039	U	U
Trichloronate	mg/kg	.039	U	U		.037	U	U		.039	U	U
PEST/PCB												
SW8082												
Aroclor 1016	mg/kg	.046	U	U		.047	U	U		.048	U	U
Aroclor 1221	mg/kg	.046	U	U		.047	U	U		.048	U	U

Summary of Validated Confirmatory Soil Samples
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

Page 4 of 8

User Test Group	Location Code:	FTA-166-SUMP	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP					
Lab Method	Associated Site:	FTA-166	FTA-166			FTA-166			FTA-166					
	Sample No:	EL0010	EL0007			EL0008			EL0009					
	Sample Date:	21-FEB-01	22-FEB-01			22-FEB-01			22-FEB-01					
	Sample Depth:	0 - 0	7. - 10			10 - 10			1 - 10					
Parameter	Units	Result	Qual	VQual		Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
PEST/PCB														
SW8082														
Aroclor 1232	mg/kg	.046	U	U		.047	U	U	.048	U	U	.047	U	U
Aroclor 1242	mg/kg	.093	U	U		.094	U	U	.096	U	U	.094	U	U
Aroclor 1248	mg/kg	.046	U	U		.047	U	U	.048	U	U	.047	U	U
Aroclor 1254	mg/kg	.046	U	U		.047	U	U	.048	U	U	.047	U	U
Aroclor 1260	mg/kg	.046	U	U		.047	U	U	.048	U	U	.047	U	U
SEMIVOLATILES														
SW8270C														
1,2,4-Trichlorobenzene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
1,2-Dichlorobenzene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
1,3-Dichlorobenzene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
1,4-Dichlorobenzene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,4,5-Trichlorophenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,4,6-Trichlorophenol	mg/kg	.96	U	U		.97	U	U	.99	U	U	.97	U	U
2,4-Dichlorophenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,4-Dimethylphenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,4-Dinitrophenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,4-Dinitrotoluene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2,6-Dinitrotoluene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2-Chloronaphthalene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2-Chlorophenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2-Methylnaphthalene	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2-Methylphenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
2-Nitroaniline	mg/kg	.96	U	U		.97	U	U	.99	U	U	.97	U	U
2-Nitrophenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
3,3-Dichlorobenzidine	mg/kg	.96	U	U		.97	U	U	.99	U	U	.97	U	U
3-Nitroaniline	mg/kg	.96	U	U		.97	U	U	.99	U	U	.97	U	U
4,6-Dinitro-2-methylphenol	mg/kg	.96	U	U		.97	U	U	.99	U	U	.97	U	U
4-Bromophenyl phenyl ether	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
4-Chloro-3-methylphenol	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U
4-Chloroaniline	mg/kg	.38	U	U		.39	U	U	.39	U	U	.39	U	U

Summary of Validated Confirmatory Soil Samples
 Sump at the Training Aids Building
 Fort McClellan, Alabama

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User Test Group
 Lab Method

Parameter	Units	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP		
		Result	Qual	VQual									
SEMIVOLATILES													
SW8270C													
4-Chlorophenyl phenyl ether	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
4-Methylphenol	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
4-Nitroaniline	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
4-Nitrophenol	mg/kg	.96	U	U	.97	U	U	.99	U	U	.97	U	U
Acenaphthene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Acenaphthylene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Anthracene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Benzo(a)anthracene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Benzo(a)pyrene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Benzo(b)fluoranthene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Benzo(ghi)perylene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Benzo(k)fluoranthene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Butyl benzyl phthalate	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Carbazole	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Chrysene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Di-n-butyl phthalate	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Di-n-octyl phthalate	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Dibenz(a,h)anthracene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Dibenzofuran	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Diethyl phthalate	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Dimethyl phthalate	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Fluoranthene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Fluorene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Hexachlorobenzene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Hexachlorobutadiene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Hexachlorocyclopentadiene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Hexachloroethane	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Isophorone	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Naphthalene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U
Nitrobenzene	mg/kg	.38	U	U	.39	U	U	.39	U	U	.39	U	U

Summary of Validated Confirmatory Soil Samples

Sump at the Training Aids Building

Fort McClellan, Alabama

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User Test Group Lab Method	Location Code:	FTA-166-SUMP	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP		
Parameter	Associated Site:	FTA-166	FTA-166			FTA-166			FTA-166		
	Sample No:	EL0010	EL0007			EL0008			EL0009		
	Sample Date:	21-FEB-01	22-FEB-01			22-FEB-01			22-FEB-01		
	Sample Depth:	0 - 0	7. - 10			10 - 10			1 - 10		
SEMIVOLATILES			<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
SW8270C		Units									
Pentachlorophenol	mg/kg	.96	U	U		.97	U	U	.99	U	U
Phenanthrene	mg/kg	.38	U	U		.39	U	U	.39	U	U
Phenol	mg/kg	.38	U	U		.39	U	U	.39	U	U
Pyrene	mg/kg	.38	U	U		.39	U	U	.39	U	U
bis(2-Chloroethoxy)methane	mg/kg	.38	U	U		.39	U	U	.39	U	U
bis(2-Chloroethyl)ether	mg/kg	.38	U	U		.39	U	U	.39	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.38	U	U		.39	U	U	.39	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.38	U	U		.39	U	U	.39	U	U
n-Nitroso-di-n-propylamine	mg/kg	.38	U	U		.39	U	U	.39	U	U
n-Nitrosodiphenylamine	mg/kg	.38	U	U		.39	U	U	.39	U	U
VOLATILES											
SW8260B		Units									
1,1,1,2-Tetrachloroethane	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,1,1-Trichloroethane	mg/kg	.0044	U	U		.0046	U	U	.0045	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,1,2-Trichloroethane	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,1-Dichloroethane	mg/kg	.0044	U	U		.0046	U	U	.0045	U	U
1,1-Dichloroethene	mg/kg	.0044	U	U		.0046	U	U	.0045	U	U
1,1-Dichloropropene	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,2,3-Trichlorobenzene	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,2,3-Trichloropropane	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,2,4-Trichlorobenzene	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,2,4-Trimethylbenzene	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.0088	U	UJ		.0092	U	UJ	.0091	U	U
1,2-Dibromoethane	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,2-Dichlorobenzene	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U
1,2-Dichloroethane	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,2-Dichloropropane	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,2-Dimethylbenzene	mg/kg	.0044	U	UJ		.0046	U	U	.0045	U	U
1,3,5-Trimethylbenzene	mg/kg	.0044	U	UJ		.0046	U	UJ	.0045	U	U

Summary of Validated Confirmatory Soil Samples

Sump at the Training Aids Building

Fort McClellan, Alabama

Report Date: 09/06/01

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP		
<i>Lab Method</i>	<i>Associated Site:</i>	FTA-166			FTA-166			FTA-166			FTA-166		
	<i>Sample No:</i>	EL0010			EL0007			EL0008			EL0009		
	<i>Sample Date:</i>	21-FEB-01			22-FEB-01			22-FEB-01			22-FEB-01		
	<i>Sample Depth:</i>	0 - 0			7. - 10			10 - 10			1 - 10		
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>									
VOLATILES													
SW8260B													
1,3-Dichlorobenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
1,3-Dichloropropane	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
1,4-Dichlorobenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
2-Butanone	mg/kg	.018	U	U	.018	U	U	.018	U	U	.019	U	U
2-Hexanone	mg/kg	.018	U	UJ	.018	U	U	.018	U	U	.019	U	UJ
4-Methyl-2-pentanone	mg/kg	.0088	U	UJ	.0092	U	U	.0091	U	U	.0095	U	UJ
Acetone	mg/kg	.018	U	R	.018	U	R	.032	J		.045	J	
Benzene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Bromobenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
Bromochloromethane	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	U
Bromodichloromethane	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Bromoform	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
Bromomethane	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
Carbon disulfide	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	UJ	.0047	U	UJ
Carbon tetrachloride	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Chlorobenzene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Chloroethane	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
Chloroform	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
Chloromethane	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	UJ	.0047	U	UJ
Cumene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
Dibromochloromethane	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Dibromomethane	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Dichlorodifluoromethane	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	UJ	.0047	U	UJ
Ethylbenzene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Hexachlorobutadiene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
Methylene chloride	mg/kg	.0018	JB	B	.0016	JB	B	.0016	JB	B	.0016	JB	B
Naphthalene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
Styrene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Tetrachloroethene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Toluene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
Trichloroethene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ

**Summary of Validated Confirmatory Soil Samples
Sump at the Training Aids Building
Fort McClellan, Alabama**

Report Date: 09/06/01

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User Test Group	Location Code:	FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP			FTA-166-SUMP			
Lab Method	Associated Site:	FTA-166			FTA-166			FTA-166			FTA-166			
	Sample No:	EL0010			EL0007			EL0008			EL0009			
	Sample Date:	21-FEB-01			22-FEB-01			22-FEB-01			22-FEB-01			
	Sample Depth:	0 - 0			7. - 10			10 - 10			1 - 10			
VOLATILES	Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SW8260B	Trichlorofluoromethane	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
	Vinyl chloride	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
	cis-1,2-Dichloroethene	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
	cis-1,3-Dichloropropene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
	m,p-Xylenes	mg/kg	.0088	U	UJ	.0092	U	U	.0091	U	U	.0095	U	UJ
	n-Butylbenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	n-Propylbenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	o-Chlorotoluene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	p-Chlorotoluene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	p-Cymene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	sec-Butylbenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	U
	sec-Dichloropropane	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
	tert-Butylbenzene	mg/kg	.0044	U	UJ	.0046	U	UJ	.0045	U	U	.0047	U	UJ
	trans-1,2-Dichloroethene	mg/kg	.0044	U	U	.0046	U	U	.0045	U	U	.0047	U	U
	trans-1,3-Dichloropropene	mg/kg	.0044	U	UJ	.0046	U	U	.0045	U	U	.0047	U	UJ
WET_CHEM	Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SW7.3.3	REACTIVE CYANIDE	mg/kg	23.2	U	U	23.5	U	U	23.9	U	U	23.4	U	U
SW7.3.4	Reactive Sulfide	mg/kg	23.2	U	U	23.5	U	U	23.9	U	U	23.4	U	U

Summary of Validated Water Sample and Drain Piping Data
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

Parameter

CL HERBICIDE

SW8151A

	<i>Flt.</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
2,2-Dichloropropanoic Acid		mg/L	.0002	U	UJ	.0002	U	U
2,4,5-T		mg/L	.0002	U	U	.0002	U	U
2,4,5-TP		mg/L	.0002	U	U	.0002	U	U
2,4-D		mg/L	.0002	U	U	.0002	U	U
2,4-DB		mg/L	.0002	U	U	.0002	U	U
Dicamba		mg/L	.0002	U	U	.0002	U	U
Dichloroprop		mg/L	.0002	U	U	.0002	U	U
Dinoseb		mg/L	.0002	U	U	.0002	U	U
MCPA		mg/L	.1	U	U	.1	U	U
MCPP		mg/L	.1	U	U	.1	U	U

CL PESTICIDES

SW8081A

	<i>Flt.</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
4,4'-DDD		mg/L	.00019	U	U	.00019	U	U
4,4'-DDE		mg/L	.00019	U	U	.00019	U	U
4,4'-DDT		mg/L	.00019	U	U	.00019	U	U
Aldrin		mg/L	.000096	U	U	.000094	U	U
Dieldrin		mg/L	.00019	U	U	.00012	J	J
Endosulfan I		mg/L	.000096	U	U	.000094	U	U
Endosulfan II		mg/L	.00019	U	U	.00019	U	U
Endosulfan sulfate		mg/L	.00019	U	U	.00019	U	U
Endrin		mg/L	.00019	U	U	.00019	U	U
Endrin aldehyde		mg/L	.00019	U	U	.00019	U	U
Endrin ketone		mg/L	.00019	U	U	.00019	U	U
Heptachlor		mg/L	.000096	U	U	.000094	U	U
Heptachlor epoxide		mg/L	.000096	U	U	.000094	U	U
Methoxychlor		mg/L	.00096	U	U	.00094	U	U
Toxaphene		mg/L	.0019	U	U	.0019	U	U
alpha-BHC		mg/L	.000062	J	J	.000094	U	U
alpha-Chlordane		mg/L	.000096	U	U	.000094	U	U
beta-BHC		mg/L	.000096	U	U	.000094	U	U

Summary of Validated Water Sample and Drain Piping Data
 Sump at the Training Aids Building
 Fort McClellan, Alabama

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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CL PESTICIDES

SW8081A

delta-BHC	mg/L	.000076	J	J	.000094	U	U
gamma-BHC (Lindane)	mg/L	.000096	U	UJ	.000094	U	U
gamma-Chlordane	mg/L	.000096	U	U	.000094	U	U

METALS

SW6010B

Aluminum	mg/L	9.28			.2	U	UJ
Antimony	mg/L	.1	U	U	.1	U	UJ
Arsenic	mg/L	.00491	J	J	.01	U	UJ
Barium	mg/L	.0654			.01	U	UJ
Beryllium	mg/L	.001	U	U	.001	U	UJ
Cadmium	mg/L	.01	U	U	.01	U	UJ
Calcium	mg/L	23			.093	J	J
Chromium	mg/L	.00884	J	J	.0289		J
Cobalt	mg/L	.011	J	J	.02	U	UJ
Copper	mg/L	.0188	J	B	.102		J
Iron	mg/L	11.8			.269		J
Lead	mg/L	.0118			.00138	J	J
Magnesium	mg/L	11.2			1	U	UJ
Manganese	mg/L	.132			.00181	J	J
Nickel	mg/L	.02	U	U	.0143	J	B
Potassium	mg/L	3.11	J	J	5	U	UJ
Selenium	mg/L	.00274	J	J	.00331	J	B
Silver	mg/L	.01	U	U	.0617		J
Sodium	mg/L	4.01			1	U	UJ
Thallium	mg/L	.01	U	U	.01	U	UJ
Vanadium	mg/L	.0187		B	.01	U	UJ
Zinc	mg/L	.05			.00975	J	J

SW7470A

Mercury	mg/L	.0005	U	U	.0005	U	UJ
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Summary of Validated Water Sample and Drain Piping Data
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No.:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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OP PESTICIDES

SW8141_W

Azinphosmethyl	mg/L	.001	U	U	.001	U	U
Bolstar	mg/L	.001	U	U	.001	U	U
Chlorpyrifos	mg/L	.001	U	U	.001	U	U
Coumaphos	mg/L	.001	U	U	.001	U	U
Demeton	mg/L	.001	U	U	.001	U	U
Diazinon	mg/L	.001	U	U	.001	U	U
Dichlorvos	mg/L	.001	U	U	.001	U	U
Dimethoate	mg/L	.001	U	U	.001	U	U
Disulfoton	mg/L	.001	U	U	.001	U	U
Ethoprop	mg/L	.001	U	U	.001	U	U
Famphur	mg/L	.001	U	U	.001	U	U
Fensulfothion	mg/L	.001	U	U	.001	U	U
Fenthion	mg/L	.001	U	U	.001	U	U
Malathion	mg/L	.001	U	U	.001	U	U
Merphos	mg/L	.001	U	U	.001	U	U
Methyl Parathion	mg/L	.001	U	U	.001	U	U
Mevinphos	mg/L	.001	U	U	.001	U	U
Naled	mg/L	.001	U	U	.001	U	U
Parathion	mg/L	.001	U	U	.001	U	U
Phorate	mg/L	.001	U	U	.001	U	U
Ronnel	mg/L	.001	U	U	.001	U	U
Stirophos	mg/L	.001	U	U	.001	U	U
Sulfotep	mg/L	.001	U	U	.001	U	U
Thionazin	mg/L	.001	U	U	.001	U	U
Tokuthion	mg/L	.001	U	U	.001	U	U
Trichloronate	mg/L	.001	U	U	.001	U	U

PEST/PCB

SW8082

Aroclor 1016	mg/L	.00096	U	U	.00094	U	U
Aroclor 1221	mg/L	.00096	U	U	.00094	U	U

Summary of Validated Water Sample and Drain Piping Data
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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>FTA-166-SUMP</i>
	<i>Associated Site:</i>	FTA-166	FTA-166
	<i>Sample No.:</i>	EL3005	EL3006
	<i>Sample Date:</i>	22-FEB-01	26-FEB-01

<i>User Test Group</i>	<i>Lab Method</i>	<i>Parameter</i>	<i>Filt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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PEST/PCB

SW8082

Aroclor 1232	mg/L	.00096	U	U	.00094	U	U
Aroclor 1242	mg/L	.0019	U	U	.0019	U	U
Aroclor 1248	mg/L	.00096	U	U	.00094	U	U
Aroclor 1254	mg/L	.00096	U	U	.00094	U	U
Aroclor 1260	mg/L	.00096	U	U	.00094	U	U

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/L	.0095	U	U	.0094	U	U
1,2-Dichlorobenzene	mg/L	.0095	U	U	.0094	U	U
1,3-Dichlorobenzene	mg/L	.0095	U	U	.0094	U	U
1,4-Dichlorobenzene	mg/L	.0095	U	U	.0094	U	U
2,4,5-Trichlorophenol	mg/L	.0095	U	U	.0094	U	U
2,4,6-Trichlorophenol	mg/L	.024	U	U	.024	U	U
2,4-Dichlorophenol	mg/L	.0095	U	U	.0094	U	U
2,4-Dimethylphenol	mg/L	.0095	U	U	.0094	U	U
2,4-Dinitrophenol	mg/L	.024	U	U	.024	U	U
2,4-Dinitrotoluene	mg/L	.0095	U	U	.0094	U	U
2,6-Dinitrotoluene	mg/L	.0095	U	U	.0094	U	U
2-Chloronaphthalene	mg/L	.0095	U	U	.0094	U	U
2-Chlorophenol	mg/L	.0095	U	U	.0094	U	U
2-Methylnaphthalene	mg/L	.0095	U	U	.0094	U	U
2-Methylphenol	mg/L	.0095	U	U	.0094	U	U
2-Nitroaniline	mg/L	.024	U	U	.024	U	U
2-Nitrophenol	mg/L	.0095	U	U	.0094	U	U
3,3-Dichlorobenzidine	mg/L	.024	U	U	.024	U	U
3-Nitroaniline	mg/L	.024	U	U	.024	U	U
4,6-Dinitro-2-methylphenol	mg/L	.024	U	U	.024	U	UJ
4-Bromophenyl phenyl ether	mg/L	.0095	U	U	.0094	U	UJ
4-Chloro-3-methylphenol	mg/L	.0095	U	U	.0094	U	U
4-Chloroaniline	mg/L	.0095	U	U	.0094	U	U

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No.:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
SEMIVOLATILES								
SW8270C								
4-Chlorophenyl phenyl ether		mg/L	.0095	U	U	.0094	U	U
4-Methylphenol		mg/L	.0095	U	U	.0094	U	U
4-Nitroaniline		mg/L	.0095	U	U	.0094	U	U
4-Nitrophenol		mg/L	.024	U	U	.024	U	U
Acenaphthene		mg/L	.0095	U	U	.0094	U	U
Acenaphthylene		mg/L	.0095	U	U	.0094	U	U
Anthracene		mg/L	.0095	U	U	.0094	U	UJ
Benzo(a)anthracene		mg/L	.0095	U	U	.0094	U	U
Benzo(a)pyrene		mg/L	.0095	U	U	.0094	U	U
Benzo(b)fluoranthene		mg/L	.0095	U	U	.0094	U	U
Benzo(ghi)perylene		mg/L	.0095	U	U	.0094	U	U
Benzo(k)fluoranthene		mg/L	.0095	U	U	.0094	U	U
Butyl benzyl phthalate		mg/L	.0095	U	U	.0094	U	U
Carbazole		mg/L	.0095	U	U	.0094	U	UJ
Chrysene		mg/L	.0095	U	U	.0094	U	U
Di-n-butyl phthalate		mg/L	.0095	U	U	.0094	U	UJ
Di-n-octyl phthalate		mg/L	.0095	U	U	.0094	U	U
Dibenz(a,h)anthracene		mg/L	.0095	U	U	.0094	U	U
Dibenzofuran		mg/L	.0095	U	U	.0094	U	U
Diethyl phthalate		mg/L	.0095	U	U	.0094	U	U
Dimethyl phthalate		mg/L	.0095	U	U	.0094	U	U
Fluoranthene		mg/L	.0095	U	U	.0094	U	UJ
Fluorene		mg/L	.0095	U	U	.0094	U	U
Hexachlorobenzene		mg/L	.0095	U	U	.0094	U	UJ
Hexachlorobutadiene		mg/L	.0095	U	U	.0094	U	U
Hexachlorocyclopentadiene		mg/L	.0095	U	U	.0094	U	U
Hexachloroethane		mg/L	.0095	U	U	.0094	U	U
Indeno(1,2,3-cd)pyrene		mg/L	.0095	U	U	.0094	U	U
Isophorone		mg/L	.0095	U	U	.0094	U	U
Naphthalene		mg/L	.0095	U	U	.0094	U	U
Nitrobenzene		mg/L	.0095	U	U	.0094	U	U

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 Sump at the Training Aids Building
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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No.:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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SEMIVOLATILES

SW8270C

Pentachlorophenol	mg/L	.024	U	U		.024	U	UJ
Phenanthere	mg/L	.0095	U	U		.019		J
Phenol	mg/L	.0095	U	U		.0094	U	U
Pyrene	mg/L	.0095	U	U		.0094	U	U
bis(2-Chloroethoxy)methane	mg/L	.0095	U	U		.0094	U	U
bis(2-Chloroethyl)ether	mg/L	.0095	U	U		.0094	U	U
bis(2-Chloroisopropyl)ether	mg/L	.0095	U	U		.0094	U	U
bis(2-Ethylhexyl)phthalate	mg/L	.0028	J	J		.11		
n-Nitroso-di-n-propylamine	mg/L	.0095	U	U		.0094	U	U
n-Nitrosodiphenylamine	mg/L	.0095	U	U		.0094	U	UJ

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/L	.005	U	U		.005	U	U
1,1,1-Trichloroethane	mg/L	.005	U	U		.005	U	U
1,1,2,2-Tetrachloroethane	mg/L	.005	U	U		.005	U	U
1,1,2-Trichloroethane	mg/L	.005	U	U		.005	U	U
1,1-Dichloroethane	mg/L	.005	U	U		.005	U	U
1,1-Dichloroethene	mg/L	.005	U	U		.005	U	U
1,1-Dichloropropene	mg/L	.005	U	U		.005	U	U
1,2,3-Trichlorobenzene	mg/L	.005	U	U		.005	U	U
1,2,3-Trichloropropane	mg/L	.005	U	U		.005	U	U
1,2,4-Trichlorobenzene	mg/L	.005	U	U		.005	U	U
1,2,4-Trimethylbenzene	mg/L	.005	U	U		.005	U	U
1,2-Dibromo-3-Chloropropane	mg/L	.01	U	U		.01	U	U
1,2-Dibromoethane	mg/L	.005	U	U		.005	U	UJ
1,2-Dichlorobenzene	mg/L	.005	U	U		.005	U	U
1,2-Dichloroethane	mg/L	.005	U	U		.005	U	U
1,2-Dichloropropane	mg/L	.005	U	U		.005	U	U
1,2-Dimethylbenzene	mg/L	.005	U	U		.005	U	U
1,3,5-Trimethylbenzene	mg/L	.005	U	U		.005	U	U

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No.:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
VOLATILES								
SW8260B								
1,3-Dichlorobenzene		mg/L	.005	U	U	.005	U	U
1,3-Dichloropropane		mg/L	.005	U	U	.005	U	U
1,4-Dichlorobenzene		mg/L	.005	U	U	.005	U	U
2-Butanone		mg/L	.02	U	U	.02	U	R
2-Hexanone		mg/L	.02	U	U	.02	U	U
4-Methyl-2-pentanone		mg/L	.01	U	U	.01	U	U
Acetone		mg/L	.02	U	U	.02	U	R
Benzene		mg/L	.005	U	U	.005	U	U
Bromobenzene		mg/L	.005	U	U	.005	U	U
Bromoform		mg/L	.005	U	U	.005	U	U
Bromomethane		mg/L	.005	U	U	.005	U	U
Bromodichloromethane		mg/L	.005	U	U	.005	U	U
Carbon disulfide		mg/L	.005	U	U	.005	U	U
Carbon tetrachloride		mg/L	.005	U	U	.005	U	U
Chlorobenzene		mg/L	.005	U	U	.005	U	U
Chloroethane		mg/L	.005	U	U	.005	U	U
Chloroform		mg/L	.005	U	U	.0021	J	J
Chloromethane		mg/L	.005	U	U	.005	U	U
Cumene		mg/L	.005	U	U	.005	U	U
Dibromochloromethane		mg/L	.005	U	U	.005	U	U
Dibromomethane		mg/L	.005	U	U	.005	U	U
Dichlorodifluoromethane		mg/L	.005	U	U	.005	U	U
Ethylbenzene		mg/L	.005	U	U	.005	U	U
Hexachlorobutadiene		mg/L	.005	U	U	.005	U	U
Methylene chloride		mg/L	.002	JB	B	.004	J	J
Naphthalene		mg/L	.005	U	U	.005	U	U
Styrene		mg/L	.005	U	U	.005	U	U
Tetrachloroethene		mg/L	.005	U	U	.005	U	U
Toluene		mg/L	.005	U	U	.005	U	U
Trichloroethene		mg/L	.005	U	U	.005	U	U

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<i>Location Code:</i>	FTA-166-SUMP	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166	FTA-166
<i>Sample No.:</i>	EL3005	EL3006
<i>Sample Date:</i>	22-FEB-01	26-FEB-01

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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VOLATILES

SW8260B

Trichlorofluoromethane	mg/L	.005	U	U	.005	U	U
Vinyl chloride	mg/L	.005	U	U	.005	U	U
cis-1,2-Dichloroethene	mg/L	.005	U	U	.005	U	U
cis-1,3-Dichloropropene	mg/L	.005	U	U	.005	U	U
m,p-Xylenes	mg/L	.01	U	U	.01	U	U
n-Butylbenzene	mg/L	.005	U	U	.005	U	U
n-Propylbenzene	mg/L	.005	U	U	.005	U	U
o-Chlorotoluene	mg/L	.005	U	U	.005	U	U
p-Chlorotoluene	mg/L	.005	U	U	.005	U	U
p-Cymene	mg/L	.005	U	U	.005	U	U
sec-Butylbenzene	mg/L	.005	U	U	.005	U	U
sec-Dichloropropane	mg/L	.005	U	U	.005	U	U
tert-Butylbenzene	mg/L	.005	U	U	.005	U	U
trans-1,2-Dichloroethene	mg/L	.005	U	U	.005	U	U
trans-1,3-Dichloropropene	mg/L	.005	U	U	.005	U	U

WET_CHEM

SW7.3.3

REACTIVE CYANIDE	mg/L	.1	U	U	.1	U	U
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SW7.3.4

Reactive Sulfide	mg/L	1	U	U	1	U	U
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Sump Contents (Water) Waste Characterization Data
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<i>Location Code:</i>	FTA-166-SUMP
<i>Associated Site:</i>	FTA-166
<i>Sample No.:</i>	EL4001
<i>Sample Date:</i>	30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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CL HERBICIDE

SW8151A

2,2-Dichloropropanoic Acid	ug/L	1	U	nv
2,4,5-T	ug/L	1	U	nv
2,4,5-TP	ug/L	1	U	nv
2,4-D	ug/L	1	U	nv
2,4-DB	ug/L	1	U	nv
Dicamba	ug/L	1	U	nv
Dichloroprop	ug/L	1	U	nv
Dinoseb	ug/L	1	U	nv
MCPA	ug/L	1600	J	nv
MCPP	ug/L	500	U	nv

CL PESTICIDES

SW8081A

4,4'-DDD	ug/L	4	U	nv
4,4'-DDE	ug/L	4	U	nv
4,4'-DDT	ug/L	4	U	nv
Aldrin	ug/L	2	U	nv
Dieldrin	ug/L	4	U	nv
Endosulfan I	ug/L	2	U	nv
Endosulfan II	ug/L	4	U	nv
Endosulfan sulfate	ug/L	4	U	nv
Endrin	ug/L	4	U	nv
Endrin aldehyde	ug/L	4	U	nv
Endrin ketone	ug/L	4	U	nv
Heptachlor	ug/L	2	U	nv
Heptachlor epoxide	ug/L	2	U	nv
Methoxychlor	ug/L	20	U	nv
Toxaphene	ug/L	40	U	nv
alpha-BHC	ug/L	2	U	nv
alpha-Chlordane	ug/L	2	U	nv
beta-BHC	ug/L	2	U	nv

Sump Contents (Water) Waste Characterization Data
 Sump at the Training Aids Building
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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No.: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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CL PESTICIDES

SW8081A

delta-BHC	ug/L	2	U	nv
gamma-BHC (Lindane)	ug/L	2	U	nv
gamma-Chlordane	ug/L	2	U	nv

CYANIDE

SW9014

Cyanide	mg/L	.01	U	nv
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METALS

SW6010B

Aluminum	mg/kg	21.7		nv
Antimony	mg/kg	10	U	nv
Arsenic	mg/kg	1	U	nv
Barium	mg/kg	.225	J	nv
Beryllium	mg/kg	1	U	nv
Cadmium	mg/kg	.5	U	nv
Calcium	mg/kg	122		nv
Chromium	mg/kg	9.45		nv
Cobalt	mg/kg	.48	J	nv
Copper	mg/kg	.81	J	nv
Iron	mg/kg	291		nv
Lead	mg/kg	.171	J	nv
Magnesium	mg/kg	26.5	J	nv
Manganese	mg/kg	1.59		nv
Nickel	mg/kg	2	U	nv
Potassium	mg/kg	2050		nv
Selenium	mg/kg	1	U	nv
Silver	mg/kg	3.68		nv
Sodium	mg/kg	1900		nv
Thallium	mg/kg	.646	J	nv
Vanadium	mg/kg	1	U	nv
Zinc	mg/kg	2.81		nv

Sump Contents (Water) Waste Characterization Data
 Sump at the Training Aids Building
 Fort McClellan, Alabama

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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No.: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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METALS

SW7470A

Mercury	ug/L	.5	U	nv
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PEST/PCB

SW8082

Aroclor 1016	ug/L	20	U	nv
Aroclor 1221	ug/L	20	U	nv
Aroclor 1232	ug/L	20	U	nv
Aroclor 1242	ug/L	40	U	nv
Aroclor 1248	ug/L	20	U	nv
Aroclor 1254	ug/L	20	U	nv
Aroclor 1260	ug/L	20	U	nv

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	ug/L	50	U	nv
1,2-Dichlorobenzene	ug/L	50	U	nv
1,3-Dichlorobenzene	ug/L	50	U	nv
1,4-Dichlorobenzene	ug/L	50	U	nv
2,4,5-Trichlorophenol	ug/L	50	U	nv
2,4,6-Trichlorophenol	ug/L	120	U	nv
2,4-Dichlorophenol	ug/L	50	U	nv
2,4-Dimethylphenol	ug/L	50	U	nv
2,4-Dinitrophenol	ug/L	120	U	nv
2,4-Dinitrotoluene	ug/L	50	U	nv
2,6-Dinitrotoluene	ug/L	50	U	nv
2-Chloronaphthalene	ug/L	50	U	nv
2-Chlorophenol	ug/L	50	U	nv
2-Methylnaphthalene	ug/L	50	U	nv
2-Methylphenol	ug/L	50	U	nv
2-Nitroaniline	ug/L	120	U	nv
2-Nitrophenol	ug/L	50	U	nv
3,3-Dichlorobenzidine	ug/L	120	U	nv

Sump Contents (Water) Waste Characterization Data

Sump at the Training Aids Building

Fort McClellan, Alabama

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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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SEMIVOLATILES

SW8270C

3-Nitroaniline	ug/L	120	U	nv
4,6-Dinitro-2-methylphenol	ug/L	120	U	nv
4-Bromophenyl phenyl ether	ug/L	50	U	nv
4-Chloro-3-methylphenol	ug/L	50	U	nv
4-Chloroaniline	ug/L	50	U	nv
4-Chlorophenyl phenyl ether	ug/L	50	U	nv
4-Methylphenol	ug/L	50	U	nv
4-Nitroaniline	ug/L	50	U	nv
4-Nitrophenol	ug/L	120	U	nv
Acenaphthene	ug/L	50	U	nv
Acenaphthylene	ug/L	50	U	nv
Anthracene	ug/L	50	U	nv
Benzo(a)anthracene	ug/L	50	U	nv
Benzo(a)pyrene	ug/L	50	U	nv
Benzo(b)fluoranthene	ug/L	50	U	nv
Benzo(ghi)perylene	ug/L	50	U	nv
Benzo(k)fluoranthene	ug/L	50	U	nv
Butyl benzyl phthalate	ug/L	50	U	nv
Carbazole	ug/L	50	U	nv
Chrysene	ug/L	50	U	nv
Di-n-butyl phthalate	ug/L	50	U	nv
Di-n-octyl phthalate	ug/L	50	U	nv
Dibenz(a,h)anthracene	ug/L	50	U	nv
Dibenzofuran	ug/L	50	U	nv
Diethyl phthalate	ug/L	50	U	nv
Dimethyl phthalate	ug/L	50	U	nv
Fluoranthene	ug/L	50	U	nv
Fluorene	ug/L	50	U	nv
Hexachlorobenzene	ug/L	50	U	nv
Hexachlorobutadiene	ug/L	50	U	nv
Hexachlorocyclopentadiene	ug/L	50	U	nv

Sump Contents (Water) Waste Characterization Data
 Sump at the Training Aids Building
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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No.: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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SEMIVOLATILES

SW8270C

Hexachloroethane	ug/L	50	U	nv
Indeno(1,2,3-cd)pyrene	ug/L	50	U	nv
Isophorone	ug/L	50	U	nv
Naphthalene	ug/L	50	U	nv
Nitrobenzene	ug/L	50	U	nv
Pentachlorophenol	ug/L	120	U	nv
Phenanthrene	ug/L	50	U	nv
Phenol	ug/L	78		nv
Pyrene	ug/L	50	U	nv
bis(2-Chloroethoxy)methane	ug/L	50	U	nv
bis(2-Chloroethyl)ether	ug/L	50	U	nv
bis(2-Chloroisopropyl)ether	ug/L	50	U	nv
bis(2-Ethylhexyl)phthalate	ug/L	58		nv
n-Nitroso-di-n-propylamine	ug/L	50	U	nv
n-Nitrosodiphenylamine	ug/L	50	U	nv

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	ug/L	25	U	nv
1,1,1-Trichloroethane	ug/L	25	U	nv
1,1,2,2-Tetrachloroethane	ug/L	25	U	nv
1,1,2-Trichloroethane	ug/L	25	U	nv
1,1-Dichloroethane	ug/L	25	U	nv
1,1-Dichloroethene	ug/L	25	U	nv
1,1-Dichloropropene	ug/L	25	U	nv
1,2,3-Trichlorobenzene	ug/L	25	U	nv
1,2,3-Trichloropropane	ug/L	25	U	nv
1,2,4-Trichlorobenzene	ug/L	25	U	nv
1,2,4-Trimethylbenzene	ug/L	25	U	nv
1,2-Dibromo-3-Chloropropane	ug/L	50	U	nv
1,2-Dibromoethane	ug/L	25	U	nv

Sump Contents (Water) Waste Characterization Data

Sump at the Training Aids Building

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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No.: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

<i>Parameter</i>	<i>Flt.</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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VOLATILES

SW8260B

1,2-Dichlorobenzene	ug/L	25	U	nv
1,2-Dichloroethane	ug/L	25	U	nv
1,2-Dichloropropane	ug/L	25	U	nv
1,2-Dimethylbenzene	ug/L	25	U	nv
1,3,5-Trimethylbenzene	ug/L	25	U	nv
1,3-Dichlorobenzene	ug/L	25	U	nv
1,3-Dichloropropane	ug/L	25	U	nv
1,4-Dichlorobenzene	ug/L	25	U	nv
2-Butanone	ug/L	36	J	nv
2-Hexanone	ug/L	100	U	nv
4-Methyl-2-pentanone	ug/L	180		nv
Acetone	ug/L	710		nv
Benzene	ug/L	25	U	nv
Bromobenzene	ug/L	25	U	nv
Bromochloromethane	ug/L	25	U	nv
Bromodichloromethane	ug/L	25	U	nv
Bromoform	ug/L	25	U	nv
Bromomethane	ug/L	25	U	nv
Carbon disulfide	ug/L	13	J	nv
Carbon tetrachloride	ug/L	25	U	nv
Chlorobenzene	ug/L	25	U	nv
Chloroethane	ug/L	25	U	nv
Chloroform	ug/L	25	U	nv
Chloromethane	ug/L	25	U	nv
Cumene	ug/L	25	U	nv
Dibromochloromethane	ug/L	25	U	nv
Dibromomethane	ug/L	25	U	nv
Dichlorodifluoromethane	ug/L	25	U	nv
Ethylbenzene	ug/L	25	U	nv
Hexachlorobutadiene	ug/L	25	U	nv
Methylene chloride	ug/L	25	U	nv

Sump Contents (Water) Waste Characterization Data

Sump at the Training Aids Building

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Location Code: FTA-166-SUMP
Associated Site: FTA-166
Sample No.: EL4001
Sample Date: 30-NOV-00

User Test Group
Lab Method

	<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
VOLATILES						
SW8260B	Naphthalene		ug/L	25	U	nv
	Styrene		ug/L	25	U	nv
	Tetrachloroethene		ug/L	25	U	nv
	Toluene		ug/L	25	U	nv
	Trichloroethene		ug/L	25	U	nv
	Trichlorofluoromethane		ug/L	25	U	nv
	Vinyl chloride		ug/L	25	U	nv
	cis-1,2-Dichloroethene		ug/L	25	U	nv
	cis-1,3-Dichloropropene		ug/L	25	U	nv
	m,p-Xylenes		ug/L	50	U	nv
	n-Butylbenzene		ug/L	25	U	nv
	n-Propylbenzene		ug/L	25	U	nv
	o-Chlorotoluene		ug/L	25	U	nv
	p-Chlorotoluene		ug/L	25	U	nv
	p-Cymene		ug/L	65		nv
	sec-Butylbenzene		ug/L	25	U	nv
	sec-Dichloropropane		ug/L	25	U	nv
	tert-Butylbenzene		ug/L	25	U	nv
	trans-1,2-Dichloroethene		ug/L	25	U	nv
	trans-1,3-Dichloropropene		ug/L	25	U	nv

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
<i>Lab Method</i>	<i>Sample No.:</i>	EL5001	<i>Sample Date:</i>	30-NOV-00	EL5002
	<i>Sample Depth:</i>	0 - 0			30-NOV-00

<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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CL HERBICIDE

SW8151A

2,2-Dichloropropanoic Acid	ug/kg	44	U	nv
2,4,5-T	ug/kg	44	U	nv
2,4,5-TP	ug/kg	30	J	nv
2,4-D	ug/kg	15	J	nv
2,4-DB	ug/kg	16	J	nv
Dicamba	ug/kg	44	U	nv
Dichloroprop	ug/kg	18	J	nv
Dinoseb	ug/kg	44	U	nv
MCPA	ug/kg	8700	J	nv
MCPP	ug/kg	8900	U	nv

CL PESTICIDES

SW8081A

4,4'-DDD	ug/kg	890	U	nv
4,4'-DDE	ug/kg	890	U	nv
4,4'-DDT	ug/kg	890	U	nv
Aldrin	ug/kg	890	U	nv
Dieldrin	ug/kg	890	U	nv
Endosulfan I	ug/kg	440	U	nv
Endosulfan II	ug/kg	890	U	nv
Endosulfan sulfate	ug/kg	890	U	nv
Endrin	ug/kg	890	U	nv
Endrin aldehyde	ug/kg	890	U	nv
Endrin ketone	ug/kg	890	U	nv
Heptachlor	ug/kg	440	U	nv
Heptachlor epoxide	ug/kg	440	U	nv
Methoxychlor	ug/kg	4400	U	nv
Toxaphene	ug/kg	8900	U	nv
alpha-BHC	ug/kg	440	U	nv
alpha-Chlordane	ug/kg	440	U	nv
beta-BHC	ug/kg	890	U	nv

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166-SUMP
	<i>Associated Site:</i>	FTA-166		FTA-166
	<i>Sample No.:</i>	EL5001		EL5002
	<i>Sample Date:</i>	30-NOV-00		30-NOV-00
	<i>Sample Depth:</i>	0 - 0		0 - 0

<i>User Test Group</i>	<i>Lab Method</i>	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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CL PESTICIDES

SW8081A

delta-BHC	ug/kg	440	U	nv
gamma-BHC (Lindane)	ug/kg	440	U	nv
gamma-Chlordane	ug/kg	440	U	nv

CYANIDE

SW9014

Cyanide	mg/kg	2.22	U	nv
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LEACH-HERBICIDE

SW8151A-1311

2,4,5-TP	ug/L	20	U	nv
2,4-D	ug/L	13	J	nv

LEACH-METALS

SW6010B-1311

Aluminum	mg/kg	2750		nv
Antimony	mg/kg	15	J	nv
Arsenic	mg/L	1	U	nv
Arsenic	mg/kg	2.77	J	nv
Barium	mg/L	.491	J	nv
Barium	mg/kg	35.2		nv
Beryllium	mg/kg	.0591	J	nv
Cadmium	mg/L	.5	U	nv
Cadmium	mg/kg	1.42	J	nv
Calcium	mg/kg	5910		nv
Chromium	mg/L	.314	J	nv
Chromium	mg/kg	470		nv
Cobalt	mg/kg	8.44	U	nv
Copper	mg/kg	599		nv
Iron	mg/kg	5490		nv
Lead	mg/L	.00893	J	nv
Lead	mg/kg	8.29		nv

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	<i>Sample No:</i>	EL5001	<i>Sample Date:</i>	30-NOV-00	<i>Sample Depth:</i>	0 - 0	<i>FTA-166-SUMP</i>
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<i>User Test Group</i>	<i>Lab Method</i>	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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LEACH-METALS

SW6010B-1311

Magnesium	mg/kg	433	nv
Manganese	mg/kg	18.4	nv
Nickel	mg/kg	12.8	nv
Potassium	mg/kg	10000	nv
Selenium	mg/L	.0108	J nv
Selenium	mg/kg	4.22	U nv
Silver	mg/L	24.3	nv
Silver	mg/kg	953	nv
Sodium	mg/kg	10800	nv
Thallium	mg/kg	8.44	U nv
Vanadium	mg/kg	2.25	J nv
Zinc	mg/kg	63.8	nv

SW7470A-1311

Mercury	ug/L	20	U	nv
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LEACH-PCBS

SW8082-1311

Aroclor 1016	ug/L	10	U	nv
Aroclor 1221	ug/L	10	U	nv
Aroclor 1232	ug/L	10	U	nv
Aroclor 1242	ug/L	20	U	nv
Aroclor 1248	ug/L	10	U	nv
Aroclor 1254	ug/L	10	U	nv
Aroclor 1260	ug/L	10	U	nv

LEACH-PESTICIDE

SW8081A-1311

Endrin	ug/L	1	U	nv
Heptachlor	ug/L	.5	U	nv
Heptachlor epoxide	ug/L	.5	U	nv
Methoxychlor	ug/L	5	U	nv

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
<i>Lab Method</i>	<i>Sample No:</i>	EL5001	<i>Sample Date:</i>	30-NOV-00	EL5002
	<i>Sample Depth:</i>	0 - 0			30-NOV-00
	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
LEACH-PESTICIDE					
SW8081A-1311	Toxaphene	ug/L	10	U	nv
	alpha-Chlordane	ug/L	.5	U	nv
	gamma-BHC (Lindane)	ug/L	.5	U	nv
	gamma-Chlordane	ug/L	.5	U	nv
LEACH-SVOCs					
SW8270C-1311	2,4,5-Trichlorophenol	ug/L	500	U	nv
	2,4,6-Trichlorophenol	ug/L	100	U	nv
	2,4-Dinitrotoluene	ug/L	100	U	nv
	2-Methylphenol	ug/L	100	U	nv
	4-Methylphenol	ug/L	100	U	nv
	Hexachlorobenzene	ug/L	100	U	nv
	Hexachlorobutadiene	ug/L	200	U	nv
	Hexachloroethane	ug/L	100	U	nv
	Nitrobenzene	ug/L	100	U	nv
	Pentachlorophenol	ug/L	500	U	nv
	Pyridine	ug/L	110	J	nv
LEACH-VOCS					
SW8260B-1311	1,1-Dichloroethene	ug/L	50	U	nv
	1,2-Dichloroethane	ug/L	50	U	nv
	1,4-Dichlorobenzene	ug/L	50	U	nv
	2-Butanone	ug/L	500	U	nv
	Benzene	ug/L	50	U	nv
	Carbon tetrachloride	ug/L	50	U	nv
	Chlorobenzene	ug/L	50	U	nv
	Chloroform	ug/L	50	U	nv
	Tetrachloroethene	ug/L	50	U	nv
	Trichloroethene	ug/L	50	U	nv
	Vinyl chloride	ug/L	50	U	nv

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
<i>Lab Method</i>	<i>Sample No.:</i>	EL5001		EL5002	
	<i>Sample Date:</i>	30-NOV-00		30-NOV-00	
	<i>Sample Depth:</i>	0 - 0		0 - 0	
<i>Parameter</i>	<i>Units</i>		<i>Result</i>	<i>Qual</i>	<i>VQual</i>
LEACH-VOCS					

METALS

SW6010B

Aluminum	mg/kg	4340		nv
Antimony	mg/kg	20	J	nv
Arsenic	mg/kg	4.48		nv
Barium	mg/kg	54.5		nv
Beryllium	mg/kg	.138	J	nv
Cadmium	mg/kg	2.22	U	nv
Calcium	mg/kg	8550		nv
Chromium	mg/kg	612		nv
Cobalt	mg/kg	1.73	J	nv
Copper	mg/kg	982		nv
Iron	mg/kg	10300		nv
Lead	mg/kg	14.1		nv
Magnesium	mg/kg	678		nv
Manganese	mg/kg	26		nv
Nickel	mg/kg	15.5		nv
Potassium	mg/kg	9810		nv
Selenium	mg/kg	4.44	U	nv
Silver	mg/kg	986		nv
Sodium	mg/kg	10800		nv
Thallium	mg/kg	8.89	U	nv
Vanadium	mg/kg	2.77	J	nv
Zinc	mg/kg	101		nv

SW7471A

Mercury	mg/kg	.444	U	nv
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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
	<i>Sample No.:</i>	EL5001		EL5002	
	<i>Sample Date:</i>	30-NOV-00		30-NOV-00	
	<i>Sample Depth:</i>	0 - 0		0 - 0	

<i>User Test Group</i>	<i>Lab Method</i>	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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MOISTURE

E160.3_S	% SOLIDS	%	56.6	nv
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OP PESTICIDES

SW8141_S	Azinphosmethyl	ug/kg	58	U	nv
	Bolstar	ug/kg	58	U	nv
	Chlorpyrifos	ug/kg	58	U	nv
	Coumaphos	ug/kg	58	U	nv
	Demeton	ug/kg	180	U	nv
	Diazinon	ug/kg	58	U	nv
	Dichlorvos	ug/kg	58	U	nv
	Dimethoate	ug/kg	58	U	nv
	Disulfoton	ug/kg	58	U	nv
	Ethoprop	ug/kg	58	U	nv
	Famphur	ug/kg	58	U	nv
	Fensulfothion	ug/kg	58	U	nv
	Fenthion	ug/kg	58	U	nv
	Malathion	ug/kg	58	U	nv
	Merphos	ug/kg	58	U	nv
	Methyl Parathion	ug/kg	58	U	nv
	Mevinphos	ug/kg	58	U	nv
	Naled	ug/kg	58	U	nv
	Parathion	ug/kg	58	U	nv
	Phorate	ug/kg	58	U	nv
	Ronnel	ug/kg	58	U	nv
	Stirophos	ug/kg	58	U	nv
	Sulfotep	ug/kg	58	U	nv
	Thionazin	ug/kg	58	U	nv
	Tokuthion	ug/kg	58	U	nv
	Trichloronate	ug/kg	58	U	nv

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	<i>Associated Site:</i>	FTA-166	FTA-166
	<i>Sample No.:</i>	EL5001	EL5002
	<i>Sample Date:</i>	30-NOV-00	30-NOV-00
	<i>Sample Depth:</i>	0 - 0	0 - 0

<i>User Test Group</i>	<i>Lab Method</i>	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
PEST/PCB									
	SW8082	Aroclor 1016	ug/kg	8900	U	nv			
		Aroclor 1221	ug/kg	8900	U	nv			
		Aroclor 1232	ug/kg	8900	U	nv			
		Aroclor 1242	ug/kg	18000	U	nv			
		Aroclor 1248	ug/kg	8900	U	nv			
		Aroclor 1254	ug/kg	8900	U	nv			
		Aroclor 1260	ug/kg	8900	U	nv			

PH

EPA150.1	PH	pH_units	8.52	nv
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SEMIVOLATILES

SW8270C	1,2,4-Trichlorobenzene	ug/kg	15000	U	nv				
	1,2-Dichlorobenzene	ug/kg	15000	U	nv				
	1,3-Dichlorobenzene	ug/kg	15000	U	nv				
	1,4-Dichlorobenzene	ug/kg	15000	U	nv				
	2,4,5-Trichlorophenol	ug/kg	15000	U	nv				
	2,4,6-Trichlorophenol	ug/kg	37000	U	nv				
	2,4-Dichlorophenol	ug/kg	15000	U	nv				
	2,4-Dimethylphenol	ug/kg	15000	U	nv				
	2,4-Dinitrophenol	ug/kg	15000	U	nv				
	2,4-Dinitrotoluene	ug/kg	15000	U	nv				
	2,6-Dinitrotoluene	ug/kg	15000	U	nv				
	2-Chloronaphthalene	ug/kg	15000	U	nv				
	2-Chlorophenol	ug/kg	15000	U	nv				
	2-Methylnaphthalene	ug/kg	15000	U	nv				
	2-Methylphenol	ug/kg	15000	U	nv				
	2-Nitroaniline	ug/kg	37000	U	nv				
	2-Nitrophenol	ug/kg	15000	U	nv				
	3,3-Dichlorobenzidine	ug/kg	37000	U	nv				

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Location Code:</i>	FTA-166-SUMP
<i>Lab Method</i>	<i>Associated Site:</i>	FTA-166	<i>Associated Site:</i>	FTA-166
	<i>Sample No.:</i>	EL5001	<i>Sample No.:</i>	EL5002
	<i>Sample Date:</i>	30-NOV-00	<i>Sample Date:</i>	30-NOV-00
	<i>Sample Depth:</i>	0 - 0	<i>Sample Depth:</i>	0 - 0

ParameterUnitsResult Qual VQualResult Qual VQual**SEMIVOLATILES**

SW8270C

3-Nitroaniline	ug/kg	37000	U	nv
4,6-Dinitro-2-methylphenol	ug/kg	37000	U	nv
4-Bromophenyl phenyl ether	ug/kg	15000	U	nv
4-Chloro-3-methylphenol	ug/kg	15000	U	nv
4-Chloroaniline	ug/kg	15000	U	nv
4-Chlorophenyl phenyl ether	ug/kg	15000	U	nv
4-Methylphenol	ug/kg	15000	U	nv
4-Nitroaniline	ug/kg	15000	U	nv
4-Nitrophenol	ug/kg	37000	U	nv
Acenaphthene	ug/kg	15000	U	nv
Acenaphthylene	ug/kg	15000	U	nv
Anthracene	ug/kg	15000	U	nv
Benzo(a)anthracene	ug/kg	15000	U	nv
Benzo(a)pyrene	ug/kg	15000	U	nv
Benzo(b)fluoranthene	ug/kg	15000	U	nv
Benzo(ghi)perylene	ug/kg	15000	U	nv
Benzo(k)fluoranthene	ug/kg	15000	U	nv
Butyl benzyl phthalate	ug/kg	15000	U	nv
Carbazole	ug/kg	15000	U	nv
Chrysene	ug/kg	15000	U	nv
Di-n-butyl phthalate	ug/kg	15000	U	nv
Di-n-octyl phthalate	ug/kg	15000	U	nv
Dibenz(a,h)anthracene	ug/kg	15000	U	nv
Dibenzofuran	ug/kg	15000	U	nv
Diethyl phthalate	ug/kg	15000	U	nv
Dimethyl phthalate	ug/kg	15000	U	nv
Fluoranthene	ug/kg	12000	J	nv
Fluorene	ug/kg	15000	U	nv
Hexachlorobenzene	ug/kg	15000	U	nv
Hexachlorobutadiene	ug/kg	15000	U	nv
Hexachlorocyclopentadiene	ug/kg	15000	U	nv

Sump Contents (Sludge) Waste Characterization Data
 Sump at the Training Aids Building
 Fort McClellan, Alabama

Report Date: 09/06/01

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
	<i>Sample No.:</i>	EL5001		EL5002	
	<i>Sample Date:</i>	30-NOV-00		30-NOV-00	
	<i>Sample Depth:</i>	0 - 0		0 - 0	

<i>User Test Group</i>	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
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SEMIVOLATILES

SW8270C

Hexachloroethane	ug/kg	15000	U	nv
Indeno(1,2,3-cd)pyrene	ug/kg	15000	U	nv
Isophorone	ug/kg	15000	U	nv
Naphthalene	ug/kg	15000	U	nv
Nitrobenzene	ug/kg	15000	U	nv
Pentachlorophenol	ug/kg	37000	U	nv
Phenanthrene	ug/kg	15000	U	nv
Phenol	ug/kg	15000	U	nv
Pyrene	ug/kg	15000	U	nv
bis(2-Chloroethoxy)methane	ug/kg	15000	U	nv
bis(2-Chloroethyl)ether	ug/kg	15000	U	nv
bis(2-Chloroisopropyl)ether	ug/kg	15000	U	nv
bis(2-Ethylhexyl)phthalate	ug/kg	81000		nv
n-Nitroso-di-n-propylamine	ug/kg	15000	U	nv
n-Nitrosodiphenylamine	ug/kg	15000	U	nv

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	ug/kg	38	U	nv
1,1,1-Trichloroethane	ug/kg	38	U	nv
1,1,2,2-Tetrachloroethane	ug/kg	38	U	nv
1,1,2-Trichloroethane	ug/kg	38	U	nv
1,1-Dichloroethane	ug/kg	38	U	nv
1,1-Dichloroethene	ug/kg	38	U	nv
1,1-Dichloropropene	ug/kg	38	U	nv
1,2,3-Trichlorobenzene	ug/kg	38	U	nv
1,2,3-Trichloropropane	ug/kg	38	U	nv
1,2,4-Trichlorobenzene	ug/kg	38	U	nv
1,2,4-Trimethylbenzene	ug/kg	38	U	nv
1,2-Dibromo-3-Chloropropane	ug/kg	76	U	nv
1,2-Dibromoethane	ug/kg	38	U	nv

Sump Contents (Sludge) Waste Characterization Data
 Sump at the Training Aids Building
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User Test Group Lab Method	Location Code:	FTA-166-SUMP	FTA-166-SUMP
	Associated Site:	FTA-166	FTA-166
	Sample No:	EL5001	EL5002
	Sample Date:	30-NOV-00	30-NOV-00
	Sample Depth:	0 - 0	0 - 0
Parameter	Units	Result Qual VQual	Result Qual VQual
VOLATILES			
SW8260B			
1,2-Dichlorobenzene	ug/kg	38 U nv	
1,2-Dichloroethane	ug/kg	38 U nv	
1,2-Dichloropropane	ug/kg	38 U nv	
1,2-Dimethylbenzene	ug/kg	11 J nv	
1,3,5-Trimethylbenzene	ug/kg	38 U nv	
1,3-Dichlorobenzene	ug/kg	38 U nv	
1,3-Dichloropropane	ug/kg	38 U nv	
1,4-Dichlorobenzene	ug/kg	38 U nv	
2-Butanone	ug/kg	3800 J nv	
2-Hexanone	ug/kg	150 U nv	
4-Methyl-2-pentanone	ug/kg	150 nv	
Acetone	ug/kg	11000 nv	
Benzene	ug/kg	38 U nv	
Bromobenzene	ug/kg	38 U nv	
Bromochloromethane	ug/kg	38 U nv	
Bromodichloromethane	ug/kg	38 U nv	
Bromoform	ug/kg	38 U nv	
Bromomethane	ug/kg	38 U nv	
Carbon disulfide	ug/kg	620 nv	
Carbon tetrachloride	ug/kg	38 U nv	
Chlorobenzene	ug/kg	38 U nv	
Chloroethane	ug/kg	38 U nv	
Chloroform	ug/kg	38 U nv	
Chloromethane	ug/kg	38 U nv	
Cumene	ug/kg	270 nv	
Dibromochloromethane	ug/kg	38 U nv	
Dibromomethane	ug/kg	38 U nv	
Dichlorodifluoromethane	ug/kg	38 U nv	
Ethylbenzene	ug/kg	10 J nv	
Hexachlorobutadiene	ug/kg	38 U nv	
Methylene chloride	ug/kg	38 U nv	

Sump Contents (Sludge) Waste Characterization Data

Sump at the Training Aids Building

Fort McClellan, Alabama

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<i>User Test Group</i>	<i>Location Code:</i>	FTA-166-SUMP	<i>Associated Site:</i>	FTA-166	FTA-166-SUMP
<i>Lab Method</i>	<i>Sample No:</i>	EL5001		EL5002	
	<i>Sample Date:</i>	30-NOV-00		30-NOV-00	
	<i>Sample Depth:</i>	0 - 0		0 - 0	
	<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>

VOLATILES

SW8260B

Naphthalene	ug/kg	38	U	nv
Styrene	ug/kg	38	U	nv
Tetrachloroethene	ug/kg	38	U	nv
Toluene	ug/kg	1300		nv
Trichloroethene	ug/kg	38	U	nv
Trichlorofluoromethane	ug/kg	38	U	nv
Vinyl chloride	ug/kg	38	U	nv
cis-1,2-Dichloroethene	ug/kg	38	U	nv
cis-1,3-Dichloropropene	ug/kg	38	U	nv
m,p-Xylenes	ug/kg	43	J	nv
n-Butylbenzene	ug/kg	38	U	nv
n-Propylbenzene	ug/kg	38	U	nv
o-Chlorotoluene	ug/kg	38	U	nv
p-Chlorotoluene	ug/kg	38	U	nv
p-Cymene	ug/kg	2000		nv
sec-Butylbenzene	ug/kg	38	U	nv
sec-Dichloropropane	ug/kg	38	U	nv
tert-Butylbenzene	ug/kg	38	U	nv
trans-1,2-Dichloroethene	ug/kg	38	U	nv
trans-1,3-Dichloropropene	ug/kg	38	U	nv

WET_CHEM

SW1010

Flashpoint	C	60	>	nv
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SW7.3.3

REACTIVE CYANIDE	mg/kg	84.4	U	nv
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SW7.3.4

Reactive Sulfide	mg/kg	84.4	U	nv
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