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DATA VALIDATION COPY

EPA SAMPLE NO.

5202W2

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____
 Matrix: (soil/water) GROUNDH2O SDG No.: 69167W
 Sample wt/vol: 500 (g/mL) mL Lab Sample ID: 9609167-01
 Level: (low/med) LOW Lab File ID: 5L308
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 09/10/96
 Concentrated Extract Volume: 0.5 (mL) Date Extracted: 09/13/96
 Injection Volume: 1.0 (uL) Date Analyzed: 09/19/96
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

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

Q

CAS NO.	COMPOUND		
91-20-3	-----naphthalene	10.0	U
91-58-7	-----2-chloronaphthalene	10.0	U
208-96-8	-----acenaphthylene	10.0	U
83-32-9	-----acenaphthene	10.0	U
86-73-7	-----fluorene	10.0	U
85-01-8	-----phenanthrene	10.0	U
120-12-7	-----anthracene	10.0	U
206-44-0	-----fluoranthene	10.0	U
129-00-0	-----pyrene	10.0	U
56-55-3	-----benzo (a) anthracene	10.0	U
218-01-9	-----chrysene	10.0	U
205-99-2	-----benzo (b) fluoranthene	10.0	U
207-08-9	-----benzo (k) fluoranthene	10.0	U
50-32-8	-----benzo (a) pyrene	10.0	U
193-39-5	-----indeno (1,2,3-cd) pyrene	10.0	U
53-70-3	-----dibenz (a,h) anthracene	10.0	U
191-24-2	-----benzo (g,h,i) perylene	10.0	U

3/90

FORM I SV-1

35

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5202W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER Lab Sample ID: 9609177-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A108

Level: (low/med) LOW Date Received: 09/11/96

% Moisture: not dec. _____ Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

DATA VALIDATION
COPY

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

75-35-4-----	1,1-dichloroethene	5.0 U	
79-01-6-----	trichloroethene	5.0 U	
71-43-2-----	benzene	5.0 U	
108-88-3-----	toluene	5.0 U	
108-90-7-----	chlorobenzene	5.0 U	
100-41-4-----	ethylbenzene	5.0 U	
1330-20-7-----	xylene (total)	5.0 U	

TEX ONLY

5 0.23 JB

MAP 12/1/95

U U F01, F02

ATA VALIDATION
COPY1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201W2

b Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69167W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609167-11

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 5L318

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/13/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/LPATH ONLY
Q

121-14-2-----	2,4-dinitrotoluene	10.0	U
106-46-7-----	1,4-dichlorobenzene	10.0	U
621-64-7-----	N-nitroso-di-n-propylamine	10.0	U
120-82-1-----	1,2,4-trichlorobenzene	10.0	U
91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
208-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo(a)anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo(b)fluoranthene	10.0	U
207-08-9-----	benzo(k)fluoranthene	10.0	U
50-32-8-----	benzo(a)pyrene	10.0	U
193-39-5-----	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----	dibenz(a,h)anthracene	10.0	U
191-24-2-----	benzo(g,h,i)perylene	10.0	U

W 602

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER

Lab Sample ID: 9609177-03

Sample wt/vol: 20 (g/ml) ml

Lab File ID: 1A117

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec.

DATA VALIDATION
COPY

Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

71-43-2-----	benzene	5.0	U	
108-88-3-----	toluene	5 0.24	JB	U
100-41-4-----	ethylbenzene	5.0	U	U
1330-20-7-----	xylene (total)	5.0	U	U

imp 12/19/96

FORM I VOA

OLM03.0

CHAIN OF CUSTODY RECORD

600 Oak
Arroyo, Oak Ridge, TN 37837 (423) 481-4000[illegible]

CHAIN OF CUSTODY RECORD

COC NO.: G00036

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL					
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Chris Potter														PHONE NO.: (803) 556-8171					
Sampler (Signature)														OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID				Date Collected		Time Collected		Matrix		PAH, Lead, DRO		PAH, TPH		PAH, DRO		TPH		No. of Bottles/Vials	
TB00016				9/8/96		0715		WATER		2		2		2		2		2	
1404W2				9/8/96		0905		WATER		2		2		2		2		2	
5201W2				9/8/96		1600		WATER		2		2		2		2		2	
1404RS				9/8/96		0825		WATER		2		2		2		2		2	
4701W2				9/8/96		1440		WATER		2		2		2		2		2	
4401W2				9/8/96		1805		WATER		2		2		2		2		2	
TB00014				9/8/96		0715		WATER		2		2		2		2		2	
4502W2				9/8/96		1440		WATER		2		2		2		2		2	
1403W2				9/8/96		1210		WATER		2		2		2		2		2	
1503W2				9/8/96		1025		WATER		2		2		2		2		2	
4501W2				9/8/96		1600		WATER		2		2		2		2		2	
4402W2				9/8/96		1225		WATER		2		2		2		2		2	
4303W2				9/8/96		0915		WATER		2		2		2		2		2	
RELINQUISHED BY: <i>[Signature]</i>				Date/Time 9/14/96		RECEIVED BY: <i>[Signature]</i>		Date/Time 9/14/96		PAH, Lead, DRO		PAH, TPH		PAH, DRO		TPH		No. of Bottles/Vials	
COMPANY NAME: SAIC				1540		COMPANY NAME: BIO-LOGICS		1540		2		2		2		2		2	
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>[Signature]</i>		Date/Time 9/10/96		PAH, Lead, DRO		PAH, TPH		PAH, DRO		TPH		No. of Bottles/Vials	
COMPANY NAME:						COMPANY NAME: BIO-LOGICS		1815		2		2		2		2		2	
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>[Signature]</i>		Date/Time 9-10-96		PAH, Lead, DRO		PAH, TPH		PAH, DRO		TPH		No. of Bottles/Vials	
COMPANY NAME:						COMPANY NAME: BIO-LOGICS				2		2		2		2		2	

CHAIN OF CUSTODY RECORD

COC NO.: G10024

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sampler (Signature) <i>Sharon Stoller</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID				Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LBT, TPH	PAH, BPC	TPH	No. of Bottles/Vials	OVA SCREENING
5202W2	9/8/96	1655	WATER						2							2	not recorded
1403W2	9/8/96	1210	WATER						2	1						3	0 ppm
4501W2	9/8/96	1600	WATER						2							2	0 ppm
4502W2	9/8/96	1440	WATER						2							2	0 ppm
5301W2	9/8/96	0915	WATER						2							2	0 ppm
SIS 9/10/96																	
RELINQUISHED BY: <i>Chris Potter</i>				Date/Time 9/10/96	RECEIVED BY: <i>Chris Potter</i>				Date/Time 9/10/96	TOTAL NUMBER OF CONTAINERS: 11				Cooler Temperature:			
COMPANY NAME: SAIC				1540	COMPANY NAME: SAIC				1545	Cooler ID: #180							
RECEIVED BY:				Date/Time	RELINQUISHED BY: <i>Chris Potter</i>				Date/Time 9/10/96								
COMPANY NAME:					COMPANY NAME: <i>Chris Potter</i>				1815								
RELINQUISHED BY:				Date/Time	RECEIVED BY: <i>Chris Potter</i>				Date/Time 9-10-96								
COMPANY NAME:					COMPANY NAME: <i>Chris Potter</i>				1815								



800 Oak Ridge Turnpike, Oak Ridge, TN 37821 143N 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 676623

PROJECT NAME: Fort Stewart UST Sites			REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003													LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter													PHONE NO: (803) 558-8171			
Sample (Signature) <i>Sharon Stoller</i>			(Printed Name) SHARON STOLLER										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, DRO	PAH, DRO	PAH, DRO	TPH	No. of Bottles/Mats	OVA SCREENING	
5201W2	9/18/96	1600	WATER				3							3	0 ppm	
4702W2	9/18/96	1315	WATER				2	1						3	0 ppm	
4701W2	9/18/96	1440	WATER				2	1						3	0 ppm	
0603W2	9/19/96	1345	WATER				3	1						4	0 ppm	
0604W2	9/19/96	1740	WATER				1	1						1	18.5 ppm	
55 9/18/96																
RELINQUISHED BY: <i>Sharon Stoller</i>			Date/Time 9/18/96			RECEIVED BY: <i>B. L. Whelan</i>			Date/Time 9/10/96			TOTAL NUMBER OF CONTAINERS: 14			Cooler Temperature:	
COMPANY NAME: SAIC			1545			COMPANY NAME: <i>SAIC</i>			1548			Cooler ID: #228				
RECEIVED BY:			Date/Time			RELINQUISHED BY: <i>SAIC</i>			Date/Time 9/10/96			sample 4702W2 not in cooler 9/19/96				
COMPANY NAME:						COMPANY NAME: <i>SAIC</i>			1815							
RELINQUISHED BY:			Date/Time			RECEIVED BY: <i>SAIC</i>			Date/Time 9-10-96							
COMPANY NAME:						COMPANY NAME: <i>SAIC</i>			181							

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 5202C1
Lab I.D.: 9609179-01
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons	B	24.9	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
Evaporative Loss	UF01, F07	14	%			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5202C1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-01
Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1L408
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

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

91-20-3-----	naphthalene	387	U
91-58-7-----	2-chloronaphthalene	387	U
209-96-8-----	acenaphthylene	387	U
83-32-9-----	acenaphthene	387	U
86-73-7-----	fluorene	387	U
85-01-8-----	phenanthrene	387	U
120-12-7-----	anthracene	387	U
206-44-0-----	fluoranthene	387	U
129-00-0-----	pyrene	387	U
56-55-3-----	benzo (a) anthracene	387	U
218-01-9-----	chrysene	387	U
205-99-2-----	benzo (b) fluoranthene	387	U
207-08-9-----	benzo (k) fluoranthene	387	U
50-32-8-----	benzo (a) pyrene	387	U
193-39-5-----	indeno (1,2,3-cd) pyrene	387	U
53-70-3-----	dibenz (a,h) anthracene	387	U
191-24-2-----	benzo (g,h,i) perylene	387	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5202C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z43

% Moisture: 14 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.8	U	u ↓
108-88-3-----Toluene	5.8	U	
100-41-4-----Ethylbenzene	5.8	U	
1330-20-7-----Xylenes (total)	5.8	U	

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.:	5202A1
Lab I.D.:	9609179-09
Sample Matrix:	Soil
Date Collected:	09/08/96
Date Received:	09/10/96
Priority:	Routine
Collected by:	Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons	JB UFD1, FDL	9.09	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
Evaporative Loss		18	%			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5202A1

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-09

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1L416

Level: (low/med) LOW Date Received: 09/10/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 09/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	401	U
91-58-7-----	2-chloronaphthalene	401	U
209-96-8-----	acenaphthylene	401	U
83-32-9-----	acenaphthene	401	U
86-73-7-----	fluorene	401	U
85-01-8-----	phenanthrene	401	U
120-12-7-----	anthracene	401	U
206-44-0-----	fluoranthene	401	U
129-00-0-----	pyrene	401	U
56-55-3-----	benzo(a)anthracene	401	U
218-01-9-----	chrysene	401	U
205-99-2-----	benzo(b)fluoranthene	401	U
207-08-9-----	benzo(k)fluoranthene	401	U
50-32-8-----	benzo(a)pyrene	401	U
193-39-5-----	indeno(1,2,3-cd)pyrene	401	U
53-70-3-----	dibenz(a,h)anthracene	401	U
191-24-2-----	benzo(g,h,i)perylene	401	U

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1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5202A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-09

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z414

% Moisture: 18 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.1	U	
108-88-3-----Toluene	6.1	U	
100-41-4-----Ethylbenzene	6.1	U	
1330-20-7-----Xylenes (total)	6.1	U	

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 5201C1
Lab I.D.: 9609179-11
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons	B	29	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
Evaporative Loss		14	%			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201C1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-11
Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1L418
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 14 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
91-20-3	-----naphthalene	379	U	u ↓
91-58-7	-----2-chloronaphthalene	379	U	
209-96-8	-----acenaphthylene	379	U	
83-32-9	-----acenaphthene	379	U	
86-73-7	-----fluorene	379	U	
85-01-8	-----phenanthrene	379	U	
120-12-7	-----anthracene	379	U	
206-44-0	-----fluoranthene	379	U	
129-00-0	-----pyrene	379	U	
56-55-3	-----benzo (a) anthracene	379	U	
218-01-9	-----chrysene	379	U	
205-99-2	-----benzo (b) fluoranthene	379	U	
207-08-9	-----benzo (k) fluoranthene	379	U	
50-32-8	-----benzo (a) pyrene	379	U	
193-39-5	-----indeno (1,2,3-cd) pyrene	379	U	
53-70-3	-----dibenz (a,h) anthracene	379	U	
191-24-2	-----benzo (g,h,i) perylene	379	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z416

% Moisture: 14 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.8	U	
108-88-3-----Toluene	5.8	U	
100-41-4-----Ethylbenzene	5.8	U	
1330-20-7-----Xylenes (total)	5.8	U	

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Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 5201A1
Lab I.D.: 9609179-04
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons	B U F01, F07	15.9	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
Evaporative Loss		20	%			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201A1

Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-04
Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1L411
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 20 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

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

91-20-3-----	naphthalene	414	U
91-58-7-----	2-chloronaphthalene	414	U
209-96-8-----	acenaphthylene	414	U
83-32-9-----	acenaphthene	414	U
86-73-7-----	fluorene	414	U
85-01-8-----	phenanthrene	414	U
120-12-7-----	anthracene	414	U
206-44-0-----	fluoranthene	414	U
129-00-0-----	pyrene	414	U
56-55-3-----	benzo(a)anthracene	414	U
218-01-9-----	chrysene	414	U
205-99-2-----	benzo(b)fluoranthene	414	U
207-08-9-----	benzo(k)fluoranthene	414	U
50-32-8-----	benzo(a)pyrene	414	U
193-39-5-----	indeno(1,2,3-cd)pyrene	414	U
53-70-3-----	dibenz(a,h)anthracene	414	U
191-24-2-----	benzo(g,h,i)perylene	414	U

U
↓

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5201A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z49

% Moisture: 20 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.2	U	4 ↓
108-88-3-----Toluene	6.2	U	
100-41-4-----Ethylbenzene	6.2	U	
1330-20-7-----Xylenes (total)	6.2	U	

CHAIN OF CUSTODY RECORD

COC NO.: G166333

PROJECT NAME: Fort Stewart UST Sites										REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter																				PHONE NO: (803) 558-8171	
Sample (Signature) <i>SL 15th</i>										(Printed Name) Simone Stover										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING						
5703B1	9/9/96	1053	SOIL	1	1	1	1	1	1	1	1	1	1	2	0 ppm						
0303A1	9/8/96	0900	SOIL	1	1	1	1	1	1	1	1	1	1	2	817 ppm						
0303B1	9/8/96	0900	SOIL	1	1	1	1	1	1	1	1	1	1	2	401 ppm						
4402B1	9/8/96	1100	SOIL	1	1	1	1	1	1	1	1	1	1	2	25.3 ppm						
4402D1	9/8/96	1120	SOIL	1	1	1	1	1	1	1	1	1	1	2	24.6 ppm						
4702B1	9/8/96	1245	SOIL	1	1	1	1	1	1	1	1	1	1	2	0 ppm						
4702D1	9/8/96	1255	SOIL	1	1	1	1	1	1	1	1	1	1	2	0 ppm						
5201A1	9/8/96	1540	SOIL	1	1	1	1	1	1	1	1	1	1	2	0 ppm						
4701C1	9/8/96	1430	SOIL	1	1	1	1	1	1	1	1	1	1	2	23.8 ppm						
4701B1	9/8/96	1425	SOIL	1	1	1	1	1	1	1	1	1	1	2	45 ppm						
5201C1	9/8/96	1545	SOIL	1	1	1	1	1	1	1	1	1	1	2	0 ppm						
				515	11/16/96																
RELINQUISHED BY: <i>SL 15th</i>				Date/Time 9/14/96	RECEIVED BY: <i>SL 15th</i>				Date/Time 9/10/96	TOTAL NUMBER OF CONTAINERS: 48				Cooler Temperature:							
COMPANY NAME: SAC				1540	COMPANY NAME: <i>SL 15th</i>				1540	Cooler ID: #133											
RECEIVED BY:				Date/Time	RELINQUISHED BY:				Date/Time												
COMPANY NAME:					COMPANY NAME:				9/10/96												
RELINQUISHED BY:				Date/Time	RECEIVED BY:				Date/Time												
COMPANY NAME:					COMPANY NAME:				9-10-96												



CHAIN OF CUSTODY RECORD

COC NO.: 610024

[illegible]

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5102W2RE0

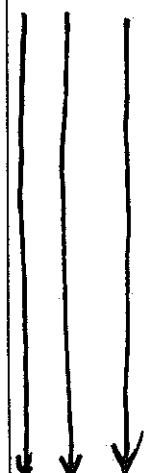
Name: GENERAL ENGINEERING LABOR Contract:
Lab Code: Case No.: SAS No.: SDG No.: 69348W
Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-13
Sample wt/vol: 500 (g/mL) mL Lab File ID: 80409
Level: (low/med) LOW Date Received: 09/18/96
% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 10/01/96
Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 10/10/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

USE

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

91-20-3	-----naphthalene	10.0	U
91-58-7	-----2-chloronaphthalene	10.0	U
209-96-8	-----acenaphthylene	10.0	U
83-32-9	-----acenaphthene	10.0	U
86-73-7	-----fluorene	10.0	U
85-01-8	-----phenanthrene	10.0	U
120-12-7	-----anthracene	10.0	U
206-44-0	-----fluoranthene	10.0	U
129-00-0	-----pyrene	10.0	U
56-55-3	-----benzo(a)anthracene	10.0	U
218-01-9	-----chrysene	10.0	U
205-99-2	-----benzo(b)fluoranthene	10.0	U
207-08-9	-----benzo(k)fluoranthene	10.0	U
50-32-8	-----benzo(a)pyrene	10.0	U
193-39-5	-----indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	-----dibenz(a,h)anthracene	10.0	U
191-24-2	-----benzo(g,h,i)perylene	10.0	U

US ARI, G02



DATA VALIDATION

COPY

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5102W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69351W

Matrix: (soil/water) WATER Lab Sample ID: 9609351-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B515

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/27/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U	U
108-88-3-----toluene	5 0.19	JB	UF, FOC
100-41-4-----ethylbenzene	5.0	U	U
1330-20-7-----xylenes (total)	5.0	U	U

FORM I VOA

MAF
1/2/97

OLM03.

022

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5101W2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69348W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4M718

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/21/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/29/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

use

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

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

U
↓

DATA ALERT 5A

1A
COPY VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5101W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69351W

Matrix: (soil/water) WATER

Lab Sample ID: 9609351-14

Sample wt/vol: 20 (g/ml) ml

Lab File ID: 1B518

Level: (low/med) LOW

Date Received: 09/18/96

% Moisture: not dec. _____

Date Analyzed: 09/27/96

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

71-43-2-----	benzene	5.0	U
108-88-3-----	toluene	5.0	U
100-41-4-----	ethylbenzene	5.0	U
1330-20-7-----	xylene (total)	5.0	U

FORM I VOA

OLM03.

025

CHAIN OF CUSTODY RECORD

COC NO.: 644610

PROJECT NAME: Fort Stewart UST Sites				LABORATORY NAME: GEL													
PROJECT NUMBER: 0003				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417													
PROJECT MANAGER: Chris Potter				PHONE NO: (803) 556-8171													
Sampler (Signature) <i>Sharon Stoller</i>				(Printed Name) Sharon Stoller				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS									
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	TPH	No. of Bottles/Vials	OVA SCREENING			
S0601W2	9/17/96	1352	WATER	2									2	Ø ppm	9609351-10		
S1062W2	9/17/96	1226	WATER	2									2	Ø ppm	9609351-11		
S1422W2	9/17/96	1115	WATER	2									2	N/A	9609351-12		
S0602W2	9/17/96	0935	WATER	2									2	Ø ppm	9609351-13		
S101W2	9/17/96	1436	WATER	2									2	Ø ppm	9609351-14		
TB00033	9/17/96	0736	WATER	2									2	N/A	9609351-15		
4803W2	9/17/96	1410	WATER	2									2	6.4 ppm	9609351-16		
4804R5	9/17/96	1506	WATER	2									2	N/A	9609351-17		
4804W2	9/17/96	1556	WATER	2									2	Ø ppm	9609351-17		
2601W2	9/17/96	1055	WATER	2									2	6.1 ppm	9609351-18		
SLS 9/18/96																	
RELINQUISHED BY: <i>Sharon Stoller</i>				RECEIVED BY: <i>B. Lockhart</i>				Date/Time: 9/18/96				TOTAL NUMBER OF CONTAINERS: 48				Cooler Temperature:	
COMPANY NAME: SAIC				COMPANY NAME: GEC				Date/Time: 1325				Cooler ID: #228					
RECEIVED BY:				RELINQUISHED BY: <i>B. Lockhart</i>				Date/Time: 7/18/96									
COMPANY NAME:				COMPANY NAME: GEC				Date/Time: 1800									
RELINQUISHED BY:				RECEIVED BY: <i>Sharon Stoller</i>				Date/Time: 1815									
COMPANY NAME:				COMPANY NAME: GEC				Date/Time: 09-18-96									

7
9



COC NO.: G0057

[illegible]

[illegible]

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 30, 1996

Page 1 of 2

Sample ID : 5102C1
Lab ID : 9609353-06
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

VALIDATION

Parameter	Qualifier	Result	QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		15.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1730	91147	1
General Chemistry												
Total Rec. Petro. Hydrocarbons		26.1	=	7.98	11.8	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.



9609353-06

0196

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5102C1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1M430

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: 15 decanted: (Y/N) N Date Extracted: 09/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	Q
91-20-3	-----naphthalene	384 U
91-58-7	-----2-chloronaphthalene	384 U
209-96-8	-----acenaphthylene	384 U
83-32-9	-----acenaphthene	384 U
86-73-7	-----fluorene	384 U
85-01-8	-----phenanthrene	384 U
120-12-7	-----anthracene	384 U
206-44-0	-----fluoranthene	384 U
129-00-0	-----pyrene	384 U
56-55-3	-----benzo (a) anthracene	384 U
218-01-9	-----chrysene	384 U
205-99-2	-----benzo (b) fluoranthene	384 U
207-08-9	-----benzo (k) fluoranthene	384 U
50-32-8	-----benzo (a) pyrene	384 U
193-39-5	-----indeno (1,2,3-cd) pyrene	384 U
53-70-3	-----dibenz (a,h) anthracene	384 U
191-24-2	-----benzo (g,h,i) perylene	384 U

DATA VALIDATION
COPY

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5102C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1B419

% Moisture: 15 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.9	U
108-88-3-----Toluene	5.9	U
100-41-4-----Ethylbenzene	5.9	U
1330-20-7-----Xylenes (total)	5.9	U

0021

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 30, 1996

Page 1 of 2

Sample ID : 5101C1
Lab ID : 9609353-05
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VALIDATION QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
aporative Loss @ 105 C		13.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1730	91147	1
eral Chemistry												
total Rec. Petro. Hydrocarbons		26.9	=	7.77	11.5	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.



9609353-05

0195

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5101C1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-05

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 1M429

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	384	U
91-58-7-----	2-chloronaphthalene	384	U
209-96-8-----	acenaphthylene	384	U
83-32-9-----	acenaphthene	384	U
86-73-7-----	fluorene	384	U
85-01-8-----	phenanthrene	384	U
120-12-7-----	anthracene	384	U
206-44-0-----	fluoranthene	384	U
129-00-0-----	pyrene	384	U
56-55-3-----	benzo(a)anthracene	384	U
218-01-9-----	chrysene	384	U
205-99-2-----	benzo(b)fluoranthene	384	U
207-08-9-----	benzo(k)fluoranthene	384	U
50-32-8-----	benzo(a)pyrene	384	U
193-39-5-----	indeno(1,2,3-cd)pyrene	384	U
53-70-3-----	dibenz(a,h)anthracene	384	U
191-24-2-----	benzo(g,h,i)perylene	384	U

DATA VALIDATION

1D

EPA SAMPLE NO.

COPY

VOLATILE ORGANICS ANALYSIS DATA SHEET

5101C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: 69353S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609353-05

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1B418

% Moisture: 13 decanted: (Y/N) N

Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/26/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Q

71-43-2-----Benzene	5.7	U	U ↓
108-88-3-----Toluene	5.7	U	
100-41-4-----Ethylbenzene	5.7	U	
1330-20-7-----Xylenes (total)	5.7	U	

0020



SAIL
Science Application International Corporation
An Employee-Owned Company

200 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4500

Page 1 of 2

CHAIN OF CUSTODY RECORD

COC NO.: G6058

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL					
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171					
Sampler (Signature) <i>Shirley</i>				(Printed Name) SHIRLEY STALLER														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	TPH	No. of Bottles/Vials	DVA SCREENING					
2303B1	9/17/96	1200	SOIL										2	33.4 ppm	9609352-01				
2303A1	9/17/96	1300	SOIL										2	41.6 ppm	9609353-01				
2301B1	9/17/96	1415	SOIL										2	0 ppm	9609353-02				
2302A1	9/17/96	1610	SOIL										2	216.4 ppm	9609353-03				
2302B1	9/17/96	1610	SOIL										2	29 ppm	9609352-02				
3804D1	9/17/96	1735	SOIL										2	0 ppm	9609353-12				
3804B1	9/17/96	1730	SOIL										2	0 ppm	9609352-08				
3502B1	9/17/96	1600	SOIL										2	0 ppm	9609353-04				
3502A1	9/17/96	1557	SOIL										2	0 ppm	9609352-03				
5101C1	9/17/96	1415	SOIL										2	0 ppm	9609353-05				
5102C1	9/17/96	1217	SOIL										2	0 ppm	9609353-06				
5001C1	9/17/96	1035	SOIL										2	0 ppm	9609353-07				
5002D1	9/17/96	0915	SOIL										2	3 ppm	9609353-08				
RELINQUISHED BY: <i>Shirley</i>				Date/Time 9/18/96		RECEIVED BY: <i>B. L. L. L.</i>		Date/Time 9/18/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #24		Cooler Temperature: 30					
COMPANY NAME: SAIL				1325		COMPANY NAME: GEC		1330											
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>B. L. L. L.</i>		Date/Time 9/18/96											
COMPANY NAME:						COMPANY NAME: GEC		1815											
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>B. L. L. L.</i>		Date/Time 09-18-96											
COMPANY NAME:						COMPANY NAME: GEC													

8.9.9.9.9.8.10.11.9.8.9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5002W2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69348W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4M720

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/21/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/29/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

U
↓

DATA VALIDATION

COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5002W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69351W

Matrix: (soil/water) WATER Lab Sample ID: 9609351-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B517

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/27/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U	U
108-88-3-----toluene	5 -0.32	JB	UF, F06
100-41-4-----ethylbenzene	0.34	J	J
1330-20-7-----xylenes (total)	0.69	J	J

FORM I VOA

MAP
1/2/97

OLM03

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5001W2

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 69348W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4M721

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/21/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/30/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo(a)anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo(b)fluoranthene	10.0	U
207-08-9-----	benzo(k)fluoranthene	10.0	U
50-32-8-----	benzo(a)pyrene	10.0	U
193-39-5-----	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----	dibenz(a,h)anthracene	10.0	U
191-24-2-----	benzo(g,h,i)perylene	10.0	U

0
↓

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5001W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69351W

Matrix: (soil/water) WATER Lab Sample ID: 9609351-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B514

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/27/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0	U
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

FORM I VOA

OLM03.0

021

CHAIN OF CUSTODY RECORD

COC NO.: 64461

04

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Chris Potter</i>				(Printed Name) Chris Potter										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, TPH	PAH, TPH	TPH	No. of Bottles/Vials	OVA SCREENING	
S0601W2	9/17/96	1052	WATER		2								2	Ø ppm	9609351-10
S1022W2	9/17/96	1220	WATER		2								2	Ø ppm	9609351-11
S1022R2	9/17/96	1115	WATER		2								2	N/A	9609351-12
S0602W2	9/17/96	0935	WATER		2								2	Ø ppm	9609351-13
S1011W2	9/17/96	1430	WATER		2								2	Ø ppm	9609351-14
TB00433	9/17/96	0730	WATER		2								2	N/A	9609351-15
48033W2	9/17/96	1410	WATER		2								2	6.4 ppm	9609351-16
48042R5	9/17/96	1500	WATER	2									2	N/A	9609351-17
48041W2	9/17/96	1550	WATER	2									2	Ø ppm	9609351-17
2601W2	9/17/96	1055	WATER		2								2	6.1 ppm	9609351-18
SLS 9/18/96															
RELINQUISHED BY: <i>Chris Potter</i>				RECEIVED BY: <i>Chris Potter</i>		Date/Time 9/18/96		Date/Time 1325		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #228		Cooler Temperature:	
COMPANY NAME: SAIC				COMPANY NAME: GEC											
RECEIVED BY:				RELINQUISHED BY: <i>Chris Potter</i>		Date/Time 9/18/96		Date/Time 1800							
COMPANY NAME:				COMPANY NAME: GEC											
RELINQUISHED BY:				RECEIVED BY: <i>Chris Potter</i>		Date/Time 9/18/96		Date/Time 1815							
COMPANY NAME:				COMPANY NAME: GEC											

7.7
6.7
6.4
6.1

CHAIN OF CUSTODY RECORD

COC NO.: 60057

[illegible]

[illegible]

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 30, 1996

Page 1 of 2

Sample ID : 5002D1
Lab ID : 9609353-08
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VALIDATION QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		13.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1730	91147	1
General Chemistry												
Total Rec. Petro. Hydrocarbons		23.9	=	7.77	11.5	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.



9609353-08

0197

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5002D1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-08

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1M432

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/Kg	
91-20-3	-----naphthalene	383	U	U ↓
91-58-7	-----2-chloronaphthalene	383	U	
209-96-8	-----acenaphthylene	383	U	
83-32-9	-----acenaphthene	383	U	
86-73-7	-----fluorene	383	U	
85-01-8	-----phenanthrene	383	U	
120-12-7	-----anthracene	383	U	
206-44-0	-----fluoranthene	383	U	
129-00-0	-----pyrene	383	U	
56-55-3	-----benzo (a) anthracene	383	U	
218-01-9	-----chrysene	383	U	
205-99-2	-----benzo (b) fluoranthene	383	U	
207-08-9	-----benzo (k) fluoranthene	383	U	
50-32-8	-----benzo (a) pyrene	383	U	
193-39-5	-----indeno (1,2,3-cd) pyrene	383	U	
53-70-3	-----dibenz (a,h) anthracene	383	U	
191-24-2	-----benzo (g,h,i) perylene	383	U	

DATA VALIDATION

1D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

5002D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-08

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1B421

% Moisture: 13 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/96

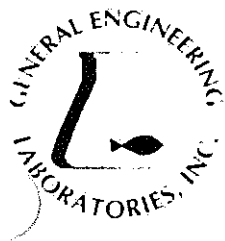
Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U	U ↓
108-88-3-----Toluene	5.7	U	
100-41-4-----Ethylbenzene	5.7	U	
1330-20-7-----Xylenes (total)	5.7	U	

0023



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with tomorrow's technology

DATA VALIDATION
COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 28, 1996

Page 1 of 2

Sample ID : 5002B1
Lab ID : 9609352-05
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

VALIDATION

Parameter	Qualifier	Result	QUALIFIER	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		17.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1630	91145	1
General Chemistry												
Al Rec. Petro. Hydrocarbons	U	3.68	U	8.11	12.0	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

161

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414

(803) 556-8171 • Fax (803) 766-1178



9609352-05

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5002B1

Lab Name: Contract: Lab Sample ID: 9609352-05
Lab Code: Case No.: SAS No.: SDG No.: 69352S
Matrix: (soil/water) SOIL Lab File ID: 4M518
Sample wt/vol: 30.0 (g/mL) g Date Received: 09/18/96
Level: (low/med) LOW Date Extracted: 09/23/96
% Moisture: 17 decanted: (Y/N) N Date Analyzed: 09/27/96
Concentrated Extract Volume: 1 (mL) Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
91-20-3	-----naphthalene	402	U	U ↓ UJ poz U ↓
91-58-7	-----2-chloronaphthalene	402	U	
209-96-8	-----acenaphthylene	402	U	
83-32-9	-----acenaphthene	402	U	
86-73-7	-----fluorene	402	U	
85-01-8	-----phenanthrene	402	U	
120-12-7	-----anthracene	402	U	
206-44-0	-----fluoranthene	402	U	
129-00-0	-----pyrene	402	U	
56-55-3	-----benzo(a)anthracene	402	U	
218-01-9	-----chrysene	402	U	
205-99-2	-----benzo(b)fluoranthene	402	U	
207-08-9	-----benzo(k)fluoranthene	402	U	
50-32-8	-----benzo(a)pyrene	402	U	
193-39-5	-----indeno(1,2,3-cd)pyrene	402	U	
53-70-3	-----dibenz(a,h)anthracene	402	U	
191-24-2	-----benzo(g,h,i)perylene	402	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5002B1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69352S

Matrix: (soil/water) SOIL Lab Sample ID: 9609352-05

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2B418

% Moisture: 17 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.0	U	U
108-88-3-----Toluene	7.8		=
100-41-4-----Ethylbenzene	6.0	U	U
1330-20-7-----Xylenes (total)	7.0	B	U F01, F07



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: March 06, 1997

Page 1 of 2

Sample ID : 5001C1
Lab ID : 9609353-07
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		13.0	1.00	1.00	wt%	1.0	DDT	09/26/96	1730	91147	1
General Chemistry											
Total Rec. Petro. Hydrocarbons	U	6.12 <i>u not</i>	7.77	11.5	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

I indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

DATA VALIDATION
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9609353-07

EPA SAMPLE NO.

5001C1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-07

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1M431

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

91-20-3-----	naphthalene	383	U
91-58-7-----	2-chloronaphthalene	383	U
209-96-8-----	acenaphthylene	383	U
83-32-9-----	acenaphthene	383	U
86-73-7-----	fluorene	383	U
85-01-8-----	phenanthrene	383	U
120-12-7-----	anthracene	383	U
206-44-0-----	fluoranthene	383	U
129-00-0-----	pyrene	383	U
56-55-3-----	benzo (a) anthracene	383	U
218-01-9-----	chrysene	383	U
205-99-2-----	benzo (b) fluoranthene	383	U
207-08-9-----	benzo (k) fluoranthene	383	U
50-32-8-----	benzo (a) pyrene	383	U
193-39-5-----	indeno (1,2,3-cd) pyrene	383	U
53-70-3-----	dibenz (a,h) anthracene	383	U
191-24-2-----	benzo (g,h,i) perylene	383	U

DATA VALIDATION
COPY

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5001C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-07

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1B420

% Moisture: 13 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U
108-88-3-----Toluene	5.7	U
100-41-4-----Ethylbenzene	5.7	U
1330-20-7-----Xylenes (total)	5.7	U

0022

COC NO.: G00059

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sampler (Signature) <i>Sharon Stoller</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS -			
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	DVA SCREENING		
2601 H1	9/17/96	1020	SOIL											2	15 ppm	9609352-04	8.9
2601 J1	9/17/96	1035	SOIL											2	17 ppm	9609353-09	9.9
4803 B1	9/17/96	1345	SOIL											2	335 ppm	9609353-13	10
4803 D1	9/17/96	1400	SOIL											2	0 ppm	9609352-09	11
4804 A1	9/17/96	1510	SOIL											2	3.5 ppm	9609353-14	10
4804 C1	9/17/96	1520	SOIL											2	0 ppm	9609352-10	11
5002 B1	9/17/96	0905	SOIL											2	0 ppm	9609352-05	8.8
1202 D1	9/17/96	0945	SOIL											2	4.7 ppm	9609352-06	8.8
1202 B1	9/17/96	0940	SOIL											2	67.8 ppm	9609353-10	9
1201 B1	9/17/96	1045	SOIL											2	33.2 ppm	9609353-11	8
1201 A1	9/17/96	1045	SOIL											2	7.9 ppm	9609352-07	8
RELINQUISHED BY: <i>Sharon Stoller</i>				Date/Time 9/18/96		RECEIVED BY: <i>[Signature]</i>		Date/Time 9/18/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #24		Cooler Temperature: 30			
COMPANY NAME: SALIC				1325		COMPANY NAME: GEC		1330									
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>[Signature]</i>		Date/Time 9/18/96									
COMPANY NAME:						COMPANY NAME: GEC		1815									
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>[Signature]</i>		Date/Time 9-18-96									
COMPANY NAME:						COMPANY NAME: GEC											



COC NO.: G4458

41

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS												LABORATORY NAME: GEL	
PROJECT NUMBER: 0003																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter																PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Chris Potter</i>				(Printed Name) SHAWN STALLER													
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
2303B1	9/17/96	1700	SOIL										2	33.4 ppm	9109352-01		
2303A1	9/17/96	1300	SOIL										2	41.6 ppm	9109353-01		
2301B1	9/17/96	1415	SOIL										2	0 ppm	9109353-02		
2302A1	9/17/96	1610	SOIL										2	216.4 ppm	9109353-03		
2302B1	9/17/96	1610	SOIL										2	29 ppm	9109352-02		
3804D1	9/17/96	1735	SOIL										2	0 ppm	9109353-12		
3804B1	9/17/96	1730	SOIL										2	0 ppm	9109352-08		
3502B1	9/17/96	1600	SOIL										2	0 ppm	9109353-04		
3502A1	9/17/96	1557	SOIL										2	0 ppm	9109352-03		
5101C1	9/17/96	1415	SOIL										2	0 ppm	9109353-05		
5102C1	9/17/96	1217	SOIL										2	0 ppm	9109353-06		
5001C1	9/17/96	1035	SOIL										2	0 ppm	9109353-07		
5002D1	9/17/96	0915	SOIL										2	3 ppm	9109353-08		
RELINQUISHED BY: <i>Shawn Staller</i>				RECEIVED BY: <i>B. L. L. L.</i>				Date/Time 9/18/96				TOTAL NUMBER OF CONTAINERS: 48				Cooler Temperature: 30	
COMPANY NAME: SALC				COMPANY NAME: GEC				Cooler ID: #24									
RECEIVED BY:				RELINQUISHED BY: <i>B. L. L. L.</i>				Date/Time 9/18/96									
COMPANY NAME:				COMPANY NAME: GEC				Date/Time 1815									
RECEIVED BY:				RECEIVED BY: <i>Shawn Staller</i>				Date/Time 09-18-96									
COMPANY NAME:				COMPANY NAME: GEC													

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902W2

Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69220W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609220-14

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 1L521

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/14/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/20/96

Injection Volume: 1 (uL)

Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo(a)anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo(b)fluoranthene	10.0	U
207-08-9-----	benzo(k)fluoranthene	10.0	U
50-32-8-----	benzo(a)pyrene	10.0	U
193-39-5-----	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----	dibenz(a,h)anthracene	10.0	U
191-24-2-----	benzo(g,h,i)perylene	10.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69223W

Matrix: (soil/water) WATER Lab Sample ID: 9609223-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A228

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. DATA VALIDATION Date Analyzed: 09/18/96

GC Column: DB624 ID: 0.53 (mm) COPY Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U	u u, F01, F2 u u
108-88-3-----toluene	5.0 0.38	JB	
100-41-4-----ethylbenzene	5.0	U	
1330-20-7-----xylenes (total)	5.0	U	

mm
11/7/97

FORM I VOA

OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901W2

Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69220W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609220-04

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 1L511

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/14/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/20/96

Injection Volume: 1 (uL)

Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69222W

Matrix: (soil/water) WATER Lab Sample ID: 9609222-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A424

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. _____ Date Analyzed: 09/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0 0.32	JB
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

U
U, F, P, I
U
U

1/18/97

FORM I VOA

OLM03.0

CHAIN OF CUSTODY RECORD

2009 Oak Ridge Termination, Oak Ridge, TN 37831 423 521 4800

COC NO.: 68452

[illegible]



SAIC
Science Applications International Corporation
An Employee-Owned Company

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 423 887-4000

Page 2 of 4

CHAIN OF CUSTODY RECORD

COC NO.: G486S1

PROJECT NAME: Fort Stewart IUST EStab				REQUESTED PARAMETERS										LABORATORY NAME: GEL		
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171		
Sample (Signature) <i>Sharon Spouter</i>				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS												
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GAO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	NH ₄ , LEAD, TPH	TPH	TPH, DRO	TPH	No. of Bottles/Vials	OVA SCORING	
TR00028	9/11/96	0730	WATER		2									2	N/A	002-14
TR00286	9/11/96	1750			2									2	N/A	-15
4500325	9/11/96	1505			2									2	N/A	-16
4901W2	9/11/96	1340			2									2	not recorded	-17
4601W2	9/11/96	1050			2									2	0 ppm	-18
4602W2	9/11/96	0940			2									2	not recorded	-19
4602W4	9/11/96	0940			2									2	0 ppm	-20
TR00030	9/11/96	0730			2									2	N/A	9609223-01
4502W2	9/11/96	1500			2									2	0 ppm	-02
5504RS	9/11/96	1350			2									2	N/A	-03
TR00026	9/11/96	0730			2									2	N/A	-04
0701W2	9/11/96	1135			2									2	154.5 ppm	-05
TR00027	9/11/96	0730			2									2	N/A	-06
RELINQUISHED BY: <i>6/15/96</i>				Date/Time 9/11/96		RECEIVED BY: <i>JS L. Spouter</i>		Date/Time 9/12/96		TOTAL NUMBER OF CONTAINERS: Cooler ID: #6		Cooler Temperature:				
COMPANY NAME: SAIC						COMPANY NAME:		1700								
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time								
COMPANY NAME:						COMPANY NAME:										
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>Sharon Spouter</i>		Date/Time 9/12/96								
COMP. NAME:						COMPANY NAME:										

09.12.1996 12:57

P.12

CHAIN OF CUSTODY RECORD

COC NO.: G0044

FROM

09.12.1996 12:01

P. 6

PROJECT NAME: Fort Stewart UST Site				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Porter														PHONE NO: (803) 556-8171	
Sample (Signature)				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS											
Sample ID	Date Collected	Time Collected	Matrix	STEX, DRO	STEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, DRO	PAH, DRO	PAH, DRO	No. of Bottles/Vials	DVA SCORED/NO	
SS01W2	9/12/96	1515	WATER										3	70	221-13.3
SS01G5	9/12/96	1350	WATER										5	N/A	224-05
SS01W2	9/12/96	1455	WATER										5	1422 ppm	221-14.1
19022W2	9/12/96	1430	WATER										2	21.8 ppm	220-14.1
SUS 9/12/96															
RELINQUISHED BY: [Signature]				Date/Time: 9/13/96		RECEIVED BY: [Signature]		Date/Time: 9/12/96		TOTAL NUMBER OF CONTAINERS: 13		Cooler Temperature: 56			
COMPANY NAME: [Signature]				1300		COMPANY NAME: [Signature]		1300		Cooler ID: #224					
RECEIVED BY:				Date/Time:		RELINQUISHED BY:		Date/Time:							
COMPANY NAME:						COMPANY NAME:									
RELINQUISHED BY:				Date/Time:		RECEIVED BY: [Signature]		Date/Time: 9-12-96							
COMPANY NAME:						COMPANY NAME: [Signature]		1300							

COC NO. 50848

[illegible]

DATA VERIFIED
DATE: 09/27/96

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 27, 1996

Page 1 of 2

Sample ID : 4902C1
Lab ID : 9609228-08
Matrix : Soil
Date Collected : 09/10/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		16.0	1.00	1.00	wt%	1.0	DDT	09/24/96	1430	90960	1
General Chemistry											
Total Rec. Petro. Hydrocarbons	B	37.2	8.04	11.9	mg/kg	1.0	EAN	09/20/96	1400	90876	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0176



9609228-08

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902C1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69228S

Matrix: (soil/water) SOIL Lab Sample ID: 9608228-08

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4M419

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/27/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	392	U
91-58-7-----	2-chloronaphthalene	392	U
209-96-8-----	acenaphthylene	392	U
83-32-9-----	acenaphthene	392	U
86-73-7-----	fluorene	392	U
85-01-8-----	phenanthrene	392	U
120-12-7-----	anthracene	392	U
206-44-0-----	fluoranthene	392	U
129-00-0-----	pyrene	392	U
56-55-3-----	benzo (a) anthracene	392	U
218-01-9-----	chrysene	392	U
205-99-2-----	benzo (b) fluoranthene	392	U
207-08-9-----	benzo (k) fluoranthene	392	U
50-32-8-----	benzo (a) pyrene	392	U
193-39-5-----	indeno (1,2,3-cd) pyrene	392	U
53-70-3-----	dibenz (a,h) anthracene	392	U
191-24-2-----	benzo (g,h,i) perylene	392	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69228S

Matrix: (soil/water) SOIL Lab Sample ID: 9609228-08

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2B120

% Moisture: 16 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.0	U	U
108-88-3-----Toluene	170	P	JH08
100-41-4-----Ethylbenzene	6.0	U	U
1330-20-7-----Xylenes (total)	6.0	U	U

0046

DATA VALIDATION
COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 26, 1996

Page 1 of 2

Sample ID : 4902A1
Lab ID : 9609226-12
Matrix : Soil
Date Collected : 09/10/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VAL QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		17.0		1.00	1.00	wt%	1.0	DDT	09/23/96	1540	90959	1
General Chemistry												
Total Rec. Petro. Hydrocarbons	3	31.0	US EPA 816, F07, P01	8.11	12.0	mg/kg	1.0	EAN	09/19/96	1100	90769	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0235A



9609226-12

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902A1

Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69226S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609226-12

Sample wt/vol: 30.6 (g/mL) g

Lab File ID: 1M169

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/24/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3-----	naphthalene	394 U	U ↓
91-58-7-----	2-chloronaphthalene	394 U	
209-96-8-----	acenaphthylene	394 U	
83-32-9-----	acenaphthene	394 U	
86-73-7-----	fluorene	394 U	
85-01-8-----	phenanthrene	394 U	
120-12-7-----	anthracene	394 U	
206-44-0-----	fluoranthene	394 U	
129-00-0-----	pyrene	394 U	
56-55-3-----	benzo (a) anthracene	394 U	
218-01-9-----	chrysene	394 U	
205-99-2-----	benzo (b) fluoranthene	394 U	
207-08-9-----	benzo (k) fluoranthene	394 U	
50-32-8-----	benzo (a) pyrene	394 U	
193-39-5-----	indeno (1,2,3-cd) pyrene	394 U	
53-70-3-----	dibenz (a,h) anthracene	394 U	
191-24-2-----	benzo (g,h,i) perylene	394 U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4902A1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69226S

Matrix: (soil/water) SOIL Lab Sample ID: 9609226-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2B16

% Moisture: 17 decanted: (Y/N) N Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/23/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	6.0	U	
108-88-3-----	Toluene	16		
100-41-4-----	Ethylbenzene	6.0	U	
1330-20-7-----	Xylenes (total)	6.0	U	

0058

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 26, 1996

Page 1 of 2

Sample ID : 4901D1
Lab ID : 9609226-20
Matrix : Soil
Date Collected : 09/11/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		16.0	1.00	1.00	wt%	1.0	DDT	09/23/96	1540	90959	1
General Chemistry											
Al Rec. Petro. Hydrocarbons	U	6.26	8.04	11.9	mg/kg	1.0	EAN	09/19/96	1100	90769	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0242



9609226-20

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901D1

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69226S
 Matrix: (soil/water) SOIL Lab Sample ID: 9609226-20
 Sample wt/vol: 30.8 (g/mL) g Lab File ID: 1M208
 Level: (low/med) LOW Date Received: 09/12/96
 % Moisture: 16 decanted: (Y/N) N Date Extracted: 09/20/96
 Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/24/96
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

91-20-3-----	naphthalene	386	U
91-58-7-----	2-chloronaphthalene	386	U
209-96-8-----	acenaphthylene	386	U
83-32-9-----	acenaphthene	386	U
86-73-7-----	fluorene	386	U
85-01-8-----	phenanthrene	386	U
120-12-7-----	anthracene	386	U
206-44-0-----	fluoranthene	386	U
129-00-0-----	pyrene	386	U
56-55-3-----	benzo (a) anthracene	386	U
218-01-9-----	chrysene	386	U
205-99-2-----	benzo (b) fluoranthene	386	U
207-08-9-----	benzo (k) fluoranthene	386	U
50-32-8-----	benzo (a) pyrene	386	U
193-39-5-----	indeno (1,2,3-cd) pyrene	386	U
53-70-3-----	dibenz (a,h) anthracene	386	U
191-24-2-----	benzo (g,h,i) perylene	386	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901D1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69226S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609226-20

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B2B14

% Moisture: 16 decanted: (Y/N) N

Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: _____ (uL)

Date Analyzed: 09/23/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

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

71-43-2-----Benzene	6.0	U
108-88-3-----Toluene	6.0	U
100-41-4-----Ethylbenzene	6.0	U
1330-20-7-----Xylenes (total)	6.0	U

0057

CHAIN OF CUSTODY RECORD

COC NO.: 66048

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS												LABORATORY NAME: GEL	
PROJECT NUMBER: 0003																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter																PHONE NO: (803) 556-8171	
Sample (Signature) <i>Sharon Staller</i>																OIA SPECIMENS	
Date Collected				Time Collected				Matrix				No. of Bottles/Matrix				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
9/11/96				1340				SOIL				2				228-13	
9/11/96				1323				SOIL				2				226-20	
9/11/96				1453				SOIL				2				227-08	
9/11/96				1450				SOIL				2				227-09	
9/11/96				0940				SOIL				2				228-13	
9/11/96				0985				SOIL				2				227-05	
9/11/96				1100				SOIL				2				227-06	
9/11/96				1030				SOIL				2				228-14	
9/11/96				1050				SOIL				2				227-01	
9/11/96				0925				SOIL				2				-02-05	
9/11/96				1034				SOIL				2				-03	
9/11/96				0920				SOIL				2				-04	
9/11/96				1427				SOIL				2				228-15	
RECEIVED BY: <i>Sharon Staller</i>				Date/Time 9/12/96				RECEIVED BY: <i>Sharon Staller</i>				Date/Time 9/12/96				TOTAL NUMBER OF CONTAINERS: 32	
COMPANY NAME: SAL				1340				COMPANY NAME: GEL				1500				Cooler ID: #248	
RECEIVED BY:				Date/Time				RELINQUISHED BY:				Date/Time				Cooler Temperature: 30	
COMPANY NAME:								COMPANY NAME:									
RELINQUISHED BY:				Date/Time				RECEIVED BY:				Date/Time					
COMPANY NAME:								COMPANY NAME:									

Change sample #15 description to 5603C3 instead of 5603C1



200 Oak Ridge Turnpike, Oak Ridge, TN 37831 423/871-4000

CHAIN OF CUSTODY RECORD

COC NO.: 60047

Page 2 of 2

PROJECT NAME: Fort Stewart IJST Site				REQUESTED PARAMETERS										LABORATORY NAME:		
PROJECT NUMBER: 0003														GEL		
PROJECT MANAGER: Chris Porter														LABORATORY ADDRESS:		
Sample (Signature): <i>Chris Porter</i>														2040 Savage Road Charleston, SC 29417		
Printed Name: <i>Chris Porter</i>														PHONE NO: (803) 556-8171		
Sample ID	Date Collected	Time Collected	Matrix	BTEX, DRO	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, DRO	TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCHEDING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
550A1	9/10/96	10:40	SOIL											2	20m	228-07.6
4202C1	9/10/96	09:15	SOIL											2	4.4 ppm	228-08.4
4902A1	9/10/96	09:10	SOIL											2	15.6 ppm	226-12.5
0702B1	9/10/96	09:10	SOIL											2	6.3 ppm	-13
0701B1	9/10/96	10:55	SOIL											2	149.7 ppm	-14
1102B1	9/11/96	14:20	SOIL											2	0 ppm	-15
1101B1	9/11/96	16:20	SOIL											2	12.2 ppm	-16
1002B1	9/10/96	12:45	SOIL											2	7.8 ppm	-17
4303C1	9/10/96	13:15	SOIL											2	0 ppm	228-09.6
4303B1	9/10/96	14:30	SOIL											2	26.2 ppm	226-18.5
4304D1	9/11/96	13:50	SOIL											2	6 ppm	-19.5
				SS 9/12/96												
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 9/12/96				RECEIVED BY: <i>[Signature]</i>				Date/Time: 9/12/96				
COMPANY NAME: SAIC				1300				COMPANY NAME: SAIC				1315				
RECEIVED BY:				Date/Time:				RELINQUISHED BY:				Date/Time:				
COMPANY NAME:				Date/Time:				COMPANY NAME:				Date/Time:				
RELINQUISHED BY:				Date/Time:				RECEIVED BY: <i>[Signature]</i>				Date/Time: 9-12-96				
COMPANY NAME:				Date/Time:				COMPANY NAME: FEL				1300				

Cooler Temperature:

TOTAL NUMBER OF CONTAINERS: 48

Cooler ID: #202

30

APPENDIX C-11

**Facility ID #9-089061
USTs 228, 229, 230, and 231**

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4602W2

Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69220W
 Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609220-07
 Sample wt/vol: 500 (g/mL) mL Lab File ID: 1L514
 Level: (low/med) LOW Date Received: 09/12/96
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/14/96
 Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/20/96
 Injection Volume: 1 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO.	COMPOUND	Q
91-20-3	-----naphthalene	10.0 U
91-58-7	-----2-chloronaphthalene	10.0 U
209-96-8	-----acenaphthylene	10.0 U
83-32-9	-----acenaphthene	10.0 U
86-73-7	-----fluorene	10.0 U
85-01-8	-----phenanthrene	10.0 U
120-12-7	-----anthracene	10.0 U
206-44-0	-----fluoranthene	10.0 U
129-00-0	-----pyrene	10.0 U
56-55-3	-----benzo (a) anthracene	10.0 U
218-01-9	-----chrysene	10.0 U
205-99-2	-----benzo (b) fluoranthene	10.0 U
207-08-9	-----benzo (k) fluoranthene	10.0 U
50-32-8	-----benzo (a) pyrene	10.0 U
193-39-5	-----indeno (1,2,3-cd) pyrene	10.0 U
53-70-3	-----dibenz (a,h) anthracene	10.0 U
191-24-2	-----benzo (g,h,i) perylene	10.0 U

DATA VALIDATION

COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4602W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69222W

Matrix: (soil/water) WATER Lab Sample ID: 9609222-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A426

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. _____ Date Analyzed: 09/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0 0.36	JB
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

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1/8/97

FORM I VOA

OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4601W2

b Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69220W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609220-09

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 1L516

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/14/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/20/96

Injection Volume: 1 (uL)

Dilution Factor: 1.0

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

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

91-20-3-----naphthalene	10.0	U
91-58-7-----2-chloronaphthalene	10.0	U
209-96-8-----acenaphthylene	10.0	U
83-32-9-----acenaphthene	10.0	U
86-73-7-----fluorene	10.0	U
85-01-8-----phenanthrene	10.0	U
120-12-7-----anthracene	10.0	U
206-44-0-----fluoranthene	10.0	U
129-00-0-----pyrene	10.0	U
56-55-3-----benzo(a)anthracene	10.0	U
218-01-9-----chrysene	10.0	U
205-99-2-----benzo(b)fluoranthene	10.0	U
207-08-9-----benzo(k)fluoranthene	10.0	U
50-32-8-----benzo(a)pyrene	10.0	U
193-39-5-----indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----dibenz(a,h)anthracene	10.0	U
191-24-2-----benzo(g,h,i)perylene	10.0	U

DATA VALIDATION

COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4601W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69222W

Matrix: (soil/water) WATER Lab Sample ID: 9609222-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A425

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. _____ Date Analyzed: 09/19/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0 0.28	JB
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

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FBIMAY
11/8/97

FORM I VOA

OLM03.0

CHAIN OF CUSTODY RECORD

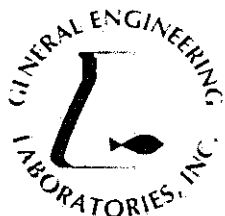
COC NO.: GØØ42

[illegible]

CHAIN OF CUSTODY RECORD

COC NO.: 600471

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sample (Signature) <i>Sharon Soule</i>				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 224-84 224-83.9 220-06.1 -07 -08													
Sample ID	Date Collected	Time Collected	Matrix	BTX, GRO	BTX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPI	PAH, TPI	PAH, DRO	TPI	No. of Bottles/Vials	DVA SCREENING		
1000125	9/19/96	1025	WATER											5	N/A		
1000122	9/19/96	1100	WATER											2	315 ppm		
1000202	9/19/96	0900	WATER											2	0 ppm		
1000204	9/19/96	0900	WATER											2	0 ppm		
SUS 9/12/96																	
RELINQUISHED BY: <i>Sharon Soule</i>				RECEIVED BY: <i>B. Luchman</i>				Date/Time 9/19/96				TOTAL NUMBER OF CONTAINERS: 11				Cooler Temperature: 50	
COMPANY NAME: SHIC				COMPANY NAME: GEL				Date/Time 1300				Cooler ID: #3					
RECEIVED BY:				RELINQUISHED BY:				Date/Time									
COMPANY NAME:				COMPANY NAME:				Date/Time									
RELINQUISHED BY:				RECEIVED BY: <i>Sharon Soule</i>				Date/Time 9-19-96									
COMPANY NAME:				COMPANY NAME: <i>SHIC</i>				Date/Time 1300									



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow

DATA VALIDATION COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedike
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 28, 1996

Page 1 of 2

Sample ID : 4602B1
Lab ID : 9609227-04
Matrix : Soil
Date Collected : 09/11/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		19.0	1.00	1.00	wt%	1.0	DDT	09/23/96	1540	90959	1
General Chemistry											
Total Rec. Petro. Hydrocarbons	U	5.97	8.31	12.3	mg/kg U	1.0	EAN	09/19/96	1100	90769	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

213

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414

(803) 556-8171 • Fax (803) 766-1178



9609227-04

DATA VALIDATION

COPY

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

4602B1RE0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69227S

Matrix: (soil/water) SOIL Lab Sample ID: 9609227-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 80506

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 10/08/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

USE

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

91-20-3-----	naphthalene	410	U	u ↓
91-58-7-----	2-chloronaphthalene	410	U	
209-96-8-----	acenaphthylene	410	U	
83-32-9-----	acenaphthene	410	U	
86-73-7-----	fluorene	410	U	
85-01-8-----	phenanthrene	410	U	
120-12-7-----	anthracene	410	U	
206-44-0-----	fluoranthene	410	U	
129-00-0-----	pyrene	410	U	
56-55-3-----	benzo (a) anthracene	410	U	
218-01-9-----	chrysene	410	U	
205-99-2-----	benzo (b) fluoranthene	410	U	
207-08-9-----	benzo (k) fluoranthene	410	U	
50-32-8-----	benzo (a) pyrene	410	U	
193-39-5-----	indeno (1,2,3-cd) pyrene	410	U	
53-70-3-----	dibenz (a,h) anthracene	410	U	
191-24-2-----	benzo (g,h,i) perylene	410	U	

DATA VALIDATION
COPY

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4602B1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69227S

Matrix: (soil/water) SOIL Lab Sample ID: 9609227-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1A516

% Moisture: 19 decanted: (Y/N) N Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

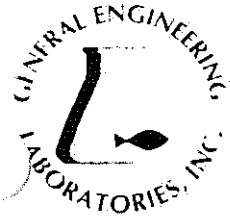
Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/20/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.2	U
108-88-3-----Toluene	6.2	U
100-41-4-----Ethylbenzene	6.2	U
1330-20-7-----Xylenes (total)	6.2	U



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a history of tomorrow.

DATA VALIDATION
COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 28, 1996

Page 1 of 2

Sample ID : 4601D1
Lab ID : 9609227-03
Matrix : Soil
Date Collected : 09/11/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		12.0	1.00	1.00	wt%	1.0	DDT	09/23/96	1540	90959	1
General Chemistry											
Total Rec. Petro. Hydrocarbons	B	95.1 = F08	7.71	11.4	mg/kg	1.0	EAN	09/19/96	1100	90769	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

212

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9609227-03

DATA VALIDATION

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

4601D1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69227S

Matrix: (soil/water) SOIL Lab Sample ID: 9609227-03

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 1M459

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	369	U
91-58-7-----	2-chloronaphthalene	369	U
209-96-8-----	acenaphthylene	369	U
83-32-9-----	acenaphthene	369	U
86-73-7-----	fluorene	369	U
85-01-8-----	phenanthrene	369	U
120-12-7-----	anthracene	369	U
206-44-0-----	fluoranthene	369	U
129-00-0-----	pyrene	369	U
56-55-3-----	benzo (a) anthracene	369	U
218-01-9-----	chrysene	369	U
205-99-2-----	benzo (b) fluoranthene	369	U
207-08-9-----	benzo (k) fluoranthene	369	U
50-32-8-----	benzo (a) pyrene	369	U
193-39-5-----	indeno (1,2,3-cd) pyrene	369	U
53-70-3-----	dibenz (a,h) anthracene	369	U
191-24-2-----	benzo (g,h,i) perylene	369	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4601D1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69227S

Matrix: (soil/water) SOIL Lab Sample ID: 9609227-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1A515

% Moisture: 12 decanted: (Y/N) N Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/20/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U
108-88-3-----Toluene	5.7	U
100-41-4-----Ethylbenzene	13	
1330-20-7-----Xylenes (total)	5.7	U

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SAC
Science Applications International Corporation
An Employee-Owned Company

808 Oak Ridge Turnpike, Oak Ridge, TN 37831 423/851-4000

Page 1 of 2

FROM

09.12.1998 12:34

P.10

CHAIN OF CUSTODY RECORD

COC NO.: 60048

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS												LABORATORY NAME: GEL					
PROJECT NUMBER: 0003																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Chris Potter																PHONE NO: 803) 556-8171					
Sample (Signature) <i>Sharon Stoller</i>				OIA SOP/END												OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS					
Date Collected				Time Collected				Merits				No. of Bottles/Vials									
4304 B1				9/11/96				1240				SOIL				2				228-17 228-18 .6	
4901 B1				9/11/96				1223				SOIL				2				226-20 .5	
4902 B1				9/11/96				1453				SOIL				2				227-08 .7	
4902 A1				9/11/96				1450				SOIL				2				227-09 .8	
4902 B1				9/11/96				0940				SOIL				2				228-13 .6	
4902 B1				9/11/96				0985				SOIL				2				227-05 .5	
4902 B1				9/11/96				1100				SOIL				2				227-06 .4	
4902 B1				9/11/96				1050				SOIL				2				228-14 .6	
4902 B1				9/11/96				1050				SOIL				2				227-01 .5	
4902 B1				9/11/96				0925				SOIL				2				-02 .5	
4902 B1				9/11/96				1034				SOIL				2				-03	
4902 B1				9/11/96				0920				SOIL				2				-04	
5603 C1				9/11/96				1427				SOIL				2				228-15 .6	
RECEIVED BY: <i>Sharon Stoller</i>				Date/Time 9/12/96				RECEIVED BY: <i>B. L. Stoller</i>				Date/Time 9/12/96				TOTAL NUMBER OF CONTAINERS: 32				Cooler Temperature: 30	
COMPANY NAME: SAC				Date/Time 1300				COMPANY NAME: GEL				Date/Time 1300				Cooler ID: #248					
RECEIVED BY:				Date/Time				RELINQUISHED BY:				Date/Time									
COMPANY NAME:				Date/Time				COMPANY NAME:				Date/Time									
RECEIVED BY:				Date/Time				RELINQUISHED BY:				Date/Time									
COMPANY NAME:				Date/Time				COMPANY NAME:				Date/Time									
RECEIVED BY:				Date/Time				RELINQUISHED BY:				Date/Time									
COMPANY NAME:				Date/Time				COMPANY NAME:				Date/Time									

Change sample #15 description
to 5603C3 instead of 5603C1

DATA VALIDATION

COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4502W2

b Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69167W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609167-03

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 5L310

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/13/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
208-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4502W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER Lab Sample ID: 9609177-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A121

Level: (low/med) LOW Date Received: 09/11/96

% Moisture: not dec. _____ Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene		5.0	U	U
108-88-3-----toluene		0.59	JB	U
100-41-4-----ethylbenzene		5.0	U	U
1330-20-7-----xylenes (total)		5.0	U	U

Handwritten: 12/18/96

FORM I VOA

OLM03.0

DATA VALIDATION

1B
COPY SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4501W2

Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69167W
Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609167-02
Sample wt/vol: 500 (g/mL) mL Lab File ID: 5L309
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: decanted: (Y/N) Date Extracted: 09/13/96
Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0 U	U ↓
91-58-7	2-chloronaphthalene	10.0 U	
208-96-8	acenaphthylene	10.0 U	
83-32-9	acenaphthene	10.0 U	
86-73-7	fluorene	10.0 U	
85-01-8	phenanthrene	10.0 U	
120-12-7	anthracene	10.0 U	
206-44-0	fluoranthene	10.0 U	
129-00-0	pyrene	10.0 U	
56-55-3	benzo(a)anthracene	10.0 U	
218-01-9	chrysene	10.0 U	
205-99-2	benzo(b)fluoranthene	10.0 U	
207-08-9	benzo(k)fluoranthene	10.0 U	
50-32-8	benzo(a)pyrene	10.0 U	
193-39-5	indeno(1,2,3-cd)pyrene	10.0 U	
53-70-3	dibenz(a,h)anthracene	10.0 U	
191-24-2	benzo(g,h,i)perylene	10.0 U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4501W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER Lab Sample ID: 9609177-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A123

Level: (low/med) LOW Date Received: 09/11/96

% Moisture: not dec. _____ Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	0.34	J	5 0.36 0.19 0.22 12/18/91	J JB J J	OF0, F0
108-88-3-----toluene	0.36	JB			
100-41-4-----ethylbenzene	0.19	J			
1330-20-7-----xylenes (total)	0.22	J			

FORM I VOA

OLM03.0

CHAIN OF CUSTODY RECORD

COC NO.: G00036

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sampler (Signature)														OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials			
TB0016	9/8/96	0715	WATER	2	2									2	N/A		
1404W2	9/8/96	0905	WATER	2	2									2	0 ppm		
5201W2	9/8/96	1600	WATER	2	2									2	0 ppm		
1404R5	9/8/96	0825	WATER	2	2									2	0 ppm		
4701W2	9/8/96	1440	WATER	2	2									2	0 ppm		
4401W2	9/8/96	1805	WATER	2	2									2	84 ppm		
TB0014	9/8/96	0715	WATER	2	2									2	N/A		
4502W2	9/8/96	1440	WATER	2	2									2	0 ppm		
1403W2	9/8/96	1210	WATER	2	2									2	0 ppm		
1503W2	9/8/96	1025	WATER	2	2									2	0 ppm		
4501W2	9/8/96	1600	WATER	2	2									2	0 ppm		
4402W2	9/8/96	1225	WATER	2	2									2	8.3 ppm		
46303W2	9/8/96	0415	WATER	2	2									2	0.3 ppm		
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 9/14/96		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9/14/96		TOTAL NUMBER OF CONTAINERS: 92		Cooler ID: #24		Cooler Temperature:			
COMPANY NAME: SAIC				1540		COMPANY NAME: GEL		1540									
RECEIVED BY: <i>[Signature]</i>				Date/Time: 9/14/96		RELINQUISHED BY: <i>[Signature]</i>		Date/Time: 9/14/96									
COMPANY NAME: GEL						COMPANY NAME: GEL		1815									
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 9-10-96		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9-10-96									
COMPANY NAME: GEL						COMPANY NAME: GEL											



CHAIN OF CUSTODY RECORD

COC NO.: G14424

CHAIN OF CUSTODY RECORD

20

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4502A1
Lab I.D.: 9609179-16
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons Evaporative Loss	B UFD, FOT	32.1 12	mg/kg %	EPA 418.1 Mod.	SDW	09/16/961100

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4502A1

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69179S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609179-16

Sample wt/vol: 30.2 (g/mL) g

Lab File ID: 1L455

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 09/17/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/20/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	376	U
91-58-7-----	2-chloronaphthalene	376	U
209-96-8-----	acenaphthylene	376	U
83-32-9-----	acenaphthene	376	U
86-73-7-----	fluorene	376	U
85-01-8-----	phenanthrene	376	U
120-12-7-----	anthracene	376	U
206-44-0-----	fluoranthene	376	U
129-00-0-----	pyrene	376	U
56-55-3-----	benzo (a) anthracene	376	U
218-01-9-----	chrysene	376	U
205-99-2-----	benzo (b) fluoranthene	376	U
207-08-9-----	benzo (k) fluoranthene	376	U
50-32-8-----	benzo (a) pyrene	376	U
193-39-5-----	indeno (1,2,3-cd) pyrene	376	U
53-70-3-----	dibenz (a,h) anthracene	376	U
191-24-2-----	benzo (g,h,i) perylene	376	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4502A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-16

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z421

% Moisture: 12 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/13/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U	u = u u
108-88-3-----Toluene	11.0		
100-41-4-----Ethylbenzene	5.7	U	
1330-20-7-----Xylenes (total)	5.7	U	

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4501A1
Lab I.D.: 9609179-13
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons Evaporative Loss	B 0 F01, F07	23.2 9	mg/kg %	EPA 418.1 Mod.	SDW	09/16/96 1100

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4501A1

Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69179S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609179-13

Sample wt/vol: 30.1 (g/mL) g

Lab File ID: 1L420

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 09/17/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

91-20-3-----	naphthalene	364	U
91-58-7-----	2-chloronaphthalene	364	U
209-96-8-----	acenaphthylene	364	U
83-32-9-----	acenaphthene	364	U
86-73-7-----	fluorene	364	U
85-01-8-----	phenanthrene	364	U
120-12-7-----	anthracene	364	U
206-44-0-----	fluoranthene	364	U
129-00-0-----	pyrene	364	U
56-55-3-----	benzo (a) anthracene	364	U
218-01-9-----	chrysene	364	U
205-99-2-----	benzo (b) fluoranthene	364	U
207-08-9-----	benzo (k) fluoranthene	364	U
50-32-8-----	benzo (a) pyrene	364	U
193-39-5-----	indeno (1,2,3-cd) pyrene	364	U
53-70-3-----	dibenz (a,h) anthracene	364	U
191-24-2-----	benzo (g,h,i) perylene	364	U

u
↓

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4501A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z418

% Moisture: 9 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.5	U
108-88-3-----Toluene	7.6	
100-41-4-----Ethylbenzene	5.5	U
1330-20-7-----Xylenes (total)	5.7	

u = u =

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart U8T Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL		
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171		
Sampler (Signature) <i>Sharon Stoler</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sampler (Printed Name) SHARON STOLER																
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	
1403A1	9/8/96	1154	SOIL											2	21.6 ppm	
4501A1	9/8/96	1530	SOIL											2	0 ppm	
0604D1	9/8/96	1650	SOIL											2	7.0 ppm	-
0604A1	9/8/96	1635	SOIL											2	7.7 ppm	
4401B1	9/8/96	1435	SOIL											2	105.5 ppm	
4401B3	9/8/96	1435	SOIL											2	105.5 ppm	
4401A3	9/8/96	1435	SOIL											2	46.3 ppm	
4401A1	9/8/96	1435	SOIL											2	46.3 ppm	
4502A1	9/8/96	1340	SOIL											2	0 ppm	
4703E1	9/8/96	1040	SOIL											2	3.9 ppm	
4703D1	9/8/96	1015	SOIL											2	11.3 ppm	
5301D1	9/8/96	0845	SOIL											2	15.0 ppm	
5301A1	9/8/96	0840	SOIL											2	24.3 ppm	
RELINQUISHED BY: <i>Sharon Stoler</i>				Date/Time 9/10/96		RECEIVED BY: <i>B. Black</i>		Date/Time 9/10/96		TOTAL NUMBER OF CONTAINERS: 44		Cooler Temperature:				
COMPANY NAME: SAIC				1540		COMPANY NAME: GEL		1545		Cooler ID: #147						
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time								
COMPANY NAME:						COMPANY NAME:										
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time								
COMPANY NAME:						COMPANY NAME:										

DATA VALIDATION
COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402W2

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69167W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609167-09

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 5L316

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/13/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

CAS NO.

COMPOUND

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

Q

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
208-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER Lab Sample ID: 9609177-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A124

Level: (low/med) LOW Date Received: 09/11/96

% Moisture: not dec. _____ Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

DATA VALIDATION
COPY

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

71-43-2-----benzene	0.30	J	J
108-88-3-----toluene	5 0.87	JB	UF3, F06
100-41-4-----ethylbenzene	0.41	J	J
1330-20-7-----xylenes (total)	0.70	J	J

FORM I VOA

OLM03.0

DATA VALIDATION

COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401W2DL1

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69167W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609167-12

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 5L406

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 09/13/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 4.0

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

CAS NO.

COMPOUND

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

Q

91-20-3-----	naphthalene	40.0	U
91-58-7-----	2-chloronaphthalene	40.0	U
208-96-8-----	acenaphthylene	40.0	U
83-32-9-----	acenaphthene	40.0	U
86-73-7-----	fluorene	40.0	U
85-01-8-----	phenanthrene	40.0	U
120-12-7-----	anthracene	40.0	U
206-44-0-----	fluoranthene	40.0	U
129-00-0-----	pyrene	40.0	U
56-55-3-----	benzo (a) anthracene	40.0	U
218-01-9-----	chrysene	40.0	U
205-99-2-----	benzo (b) fluoranthene	40.0	U
207-08-9-----	benzo (k) fluoranthene	40.0	U
50-32-8-----	benzo (a) pyrene	40.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	40.0	U
53-70-3-----	dibenz (a,h) anthracene	40.0	U
191-24-2-----	benzo (g,h,i) perylene	40.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401W2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69177W

Matrix: (soil/water) WATER Lab Sample ID: 9609177-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A120

Level: (low/med) LOW Date Received: 09/11/96

% Moisture: not dec. _____ Date Analyzed: 09/16/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

DATA VALIDATION
COPY

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

71-43-2-----benzene	0.30	J
108-88-3-----toluene	5 0.52	JB
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

12/18/91

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FORM I VOA

OLM03.0



SAIC As Employee Owned Company
Scientific Applications International Corporation

200 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

PAGE 3 OF 4

CHAIN OF CUSTODY RECORD

COC NO.: G10036

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL		
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171		
Sampler (Signature)				(Printed Name)										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	
TB0016	9/8/96	0715	WATER	2	2									2	N/A	
1404W2	9/8/96	0905	WATER	2	2									2	0 ppm	
5201W2	9/8/96	1600	WATER	2	2									2	0 ppm	
1404R5	9/8/96	0825	WATER	2	2									2	0 ppm	
4701W2	9/8/96	1440	WATER	2	2									2	0 ppm	
4401W2	9/8/96	1805	WATER	2	2									2	8.4 ppm	
TB0014	9/8/96	0715	WATER	2	2									2	N/A	
4502W2	9/8/96	1440	WATER	2	2									2	0 ppm	
1403W2	9/8/96	1210	WATER	2	2									2	0 ppm	
1503W2	9/8/96	1025	WATER	2	2									2	0 ppm	
4501W2	9/8/96	1600	WATER	2	2									2	0 ppm	
4402W2	9/8/96	1225	WATER	2	2									2	8.3 ppm	
0303W2	9/8/96	0915	WATER	2	2									2	0.23 ppm	
RELINQUISHED BY: [Signature]				Date/Time 9/10/96 1540		RECEIVED BY: [Signature]		Date/Time 9/10/96 1540		TOTAL NUMBER OF CONTAINERS: Cooler ID: #24		Cooler Temperature:				
COMPANY NAME: SAIC				1540		COMPANY NAME: [Signature]		1540								
RECEIVED BY: [Signature]				Date/Time		RELINQUISHED BY: [Signature]		Date/Time 9/10/96 1815								
COMPANY NAME:						COMPANY NAME: [Signature]		1815								
RELINQUISHED BY: [Signature]				Date/Time		RECEIVED BY: [Signature]		Date/Time 9-10-96								
COMPANY NAME:						COMPANY NAME: [Signature]		9-10-96								

CHAIN OF CUSTODY RECORD

[illegible]

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4402D1
Lab I.D.: 9609179-03
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons Evaporative Loss	B = F08	29.9 13	mg/kg %	EPA 418.1 Mod.	EAN	09/12/961400

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402D1

b Name: Contract:
Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-03
Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1L410
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

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

91-20-3	naphthalene	379	U
91-58-7	2-chloronaphthalene	379	U
209-96-8	acenaphthylene	379	U
83-32-9	acenaphthene	379	U
86-73-7	fluorene	379	U
85-01-8	phenanthrene	379	U
120-12-7	anthracene	379	U
206-44-0	fluoranthene	379	U
129-00-0	pyrene	379	U
56-55-3	benzo(a)anthracene	379	U
218-01-9	chrysene	379	U
205-99-2	benzo(b)fluoranthene	379	U
207-08-9	benzo(k)fluoranthene	379	U
50-32-8	benzo(a)pyrene	379	U
193-39-5	indeno(1,2,3-cd)pyrene	379	U
53-70-3	dibenz(a,h)anthracene	379	U
191-24-2	benzo(g,h,i)perylene	379	U

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1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z48

% Moisture: 13 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U	u ↓
108-88-3-----Toluene	5.7	U	
100-41-4-----Ethylbenzene	5.7	U	
1330-20-7-----Xylenes (total)	5.7	U	

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4402B1
Lab I.D.: 9609179-10
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:

Qualifier	Result	Units	Method	Analyst	DateTime
B U F01, F07	26.6	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
	17	%			

Total Rec. Petro.Hydrocarbons
Evaporative Loss

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402B1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-10
Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1L417
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 17 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	398	U
91-58-7	2-chloronaphthalene	398	U
209-96-8	acenaphthylene	398	U
83-32-9	acenaphthene	398	U
86-73-7	fluorene	398	U
85-01-8	phenanthrene	398	U
120-12-7	anthracene	398	U
206-44-0	fluoranthene	76.5	J
129-00-0	pyrene	47.4	J
56-55-3	benzo(a)anthracene	398	U
218-01-9	chrysene	398	U
205-99-2	benzo(b)fluoranthene	398	U
207-08-9	benzo(k)fluoranthene	398	U
50-32-8	benzo(a)pyrene	398	U
193-39-5	indeno(1,2,3-cd)pyrene	398	U
53-70-3	dibenz(a,h)anthracene	398	U
191-24-2	benzo(g,h,i)perylene	398	U

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1/8/97

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4402B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z415

% Moisture: 17 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.0	U
108-88-3-----Toluene	8.6	
100-41-4-----Ethylbenzene	6.0	U
1330-20-7-----Xylenes (total)	6.0	U

u = ug

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4401B1
Lab I.D.: 9609179-14
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons Evaporative Loss	B UFD1, F07	14.0 11	mg/kg %	EPA 418.1 Mod.	SDW	09/16/961100

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401B1

b Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 69179S
Matrix: (soil/water) SOIL Lab Sample ID: 9609179-14
Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1L421
Level: (low/med) LOW Date Received: 09/10/96
% Moisture: 11 decanted: (Y/N) N Date Extracted: 09/17/96
Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/19/96
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
91-20-3	-----naphthalene	366	U	u ↓
91-58-7	-----2-chloronaphthalene	366	U	
209-96-8	-----acenaphthylene	366	U	
83-32-9	-----acenaphthene	366	U	
86-73-7	-----fluorene	366	U	
85-01-8	-----phenanthrene	366	U	
120-12-7	-----anthracene	366	U	
206-44-0	-----fluoranthene	366	U	
129-00-0	-----pyrene	366	U	
56-55-3	-----benzo (a) anthracene	366	U	
218-01-9	-----chrysene	366	U	
205-99-2	-----benzo (b) fluoranthene	366	U	
207-08-9	-----benzo (k) fluoranthene	366	U	
50-32-8	-----benzo (a) pyrene	366	U	
193-39-5	-----indeno (1,2,3-cd) pyrene	366	U	
53-70-3	-----dibenz (a,h) anthracene	366	U	
191-24-2	-----benzo (g,h,i) perylene	366	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-14

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z419

% Moisture: 11 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.6	U	u J, Mφ8 u u
108-88-3-----Toluene	16.0	P	
100-41-4-----Ethylbenzene	5.6	U	
1330-20-7-----Xylenes (total)	5.6	U	

Client: Science Applications International Corporation
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Date: 10/19/96

Contact: Mr. Chris Potter
ProjectDescription: Ft. Stewart UST Sites

Client Code: SAIC00396

Project Manager: Linda Darrington

Page: 1

Sample I.D.: 4401A1
Lab I.D.: 9609179-06
Sample Matrix: Soil
Date Collected: 09/08/96
Date Received: 09/10/96
Priority: Routine
Collected by: Client

Parameter

Analyte:	Qualifier	Result	Units	Method	Analyst	DateTime
Total Rec. Petro.Hydrocarbons	B = F08	134	mg/kg	EPA 418.1 Mod.	EAN	09/12/961400
Evaporative Loss		8	%			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401A1

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69179S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609179-06

Sample wt/vol: 30.2 (g/mL) g

Lab File ID: 1L413

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 09/17/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/19/96

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

CAS NO.

COMPOUND

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

Q

91-20-3-----	naphthalene	360	U
91-58-7-----	2-chloronaphthalene	360	U
209-96-8-----	acenaphthylene	360	U
83-32-9-----	acenaphthene	360	U
86-73-7-----	fluorene	360	U
85-01-8-----	phenanthrene	360	U
120-12-7-----	anthracene	360	U
206-44-0-----	fluoranthene	360	U
129-00-0-----	pyrene	360	U
56-55-3-----	benzo (a) anthracene	360	U
218-01-9-----	chrysene	360	U
205-99-2-----	benzo (b) fluoranthene	360	U
207-08-9-----	benzo (k) fluoranthene	360	U
50-32-8-----	benzo (a) pyrene	360	U
193-39-5-----	indeno (1,2,3-cd) pyrene	360	U
53-70-3-----	dibenz (a,h) anthracene	360	U
191-24-2-----	benzo (g,h,i) perylene	360	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4401A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 96179S

Matrix: (soil/water) SOIL Lab Sample ID: 9609179-06

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z411

% Moisture: 8 decanted: (Y/N) N Date Received: 09/10/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/12/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
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71-43-2-----Benzene	5.4	U	
108-88-3-----Toluene	5.4	U	
100-41-4-----Ethylbenzene	5.4	U	
1330-20-7-----Xylenes (total)	5.4	U	

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CHAIN OF CUSTODY RECORD

COC NO.: G16033

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature) <i>SL 1514</i>				(Printed Name) Simon Strasser										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING
S703B1	9/19/96	1053	SOIL	1	1	1								2	0 ppm
0303A1	9/18/96	0900	SOIL	1	1	1					1			2	817 ppm
0303B1	9/18/96	0900	SOIL	1	1	1								2	901 ppm
4402B1	9/18/96	1100	SOIL	1	1	1				1				2	25.3 ppm
4402D1	9/18/96	1120	SOIL	1	1	1								2	24.6 ppm
4702B1	9/18/96	1245	SOIL	1	1	1				1				2	0 ppm
4702D1	9/18/96	1255	SOIL	1	1	1								2	0 ppm
S201A1	9/18/96	1340	SOIL	1	1	1					1			2	0 ppm
4701C1	9/18/96	1430	SOIL	1	1	1								2	238 ppm
4701B1	9/18/96	1425	SOIL	1	1	1								2	45 ppm
S201C1	9/18/96	1545	SOIL	1	1	1				1				2	0 ppm
				505		7/10/96									
RELINQUISHED BY: <i>SL 1514</i>		Date/Time 9/10/96		RECEIVED BY: <i>SL 1514</i>		Date/Time 9/10/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: 1133		Cooler Temperature: --			
COMPANY NAME: SAIL		1540		COMPANY NAME: <i>SL 1514</i>		1540									
RECEIVED BY:		Date/Time		RELINQUISHED BY:		Date/Time									
COMPANY NAME:				COMPANY NAME:		9/10/96									
RELINQUISHED BY:		Date/Time		RECEIVED BY:		Date/Time									
COMPANY NAME:				COMPANY NAME:		9-10-96									

COC NO.: G4630

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL		
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 558-8171		
Sampler (Signature) <i>Sharon Steller</i>				(Printed Name) Sharon Steller										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	
1403A1	9/8/96	1154	SOIL							1				2	21.6 ppm	
4501A1	9/8/96	1530	SOIL							1				2	0 ppm	
0604D1	9/8/96	1650	SOIL	1							1			2	7.0 ppm	
0604A1	9/8/96	1635	SOIL	1		1								2	7.7 ppm	
4401B1	9/8/96	1435	SOIL							1				2	105.5 ppm	
4401B3	9/8/96	1435	SOIL							1				2	105.5 ppm	
4401A3	9/8/96	1435	SOIL								1			2	46.3 ppm	
4401A1	9/8/96	1435	SOIL								1			2	46.3 ppm	
4502A1	9/8/96	1340	SOIL											2	0 ppm	
4703E1	9/8/96	1040	SOIL	1		1						1		2	3.9 ppm	
4703D1	9/8/96	1015	SOIL	1		1								2	11.3 ppm	
5301D1	9/8/96	0845	SOIL									1		2	15.0 ppm	
5301A1	9/8/96	0840	SOIL									1		2	24.3 ppm	
RELINQUISHED BY: <i>Sharon Steller</i>				Date/Time 9/10/96	RECEIVED BY: <i>B. Blackwell</i>				Date/Time 9/10/96	TOTAL NUMBER OF CONTAINERS: 44				Cooler Temperature:		
COMPANY NAME: SAIC				1540	COMPANY NAME: GSC				1545	Cooler ID: #147						
RECEIVED BY:				Date/Time	RELINQUISHED BY: <i>B. Blackwell</i>				Date/Time 9/10/96							
COMPANY NAME:					COMPANY NAME: GSC				1815							
RELINQUISHED BY:				Date/Time	RECEIVED BY: <i>Sharon Steller</i>				Date/Time 9-10-96							
COMPANY NAME:					COMPANY NAME: GSC				1815							

APPENDIX C-10

**Facility ID #9-089060
USTs 217, 218, and 219**

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2902W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69385W

Matrix: (soil/water) WATER Lab Sample ID: 9609385-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1C118

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: not dec. Date Analyzed: 09/30/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

71-43-2-----benzene	5.0	U	U
108-88-3-----toluene	5 0.31	JB	U F01, F06
100-41-4-----ethylbenzene	5.0	U	U
1330-20-7-----xylenes (total)	5.0	U	U

FORM I VOA

OLM03.0

000031

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2901W2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69373W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609373-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4M312

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/20/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/25/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo(a)anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo(b)fluoranthene	10.0	U
207-08-9-----	benzo(k)fluoranthene	10.0	U
50-32-8-----	benzo(a)pyrene	10.0	U
193-39-5-----	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----	dibenz(a,h)anthracene	10.0	U
191-24-2-----	benzo(g,h,i)perylene	10.0	U

EPA SAMPLE NO.

2901W2

Soil Aliquot Volume: (uL)

Q

OLM03.v

000032



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COC NO.: G18469

CHAIN OF CUSTODY RECORD

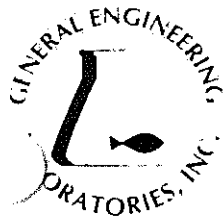
PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Shirley Spiller</i>				(Printed Name) Shirley Spiller										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 9609373-20 low recharge only 1.2 for PAH, 2	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	
2301W2	9/18/96	0830	WATER										2	23.2 ppm	9609373-20
2304A1	9/18/96	0945	SOIL										2	0 ppm	9609373-20
2304B1	9/18/96	0945	SOIL										2	935 ppm	9609373-20
2901B1	9/18/96	1130	SOIL										2	31.8 ppm	9609373-20
2901A1	9/18/96	1130	SOIL										2	56.4 ppm	9609373-20
2304B2	9/18/96	0940	WATER										2	N/A	9609373-20
2304W2	9/18/96	0920											2	20.9 ppm	9609373-20
3002W2	9/18/96	1755											2	8.4 ppm	9609373-20
130039	9/18/96	0730											2	N/A	9609373-20
3002W4	9/18/96	1755											2	8.4 ppm	9609373-20
2902W2	9/18/96	1415											2	not recorded	9609373-20
2901W2	9/18/96	1310											2	0 ppm	9609373-20
2701W2	9/18/96	0910											2	49 ppm	9609373-20
RELINQUISHED BY: <i>Shirley Spiller</i>				Date/Time 9/19/96		RECEIVED BY: <i>[Signature]</i>		Date/Time 9/19/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #245		Cooler Temperature: 48	
COMPANY NAME: SAC				Date/Time 1455		COMPANY NAME: <i>[Signature]</i>		Date/Time 1455		Cooler ID: #245		Cooler Temperature: 48		NOTE: BTEX PORTION OF 2301W2 WAS COLLECTED ON 9/17/96 AND SHIPPED ON 9/18/96	
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time		Cooler ID: #245		Cooler Temperature: 48			
COMPANY NAME:				Date/Time		COMPANY NAME:		Date/Time		Cooler ID: #245		Cooler Temperature: 48			
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time		Cooler ID: #245		Cooler Temperature: 48			
COMPANY NAME:				Date/Time		COMPANY NAME:		Date/Time		Cooler ID: #245		Cooler Temperature: 48			



COC NO.: G12764

CHAIN OF CUSTODY RECORD

[illegible]



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with quality, on time tomorrow

Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.

P.O. Box 2502

800 Oak Ridge Turnpike

Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 25, 1996

Page 1 of 2

Sample ID	: 2902B1
Lab ID	: 9609392-01
Matrix	: SOIL
Date Collected	: 09/18/96
Date Received	: 09/20/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	Validation QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		20.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1500	91183	1
General Chemistry												
Total Rec. Petro. Hydrocarbons	JØ	11.0	U FØ1, FØ6	8.45	12.5	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method

Method-Description

M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0135

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9609392-01

DATA VALIDATION

COPY SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1B

EPA SAMPLE NO.

2902B1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69392S

Matrix: (soil/water) SOIL Lab Sample ID: 9609392-01

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2N214

Level: (low/med) LOW Date Received: 09/20/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 09/30/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/01/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/Kg	
121-14-2	2,4-dinitrotoluene		407 U	
106-46-7	1,4-dichlorobenzene		407 U	
621-64-7	N-nitroso di-n-propylamine		407 U	
120-82-1	1,2,4-trichlorobenzene		407 U	
91-20-3	naphthalene		407 U	
91-58-7	2-chloronaphthalene		407 U	
209-96-8	acenaphthylene		407 U	
83-32-9	acenaphthene		407 U	
86-73-7	fluorene		407 U	
85-01-8	phenanthrene		407 U	
120-12-7	anthracene		407 U	
206-44-0	fluoranthene		407 U	
129-00-0	pyrene		407 U	
56-55-3	benzo(a)anthracene		407 U	
218-01-9	chrysene		407 U	
205-99-2	benzo(b)fluoranthene		407 U	
207-08-9	benzo(k)fluoranthene		407 U	
50-32-8	benzo(a)pyrene		407 U	
193-39-5	indeno(1,2,3-cd)pyrene		407 U	
53-70-3	dibenz(a,h)anthracene		407 U	
191-24-2	benzo(g,h,i)perylene		407 U	

DATA VALIDATION

COPY VOLATILE ORGANICS ANALYSIS DATA SHEET

1D

EPA SAMPLE NO.

2902B1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: 69392S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609392-01

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1B549

% Moisture: 20 decanted: (Y/N) N

Date Received: 09/20/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: _____ (uL)

Date Analyzed: 09/29/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Q

71-43-2-----Benzene

6.2 U

108-88-3-----Toluene

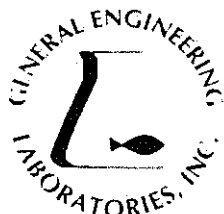
6.2 U

100-41-4-----Ethylbenzene

6.2 U

1330-20-7-----Xylenes (total)

6.2 U



GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

09/27/96

cc: SAIC00396

Report Date: October 25, 1996

Page 1 of 2

Sample ID : 2901B1
Lab ID : 9609392-08
Matrix : SOIL
Date Collected : 09/18/96
Date Received : 09/20/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VALIDATION QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		12.0		1.00	1.00	wt%	1.0	JDB	09/27/96	1700	91358	1
General Chemistry												
Total Rec. Petro. Hydrocarbons β		66.0	= F03	7.71	11.4	mg/kg	1.0	EAN	09/24/96	1500	91053	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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9609392-08

DATA VALIDATION

COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2901B1

b Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69392S

Matrix: (soil/water) SOIL Lab Sample ID: 9609392-08

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 2N221

Level: (low/med) LOW Date Received: 09/20/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 09/30/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/02/96

Injection Volume: 1.0 (uL) Dilution Factor: 4.0

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

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

CAS NO.

COMPOUND

Q

91-20-3-----	naphthalene	1510	U
91-58-7-----	2-chloronaphthalene	1510	U
209-96-8-----	acenaphthylene	1510	U
83-32-9-----	acenaphthene	1510	U
86-73-7-----	fluorene	1510	U
85-01-8-----	phenanthrene	1510	U
120-12-7-----	anthracene	1510	U
206-44-0-----	fluoranthene	1510	U
129-00-0-----	pyrene	1510	U
56-55-3-----	benzo(a) anthracene	1510	U
218-01-9-----	chrysene	1510	U
205-99-2-----	benzo(b) fluoranthene	1510	U
207-08-9-----	benzo(k) fluoranthene	1510	U
50-32-8-----	benzo(a) pyrene	1510	U
193-39-5-----	indeno(1,2,3-cd) pyrene	1510	U
53-70-3-----	dibenz(a,h) anthracene	1510	U
191-24-2-----	benzo(g,h,i) perylene	1510	U

7-17-1996

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2901B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69392S

Matrix: (soil/water) SOIL Lab Sample ID: 9609392-08

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1B558

% Moisture: 12 decanted: (Y/N) N Date Received: 09/20/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

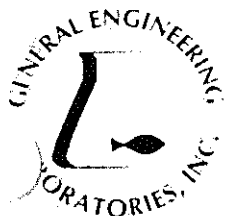
Concentrated Extract Volume: _____ (uL) Date Analyzed: 09/29/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	5.7 U	
108-88-3-----	Toluene	5.7 U	
100-41-4-----	Ethylbenzene	5.7 U	
1330-20-7-----	Xylenes (total)	5.7 U	



GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502

800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 25, 1996

Page 1 of 2

Sample ID : 2901A1
Lab ID : 9609392-05
Matrix : SOIL
Date Collected : 09/18/96
Date Received : 09/20/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VALIDATION QUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		9.00		1.00	1.00	wt%	1.0	JDB	09/27/96	1700	91358	1
General Chemistry												
Total Rec. Petro. Hydrocarbons B		119	= F03	7.44	11.0	mg/kg	1.0	EAN	09/24/96	1500	91053	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

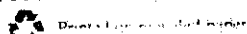
U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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0143



9609392-05

DATA VALIDATION COPY

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2901A1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69392S

Matrix: (soil/water) SOIL Lab Sample ID: 9609392-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2N218

Level: (low/med) LOW Date Received: 09/20/96

% Moisture: 9 decanted: (Y/N) N Date Extracted: 09/30/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/02/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3	-----naphthalene	362	U
91-58-7	-----2-chloronaphthalene	362	U
209-96-8	-----acenaphthylene	362	U
83-32-9	-----acenaphthene	362	U
86-73-7	-----fluorene	362	U
85-01-8	-----phenanthrene	362	U
120-12-7	-----anthracene	362	U
206-44-0	-----fluoranthene	362	U
129-00-0	-----pyrene	362	U
56-55-3	-----benzo (a) anthracene	362	U
218-01-9	-----chrysene	362	U
205-99-2	-----benzo (b) fluoranthene	362	U
207-08-9	-----benzo (k) fluoranthene	362	U
50-32-8	-----benzo (a) pyrene	362	U
193-39-5	-----indeno (1,2,3-cd) pyrene	362	U
53-70-3	-----dibenz (a,h) anthracene	362	U
191-24-2	-----benzo (g,h,i) perylene	362	U

DATA VALIDATION

CCTV

1D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

2901A1

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: 69392S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609392-05

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1B555

% Moisture: 9 decanted: (Y/N) N

Date Received: 09/20/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: _____ (uL)

Date Analyzed: 09/29/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene_____

5.5 U

108-88-3-----Toluene_____

5.5 U

100-41-4-----Ethylbenzene_____

5.5 U

1330-20-7-----Xylenes (total)_____

5.5 U

U
↓



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PAGE 1 OF 2

COC NO.: G-060609

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL																	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417																	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171																	
Sampler (Signature) <i>Sharon Steller</i>				(Printed Name) Sharon Steller				Matrix		BTEX, GRO		PAH, Lead, DRO		PAH		Lead		DRO		TPH		PAH, DRO		TPH		No. of Bottles/Vials:		OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	PAH, Lead, DRO	PAH	Lead	DRO	TPH	PAH, DRO	TPH	No. of Bottles/Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS																	
2301W2	9/18/96	0830	WATER	1	1	1	1	1	1	1	1	2	23.2 ppm	9609373-20 low recharge, only 1.2 L for PAH, 2																	
2304A1	9/18/96	0945	SOIL	1	1	1	1	1	1	1	1	2	0 ppm	9609392-07																	
2304B1	9/18/96	0945	SOIL	1	1	1	1	1	1	1	1	2	935 ppm	9609392-046																	
2901B1	9/18/96	1130	SOIL	1	1	1	1	1	1	1	1	2	31.8 ppm	9609392-087																	
2901A1	9/18/96	1130	SOIL	1	1	1	1	1	1	1	1	2	56.4 ppm	9609392-056																	
2304R6	9/18/96	0900	WATER	2	1	1	1	1	1	1	1	2	N/A	9609385-01																	
2304W2	9/18/96	0920	1	2	1	1	1	1	1	1	1	2	20.9 ppm	9609385-02																	
3002W2	9/18/96	1755	1	2	1	1	1	1	1	1	1	2	8.4 ppm	9609385-03																	
TB0039	9/18/96	0730	1	2	1	1	1	1	1	1	1	2	N/A	9609385-04																	
3002W4	9/18/96	1755	1	2	1	1	1	1	1	1	1	2	8.4 ppm	9609385-05																	
2902W2	9/18/96	1415	1	2	1	1	1	1	1	1	1	2	not recorded	9609385-06 insufficient volume for PAH																	
2901W2	9/18/96	1310	1	2	1	1	1	1	1	1	1	2	0 ppm	9609385-07																	
2701W2	9/18/96	0910	1	2	1	1	1	1	1	1	1	2	49 ppm	9609385-08																	
RELINQUISHED BY: <i>Sharon Steller</i>		Date/Time 9/19/96	RECEIVED BY: <i>[Signature]</i>		Date/Time 9/19/96	TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #245		Cooler Temperature: 14°																					
COMPANY NAME: SAIC		1455	COMPANY NAME: <i>[Signature]</i>		1455	NOTE: BTEX PORTION OF 2301W2 WAS COLLECTED ON 9/17/96 AND SHIPPED ON 9/18/96																									
RECEIVED BY:		Date/Time	RELINQUISHED BY:		Date/Time																										
COMPANY NAME:			COMPANY NAME:																												
RELINQUISHED BY:		Date/Time	RECEIVED BY:		Date/Time																										
COMPANY NAME:			COMPANY NAME:																												



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CHAIN OF CUSTODY RECORD

COC NO.: G000604

Page 1 of 2

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Shirley Stancu</i>				(Printed Name) Shirley Stancu										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPA	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING	
30001D3	9/18/96	1545	SOIL	1	1	1	1	1	1	1	1	1	2	356 ppm	9609390-11
30001B3	9/18/96	1530	SOIL	1	1	1	1	1	1	1	1	1	2	352 ppm	9609390-12
30001D1	9/18/96	1545	SOIL	1	1	1	1	1	1	1	1	1	2	356 ppm	9609390-13
30001B1	9/18/96	1530	SOIL	1	1	1	1	1	1	1	1	1	2	352 ppm	9609390-14
30002D1	9/18/96	1655	SOIL	1	1	1	1	1	1	1	1	1	2	126 ppm	9609390-15
30002B1	9/18/96	1645	SOIL	1	1	1	1	1	1	1	1	1	2	274 ppm	9609390-16
29002B1	9/18/96	1335	SOIL	1	1	1	1	1	1	1	1	1	2	0 ppm	9609390-17
24002E1	9/18/96	1730	SOIL	1	1	1	1	1	1	1	1	1	2	0 ppm	9609390-18
26002F1	9/18/96	1505	SOIL	1	1	1	1	1	1	1	1	1	2	121 ppm	9609390-19
26002E1	9/18/96	1505	SOIL	1	1	1	1	1	1	1	1	1	2	94 ppm	9609390-20
41002D1	9/18/96	1432	SOIL	1	1	1	1	1	1	1	1	1	2	0 ppm	9609390-21
41002B1	9/18/96	1424	SOIL	1	1	1	1	1	1	1	1	1	2	0 ppm	9609390-22
41003D1	9/18/96	1548	SOIL	1	1	1	1	1	1	1	1	1	2	0 ppm	9609390-23
RELINQUISHED BY: <i>Shirley Stancu</i>				Date/Time 9/19/96	RECEIVED BY: <i>Chris Potter</i>				Date/Time 9/19/96	TOTAL NUMBER OF CONTAINERS: 48				Cooler Temperature: Cooler ID: #133	
COMPANY NAME: SAC				1455	COMPANY NAME: GEL				1455						
RECEIVED BY:				Date/Time	RELINQUISHED BY:				Date/Time						
COMPANY NAME:					COMPANY NAME:										
RELINQUISHED BY:				Date/Time	RECEIVED BY:				Date/Time						
COMPANY NAME:					COMPANY NAME:										

APPENDIX C-9

Facility ID #9-089105
UST 76

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102W2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082L

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609082-28

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K357

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo (a) anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo (b) fluoranthene	10.0	U
207-08-9	benzo (k) fluoranthene	10.0	U
50-32-8	benzo (a) pyrene	10.0	U
193-39-5	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3	dibenz (a,h) anthracene	10.0	U
191-24-2	benzo (g,h,i) perylene	10.0	U

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082L

Matrix: (soil/water) WATER

Lab Sample ID: 9609082-26

Sample wt/vol: 20 (g/ml) ml

Lab File ID: 1Z217

Level: (low/med) LOW

Date Received: 09/06/96

% Moisture: not dec. _____

Date Analyzed: 09/10/96

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene		5.0	5.0 U	
108-88-3-----toluene		0.31	JB	U
100-41-4-----ethylbenzene		5.0	U	U
1330-20-7-----xylenes (total)		5.0	U	U

MAP
12/16/96

DATA VALIDATION
COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101W2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082L

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609082-34

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K363

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

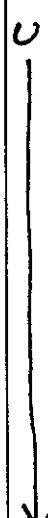
CAS NO.

COMPOUND

121-14-2-----	2,4-dinitrotoluene	10.0	U
106-46-7-----	1,4-dichlorobenzene	10.0	U
621-64-7-----	N-nitroso-di-n-propylamine	10.0	U
120-82-1-----	1,2,4-trichlorobenzene	10.0	U
91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo(a)anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo(b)fluoranthene	10.0	U
207-08-9-----	benzo(k)fluoranthene	10.0	U
50-32-8-----	benzo(a)pyrene	10.0	U
193-39-5-----	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3-----	dibenz(a,h)anthracene	10.0	U
191-24-2-----	benzo(g,h,i)perylene	10.0	U

PAH ONLY

WAP 12/16/96 Q



DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082L

Matrix: (soil/water) WATER Lab Sample ID: 9609082-25

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Z216

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	5.0	U	U
108-88-3-----toluene	5.0	0.25	JB	U F01, F02
100-41-4-----ethylbenzene	5.0	5.0	U	U
1330-20-7-----xylenes (total)	5.0	5.0	U	U

DATA VALIDATION
COPY

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Sharon Steller</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	No. of Bottles/Vials	OVA SCREENING				
3901C1	9/5/96	1405	SOIL	1	1	1				2	75 ppm	- 3			
3903A3	9/5/96	1635	SOIL	1		X	X			2	300 ppm	- 4			
TB0001	9/5/96	0759	LIQUID	2	2					2	N/A	- 5			
3901W2	9/5/96	1455	LIQUID	2	2					2	0 ppm	1			
3902W2	9/5/96	1235	LIQUID	2	2					2	0 ppm	very small bubbles both conti.			
3903W3	9/5/96	1700	LIQUID	2	2					2	0 ppm	very small bubbles both conti.			
TB0002	9/5/96	0759	LIQUID	2	2					2	N/A	very small bubbles both conti.			
1901W2	9/5/96	1455	LIQUID	2	2					2	0 ppm				
1901W4	9/5/96	1500	LIQUID	2	2					2	0 ppm				
1902W2	9/5/96	1810	LIQUID	2	2					2	0 ppm				
TB0004	9/5/96	0759	LIQUID	2	2					2	N/A				
2101W2	9/5/96	1625	LIQUID	2	2					2	205 ppm				
2102W2	9/5/96	1240	LIQUID	2	2					2	not recorded	↓			
RELINQUISHED BY: <i>Sharon Steller</i>				Date/Time 9/6/96		RECEIVED BY: <i>Bob Leach</i>		Date/Time 9/6/96		TOTAL NUMBER OF CONTAINERS: 52				Cooler Temperature: 10°	
COMPANY NAME: SAC				1326		COMPANY NAME: GEN, EN6 LABS		1326		Cooler ID: #113					
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>Sharon Steller</i>		Date/Time 9/6/96		X under requested parameter indicates that requested analyses are in the same jar					
COMPANY NAME:						COMPANY NAME:		1600							
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>Sharon Steller</i>		Date/Time 9-6-96							
COMPANY NAME:						COMPANY NAME:		1600							
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time							
COMPANY NAME:						COMPANY NAME:		1600							

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SAIL
Science Applications International Corporation
An Employee-Owned Company

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4800

PROJECT NAME: Fort Stewart UST Sites

PROJECT NUMBER: 0003

PROJECT MANAGER: Chris Potter

Sampler (Signature)

(Printed Name)

SHARON STOLLER

Sample ID Date Collected Time Collected Matrix

2101W2 9/5/96 1625 LIQUID

2102W2 9/5/96 1240 LIQUID

1901W2 9/5/96 1455 LIQUID

1901W4 9/5/96 1500 LIQUID

515 9/6/96

CHAIN OF CUSTODY RECORD

COC NO.: G0001

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sampler (Signature)				(Printed Name)										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
SHARON STOLLER															
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	No. of Bottles/Vials	DVA SCREENING				
2101W2	9/5/96	1625	LIQUID							3	205 ppm	-6			
2102W2	9/5/96	1240	LIQUID							2	not recorded	.1			
1901W2	9/5/96	1455	LIQUID							2	0 ppm	↓			
1901W4	9/5/96	1500	LIQUID							2	0 ppm				
515 9/6/96															
[REMAINDER OF TABLE IS SHRADED]															
RELINQUISHED BY: <i>[Signature]</i>				RECEIVED BY: <i>[Signature]</i>				Date/Time: 9/6/96				TOTAL NUMBER OF CONTAINERS: 9		Cooler Temperature: 12°	
COMPANY NAME: SAIL				COMPANY NAME: CEN. ENV. LABS				Date/Time: 1326				Cooler ID: #177-			
RECEIVED BY:				RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 1600							
COMPANY NAME:				COMPANY NAME:				Date/Time: 9-6-96							
RELINQUISHED BY:				RECEIVED BY: <i>[Signature]</i>				Date/Time: 1600							
COMPANY NAME:				COMPANY NAME:				Date/Time: 1600							

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102C1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1K20041

% Moisture: 23 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
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-----Diesel Range Organics			
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1.0

FORM I FID

OLM03.0

151

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z120

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. 23 Date Analyzed: 09/09/96

GC Column: J&W DB-624 (HALL) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organic-----	60.2	J	J
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DATA VALIDATION
COPY

FORM I VOA

OLM03

113

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102C1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-11

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4K719

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
91-20-3	naphthalene	424	U	U
91-58-7	2-chloronaphthalene	424	U	
209-96-8	acenaphthylene	424	U	
83-32-9	acenaphthene	424	U	
86-73-7	fluorene	424	U	
85-01-8	phenanthrene	424	U	
120-12-7	anthracene	424	U	
206-44-0	fluoranthene	424	U	
129-00-0	pyrene	424	U	
56-55-3	benzo (a) anthracene	424	U	
218-01-9	chrysene	424	U	
205-99-2	benzo (b) fluoranthene	424	U	
207-08-9	benzo (k) fluoranthene	424	U	
50-32-8	benzo (a) pyrene	424	U	
193-39-5	indeno (1,2,3-cd) pyrene	424	U	
53-70-3	dibenz (a,h) anthracene	424	U	
191-24-2	benzo (g,h,i) perylene	424	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-11

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1Z120

% Moisture: 23 decanted: (Y/N) N

Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 09/09/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene	6.5	U
108-88-3-----Toluene	6.5	U
100-41-4-----Ethylbenzene	6.5	U
-----Xylenes (total)	6.5	U

DATA VALIDATION
COPY

027

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102B1

Client Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1K20013

% Moisture: 9 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

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

USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
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-----Diesel Range Organics-----	42.6	46.5	ED	=
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MAP
12/17/96

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-05

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1Z113

Level: (low/med) LOW

Date Received: 09/06/96

% Moisture: not dec. 9

Date Analyzed: 09/09/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organic-----	27.9	J
----------------------------------	------	---

DATA VALIDATED
COPY

FORM I VOA

OLM03.

107

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102B1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-05

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4K713

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 9 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/Kg	
91-20-3	naphthalene	363	U	U
91-58-7	2-chloronaphthalene	363	U	
209-96-8	acenaphthylene	363	U	
83-32-9	acenaphthene	363	U	
86-73-7	fluorene	363	U	
85-01-8	phenanthrene	363	U	
120-12-7	anthracene	363	U	
206-44-0	fluoranthene	363	U	
129-00-0	pyrene	363	U	
56-55-3	benzo (a) anthracene	363	U	
218-01-9	chrysene	363	U	
205-99-2	benzo (b) fluoranthene	363	U	
207-08-9	benzo (k) fluoranthene	363	U	
50-32-8	benzo (a) pyrene	363	U	
193-39-5	indeno (1,2,3-cd) pyrene	363	U	
53-70-3	dibenz (a,h) anthracene	363	U	
191-24-2	benzo (g,h,i) perylene	363	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2102B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-05

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1Z113

% Moisture: 9 decanted: (Y/N) N

Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/09/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene	5.5	U
108-88-3-----Toluene	5.5	U
100-41-4-----Ethylbenzene	5.5	U
-----Xylenes (total)	5.5	U

U
↓

DATA VALIDATION
COPY

021

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101C1

Sample Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1K20032

% Moisture: 23 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
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-----Diesel Range Organics	0.42	J
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5

FORM I FID

OLM03.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z111

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. 23 Date Analyzed: 09/09/96

GC Column: J&W DB-624 (HALL) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

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

-----Gasoline Range Organic-----	31.0	J	J
----------------------------------	------	---	---

DATA VALIDATION
COPY

FORM I VOA

OLM03

105

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101C1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4K711

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	431	U
91-58-7	2-chloronaphthalene	431	U
209-96-8	acenaphthylene	431	U
83-32-9	acenaphthene	431	U
86-73-7	fluorene	431	U
85-01-8	phenanthrene	431	U
120-12-7	anthracene	431	U
206-44-0	fluoranthene	431	U
129-00-0	pyrene	431	U
56-55-3	benzo (a) anthracene	431	U
218-01-9	chrysene	431	U
205-99-2	benzo (b) fluoranthene	431	U
207-08-9	benzo (k) fluoranthene	431	U
50-32-8	benzo (a) pyrene	431	U
193-39-5	indeno (1,2,3-cd) pyrene	431	U
53-70-3	dibenz (a,h) anthracene	431	U
191-24-2	benzo (g,h,i) perylene	431	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101C1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z111

% Moisture: 23 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/09/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.5	U	
108-88-3-----Toluene	6.5	U	
100-41-4-----Ethylbenzene	6.5	U	
-----Xylenes (total)	6.5	U	

DATA VALIDATION
COPY

019

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101B1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1K20033

% Moisture: 7 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

-----Diesel Range Organics	0.52	J	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z112

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. 7 Date Analyzed: 09/09/96

GC Column: J&W DB-624 (HALL) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

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

-----Gasoline Range Organic-----	23.6	J	J
----------------------------------	------	---	---

DATA VALIDATION
COPY

FORM I VOA

OLM03

106

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101B1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4K712

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
91-20-3	naphthalene	358	U	U
91-58-7	2-chloronaphthalene	358	U	
209-96-8	acenaphthylene	358	U	
83-32-9	acenaphthene	358	U	
86-73-7	fluorene	358	U	
85-01-8	phenanthrene	358	U	
120-12-7	anthracene	358	U	
206-44-0	fluoranthene	358	U	
129-00-0	pyrene	358	U	
56-55-3	benzo (a) anthracene	358	U	
218-01-9	chrysene	358	U	
205-99-2	benzo (b) fluoranthene	358	U	
207-08-9	benzo (k) fluoranthene	358	U	
50-32-8	benzo (a) pyrene	358	U	
193-39-5	indeno (1,2,3-cd) pyrene	358	U	
53-70-3	dibenz (a,h) anthracene	358	U	
191-24-2	benzo (g,h,i) perylene	358	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2101B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z112

% Moisture: 7 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/09/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	5.4	U
108-88-3-----	Toluene	5.4	U
100-41-4-----	Ethylbenzene	5.4	U
-----	Xylenes (total)	5.4	U

DATA VALIDATION
COPY

020

COC NO.: 90003

CHAIN OF CUSTODY RECORD

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600



PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sampler (Signature) <i>Sharon Soller</i>				(Printed Name) SHARON SOLLER										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO					OVA SCREENING			
1902E1	9/5/96	1753	SOIL	1	1	1	1							2 0 ppm	-3		
1901B1	9/5/96	1140	SOIL	1	1	1	1							2 48.5 ppm	↓		
1901E1	9/5/96	1436	SOIL	1	1	1	1							2 0 ppm	.4		
2101C1	9/5/96	1620	SOIL	1	1	1	1							2 384 ppm	-3		
2101B1	9/5/96	1540	SOIL	1	1	1	1							2 253 ppm	↓		
2102C1	9/5/96	1210	SOIL	1	1	1	1							2 317 ppm	.4		
2102B1	9/5/96	1143	SOIL	1	1	1	1							2 471 ppm	-3		
3901B1	9/5/96	1355	SOIL	1	1	1	1							2 0 ppm	.4		
3902C3	9/5/96	1645	SOIL	1	1	1	1							2 1999 ppm	.3		
3903C1	9/5/96	1645	SOIL	1	1	1	1							2 1999 ppm	↓		
3903A1	9/5/96	1635	SOIL	1	1	1	1							2 300 ppm	.4		
3902C1	9/5/96	1155	SOIL	1	1	1	1							2 0 ppm	↓		
3902D1	9/5/96	1210	SOIL	1	1	1	1							2 0 ppm	.3		
RELINQUISHED BY: <i>Sharon Soller</i>				Date/Time 9/6/96		RECEIVED BY: <i>Sharon Soller</i>		Date/Time 9/6/96		TOTAL NUMBER OF CONTAINERS: 52						Cooler Temperature: 10°	
COMPANY NAME: SARL				1326		COMPANY NAME: GEN ENG LABS		1326		Cooler ID: #113							
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>Sharon Soller</i>		Date/Time 9/6/96		X under requested parameter indicates that requested analyses are in the same jar							
COMPANY NAME:						COMPANY NAME: GEL		1600									
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>Sharon Soller</i>		Date/Time 9-6-96									
COMPANY NAME:						COMPANY NAME: SARL		1600									

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APPENDIX C-8

Facility ID #9-089050
UST 52

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002W2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69090W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609090-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K231

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: decanted: (Y/N) Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	Q
91-20-3	naphthalene	10.0 U
91-58-7	2-chloronaphthalene	10.0 U
209-96-8	acenaphthylene	10.0 U
83-32-9	acenaphthene	10.0 U
86-73-7	fluorene	10.0 U
85-01-8	phenanthrene	10.0 U
120-12-7	anthracene	10.0 U
206-44-0	fluoranthene	10.0 U
129-00-0	pyrene	10.0 U
56-55-3	benzo (a) anthracene	10.0 U
218-01-9	chrysene	10.0 U
205-99-2	benzo (b) fluoranthene	10.0 U
207-08-9	benzo (k) fluoranthene	10.0 U
50-32-8	benzo (a) pyrene	10.0 U
193-39-5	indeno (1,2,3-cd) pyrene	10.0 U
53-70-3	dibenz (a,h) anthracene	10.0 U
191-24-2	benzo (g,h,i) perylene	10.0 U

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69093W

Matrix: (soil/water) WATER Lab Sample ID: 9609093-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Z418

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. Date Analyzed: 09/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0	U
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

FORM I VOA

OLM03.0

DATA VALIDATION
COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001W2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69090W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609090-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K220

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: decanted: (Y/N) Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	-----naphthalene	10.0 U	u ↓
91-58-7	-----2-chloronaphthalene	10.0 U	
209-96-8	-----acenaphthylene	10.0 U	
83-32-9	-----acenaphthene	10.0 U	
86-73-7	-----fluorene	10.0 U	
85-01-8	-----phenanthrene	10.0 U	
120-12-7	-----anthracene	10.0 U	
206-44-0	-----fluoranthene	10.0 U	
129-00-0	-----pyrene	10.0 U	
56-55-3	-----benzo (a) anthracene	10.0 U	
218-01-9	-----chrysene	10.0 U	
205-99-2	-----benzo (b) fluoranthene	10.0 U	
207-08-9	-----benzo (k) fluoranthene	10.0 U	
50-32-8	-----benzo (a) pyrene	10.0 U	
193-39-5	-----indeno (1,2,3-cd) pyrene	10.0 U	
53-70-3	-----dibenz (a,h) anthracene	10.0 U	
191-24-2	-----benzo (g,h,i) perylene	10.0 U	

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69093W

Matrix: (soil/water) WATER Lab Sample ID: 9609093-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Z426

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. Date Analyzed: 09/12/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
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71-43-2-----	benzene	5.0	U
108-88-3-----	toluene	5.0	U
100-41-4-----	ethylbenzene	5.0	U
1330-20-7-----	xlenes (total)	5.0	U

FORM I VOA

OLM03.0

DATA VALIDATION
COPY

52

COC NO.: G00000

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites PROJECT NUMBER: 0003 PROJECT MANAGER: Chris Potter Sampler (Signature) <i>Sharon Spawer</i> (Printed Name)				LABORATORY NAME: GEL LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417 PHONE NO: (803) 556-8171												
Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
				BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO						No. of Bottles/Vials	
15008W2	9/7/96	1200	WATER		2										2	
05003W2	9/7/96	1110			2										2	
15004W2	9/7/96	0910			2										2	
05004W2	9/7/96	0930			2										2	
03001R5	9/7/96	1440		2											2	
03002W2	9/7/96	1600			2										2	
04002W2	9/7/96	1015			2										2	
03002R6	9/7/96	1510			2										2	
20001W2	9/7/96	1230			2										2	
03004W2	9/7/96	1630			2										2	
04001W2	9/7/96	0925			2										2	
04001R5	9/7/96	0840			2										2	
TB00010	9/7/96	0930			2										2	
RELINQUISHED BY: <i>Sharon Spawer</i> COMPANY NAME: SAILC				RECEIVED BY: COMPANY NAME:		Date/Time: 9/27/96 Date/Time: 5/1/96		Date/Time: 9/27/96 Date/Time: 12/30		TOTAL NUMBER OF CONTAINERS: 34 Cooler ID: #237		Cooler Temperature: 50				
RECEIVED BY: <i>Raymond Reed</i> COMPANY NAME: GEL				RELINQUISHED BY: COMPANY NAME:		Date/Time: 9/8/96 Date/Time: 1310		Date/Time: 9/8/96 Date/Time: 1030		RECEIVED BY: <i>Sharon Spawer</i> COMPANY NAME: GEL		Date/Time: 9/8/96 Date/Time: 1030				
RELINQUISHED BY: <i>Raymond Reed</i> COMPANY NAME: GEL				RECEIVED BY: COMPANY NAME:		Date/Time: 9/8/96 Date/Time: 1630		Date/Time: 9/8/96 Date/Time: 1630		RECEIVED BY: <i>Sharon Spawer</i> COMPANY NAME: GEL		Date/Time: 9/8/96 Date/Time: 1030				



COC NO.: 60012

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171			
Sample (Signature) <i>Shirley</i>		Time Collected		Matrix												OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO						No. of Bottles/Vials:		
0402W2 ✓	9/7/96	1015	WATER				3							2			
0302R6 ✓	9/7/96	1510	WATER				2	1						3			
0201W2 ✓	9/7/96	1230	WATER				2							2			
0304W2 ✓	9/7/96	1630	WATER				1	1						2			
0401W2 ✓	9/7/96	0925	WATER				2							2			
<i>SCS 9/8/96</i>																	
				RECEIVED BY:		Date/Time		RECEIVED BY:		Date/Time		TOTAL NUMBER OF CONTAINERS: 12		Cooler Temperature:			
				COMPANY NAME:		9/8/96		COMPANY NAME:		9/8/96		Cooler ID: #161 2°C					
				RELINQUISHED BY:		9/8/96		RELINQUISHED BY:		9/8/96							
				COMPANY NAME:		1310		COMPANY NAME:		1310							
				RECEIVED BY:		9/8/96		RELINQUISHED BY:		9/8/96							
				COMPANY NAME:		1310		COMPANY NAME:		1310							
				RELINQUISHED BY:		9/8/96		RECEIVED BY:		9/8/96							
				COMPANY NAME:		1630		COMPANY NAME:		1630							

Chain says 0201W2 bottle 200lbs we used what was in bottle.



COC NO.: 670010

[illegible]

FORM 1
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002D1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1L20034

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 09/11/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
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-----Diesel Range Organics	0.94	B	UF01, F07
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609086-11

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1A317

Level: (low/med) LOW

Date Received: 09/08/96

% Moisture: not dec. 10

Date Analyzed: 09/18/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organics	111	U
------------------------------	-----	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002D1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-11

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1L205

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 09/12/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

91-20-3-----	naphthalene	367	U
91-58-7-----	2-chloronaphthalene	367	U
209-96-8-----	acenaphthylene	367	U
83-32-9-----	acenaphthene	367	U
86-73-7-----	fluorene	367	U
85-01-8-----	phenanthrene	367	U
120-12-7-----	anthracene	367	U
206-44-0-----	fluoranthene	367	U
129-00-0-----	pyrene	367	U
56-55-3-----	benzo (a) anthracene	367	U
218-01-9-----	chrysene	367	U
205-99-2-----	benzo (b) fluoranthene	367	U
207-08-9-----	benzo (k) fluoranthene	367	U
50-32-8-----	benzo (a) pyrene	367	U
193-39-5-----	indeno (1,2,3-cd) pyrene	367	U
53-70-3-----	dibenz (a,h) anthracene	367	U
191-24-2-----	benzo (g,h,i) perylene	367	U

U

↓

FORM I SV-1

DATA VALIDATED
3/90

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Y119

% Moisture: 1 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/10/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	5.0 U	↓
108-88-3-----	Toluene	5.0 U	
100-41-4-----	Ethylbenzene	5.0 U	
1330-20-7-----	Xylenes (total)	5.0 U	

Lab Sample ID
COPY

FORM 1
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002A1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-13

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2L20038

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 09/10/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
-----Diesel Range Organics		2.7	=

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1Z321

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. 6 Date Analyzed: 09/11/96

GC Column: J&W DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

-----	Gasoline Range Organics	106	U
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05 C05

DATA VALUE
COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002A1

Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2L220

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 6 decanted: (Y/N) N Date Extracted: 09/10/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	348	U
91-58-7	2-chloronaphthalene	348	U
209-96-8	acenaphthylene	348	U
83-32-9	acenaphthene	348	U
86-73-7	fluorene	348	U
85-01-8	phenanthrene	348	U
120-12-7	anthracene	348	U
206-44-0	fluoranthene	348	U
129-00-0	pyrene	348	U
56-55-3	benzo (a) anthracene	348	U
218-01-9	chrysene	348	U
205-99-2	benzo (b) fluoranthene	348	U
207-08-9	benzo (k) fluoranthene	348	U
50-32-8	benzo (a) pyrene	348	U
193-39-5	indeno (1,2,3-cd) pyrene	348	U
53-70-3	dibenz (a,h) anthracene	348	U
191-24-2	benzo (g,h,i) perylene	348	U

DATA VALIDATION
COPY

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2002A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z321

% Moisture: 6 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/11/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.3	U	
108-88-3-----Toluene	5.3	U	
100-41-4-----Ethylbenzene	5.3	U	
1339-20-70-----Xylenes (total)	5.3	U	

FORM 1
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001D1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-12

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 1L20020

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 37 decanted: (Y/N) N Date Extracted: 09/11/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
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-----Diesel Range Organics			
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0.55	JB
------	----

UF0, F06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: A1A318

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: not dec. 37 Date Analyzed: 09/18/96

GC Column: J&W DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

-----Gasoline Range Organics	159	U
------------------------------	-----	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001D1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-12

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1L206

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 37 decanted: (Y/N) N Date Extracted: 09/12/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/Kg	
91-20-3	naphthalene	516	U	U ↓
91-58-7	2-chloronaphthalene	516	U	
209-96-8	acenaphthylene	516	U	
83-32-9	acenaphthene	516	U	
86-73-7	fluorene	516	U	
85-01-8	phenanthrene	516	U	
120-12-7	anthracene	516	U	
206-44-0	fluoranthene	516	U	
129-00-0	pyrene	516	U	
56-55-3	benzo(a)anthracene	516	U	
218-01-9	chrysene	516	U	
205-99-2	benzo(b)fluoranthene	516	U	
207-08-9	benzo(k)fluoranthene	516	U	
50-32-8	benzo(a)pyrene	516	U	
193-39-5	indeno(1,2,3-cd)pyrene	516	U	
53-70-3	dibenz(a,h)anthracene	516	U	
191-24-2	benzo(g,h,i)perylene	516	U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001D1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69086S

Matrix: (soil/water) SOIL Lab Sample ID: 9609086-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2Z25

% Moisture: 37 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/10/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	7.9	U	
108-88-3-----Toluene	7.9	U	
100-41-4-----Ethylbenzene	7.9	U	
1330-20-7-----Xylenes (total)	7.9	U	

DATA VALIDATION
COPY

FORM 1
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001B1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-12

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 2L20037

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 9 decanted: (Y/N) N Date Extracted: 09/10/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

-----Diesel Range Organics	1.2	
----------------------------	-----	--

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609087-12

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1Z320

Level: (low/med) LOW

Date Received: 09/08/96

% Moisture: not dec. 9

Date Analyzed: 09/11/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

----- Gasoline Range Organics	110	U
-------------------------------	-----	---

US 45

DATA VALIDATED
CCH

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001B1

Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-12

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 2L219

Level: (low/med) LOW Date Received: 09/08/96

% Moisture: 9 decanted: (Y/N) N Date Extracted: 09/10/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3-----	naphthalene	361 U	U ↓
91-58-7-----	2-chloronaphthalene	361 U	
209-96-8-----	acenaphthylene	361 U	
83-32-9-----	acenaphthene	361 U	
86-73-7-----	fluorene	361 U	
85-01-8-----	phenanthrene	361 U	
120-12-7-----	anthracene	361 U	
206-44-0-----	fluoranthene	361 U	
129-00-0-----	pyrene	361 U	
56-55-3-----	benzo (a) anthracene	361 U	
218-01-9-----	chrysene	361 U	
205-99-2-----	benzo (b) fluoranthene	361 U	
207-08-9-----	benzo (k) fluoranthene	361 U	
50-32-8-----	benzo (a) pyrene	361 U	
193-39-5-----	indeno (1,2,3-cd) pyrene	361 U	
53-70-3-----	dibenz (a,h) anthracene	361 U	
191-24-2-----	benzo (g,h,i) perylene	361 U	

DATA VALIDATION
COPY

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2001B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69087S

Matrix: (soil/water) SOIL Lab Sample ID: 9609087-12

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z320

% Moisture: 9 decanted: (Y/N) N Date Received: 09/08/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/11/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.5	U	
108-88-3-----Toluene	5.5	U	
100-41-4-----Ethylbenzene	5.5	U	
1339-20-70-----Xylenes (total)	5.5	U	

DATA VALIDATION
0027

CHAIN OF CUSTODY RECORD

COC NO.: G00006

PROJECT NAME: Fort Stewart UST Sites PROJECT NUMBER: 0003 PROJECT MANAGER: Chris Potter Sampler (Signature): <i>Sharon Stoller</i> (Printed Name): SHARON STOLLER				LABORATORY NAME: GEL LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417 PHONE NO: (803) 556-8171 OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS:													
Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS										DVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
				BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, LEAD, TPH	PAH, TPH	PAH, DRO	No. of Bottles/Vials				
0302A1	9/7/96	1545	SOIL	1											2	0 ppm	
0302B1	9/7/96	1550	SOIL	1											2	19.8 ppm	
2002D1	9/7/96	1440	SOIL	1											2	2.3 ppm	
2001B1	9/7/96	1200	SOIL	1											2	3.2 ppm	
2002A1	9/7/96	1430	SOIL	1											2	3.6 ppm	
0301B1	9/7/96	1453	SOIL	1											2	24.8 ppm	
2001D1	9/7/96	1213	SOIL	1											1	2.7 ppm	
0402B1	9/7/96	1005	SOIL	1											2	39.0 ppm	
0401B1	9/7/96	0900	SOIL	1											2	22.1 ppm	
1507A1	9/7/96	1009	SOIL	1											2	4.7 ppm	
				RECEIVED BY:		Date/Time		TOTAL NUMBER OF CONTAINERS:		Cooler ID:		Cooler Temperature:					
				COMPANY NAME:		Date/Time		Cooler ID: #151		Cooler Temperature: 5							
				RELINQUISHED BY:		Date/Time											
				COMPANY NAME:		Date/Time											
				RELINQUISHED BY:		Date/Time											
				COMPANY NAME:		Date/Time											
				RECEIVED BY:		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
				COMPANY NAME:		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
				RELINQUISHED BY:		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
				COMPANY NAME:		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	

APPENDIX C-7

**Facility ID #9-089113
UST 51**

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902W2

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082L

Matrix: (soil/water) WATER Lab Sample ID: 9609082-27

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K356

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	10.0	U
91-58-7-----	2-chloronaphthalene	10.0	U
209-96-8-----	acenaphthylene	10.0	U
83-32-9-----	acenaphthene	10.0	U
86-73-7-----	fluorene	10.0	U
85-01-8-----	phenanthrene	10.0	U
120-12-7-----	anthracene	10.0	U
206-44-0-----	fluoranthene	10.0	U
129-00-0-----	pyrene	10.0	U
56-55-3-----	benzo (a) anthracene	10.0	U
218-01-9-----	chrysene	10.0	U
205-99-2-----	benzo (b) fluoranthene	10.0	U
207-08-9-----	benzo (k) fluoranthene	10.0	U
50-32-8-----	benzo (a) pyrene	10.0	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.0	U
53-70-3-----	dibenz (a,h) anthracene	10.0	U
191-24-2-----	benzo (g,h,i) perylene	10.0	U

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902W2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082L

Matrix: (soil/water) WATER Lab Sample ID: 9609082-23

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Z215

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. Date Analyzed: 09/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0 1.3	JB
100-41-4-----ethylbenzene	0.26	J
1330-20-7-----xylenes (total)	0.40	J

DATA VALIDATION
COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: GENERAL ENGINEERING LABS. Contract:

1901W2

Lab Code: Case No.: SAS No.: SDG No.: 69082L

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609082-29

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2K358

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 09/09/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
91-20-3	naphthalene	10.0	U	U
91-58-7	2-chloronaphthalene	10.0	U	
209-96-8	acenaphthylene	10.0	U	
83-32-9	acenaphthene	10.0	U	
86-73-7	fluorene	10.0	U	
85-01-8	phenanthrene	10.0	U	
120-12-7	anthracene	10.0	U	
206-44-0	fluoranthene	10.0	U	
129-00-0	pyrene	10.0	U	
56-55-3	benzo (a) anthracene	10.0	U	
218-01-9	chrysene	10.0	U	
205-99-2	benzo (b) fluoranthene	10.0	U	
207-08-9	benzo (k) fluoranthene	10.0	U	
50-32-8	benzo (a) pyrene	10.0	U	
193-39-5	indeno (1,2,3-cd) pyrene	10.0	U	
53-70-3	dibenz (a,h) anthracene	10.0	U	
191-24-2	benzo (g,h,i) perylene	10.0	U	

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901W2

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082L

Matrix: (soil/water) WATER Lab Sample ID: 9609082-21

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Z213

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: not dec. _____ Date Analyzed: 09/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

71-43-2-----benzene	5.0	U	U JB J J F08
108-88-3-----toluene	2.8	JB	
100-41-4-----ethylbenzene	0.69	J	
1330-20-7-----xylenes (total)	3.8	J	

DATA VALIDATION
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9604082

PAGE 2/2

CHAIN OF CUSTODY RECORD

COC NO.: 60004

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL					
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171					
Sampler (Signature) <i>Sharon Stoller</i>				(Printed Name) SHARON STOLLER															
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO						No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
3901C1	9/5/96	1405	SOIL	1	1	1								2	75 ppm	3			
3903A3	9/5/96	1635	SOIL	1			X		X					2	300 ppm	4			
TB00001	9/5/96	0759	LIQUID		2									2	N/A	5			
3901W2	9/5/96	1455	LIQUID		2									2	0 ppm				
3902W2	9/5/96	1235	LIQUID		2									2	0 ppm	very small bubbles both containers			
3903W3	9/5/96	1700	LIQUID		2									2	0 ppm	very small bubbles both containers			
TB00002	9/5/96	0759	LIQUID		2									2	N/A	very small bubbles container 1			
1901W2	9/5/96	1455	LIQUID		2									2	0 ppm				
1901W4	9/5/96	1500	LIQUID		2									2	0 ppm				
1902W2	9/5/96	1810	LIQUID		2									2	0 ppm				
TB00004	9/5/96	0759	LIQUID		2									2	N/A				
2101W2	9/5/96	1625	LIQUID		2									2	205 ppm				
2102W2	9/5/96	1240	LIQUID		2									2	not recorded				
RELINQUISHED BY: <i>Sharon Stoller</i>			Date/Time 9/6/96			RECEIVED BY: <i>Bob Leach</i>			Date/Time 9/6/96			TOTAL NUMBER OF CONTAINERS: 52			Cooler Temperature: 10°				
COMPANY NAME: SAIC			1326			COMPANY NAME: GEN, ENG LABS			1326			Cooler ID: #113			X under requested parameter indicates that requested analyses are in the same jar				
RECEIVED BY:			Date/Time			RELINQUISHED BY: <i>Sharon Stoller</i>			Date/Time 9/6/96										
COMPANY NAME:						COMPANY NAME:			1600										
RELINQUISHED BY:			Date/Time			RECEIVED BY: <i>Sharon Stoller</i>			Date/Time 9-6-96										
COMPANY NAME:						COMPANY NAME: SAIC			1600										



COC NO.: G0002

CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD

[illegible]



CHAIN OF CUSTODY RECORD

COC NO.: GØØØ1

[illegible]

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902E1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-01

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1K20030

% Moisture: 20 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

-----Diesel Range Organics_____	0.39	J
---------------------------------	------	---

J

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902E1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-01

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1Z15

Level: (low/med) LOW

Date Received: 09/06/96

% Moisture: not dec. 20

Date Analyzed: 09/09/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organic-----	74.8	J
----------------------------------	------	---

JHP2

DATA VALIDATION
COPY

FORM I VOA

OLM03.

101

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902E1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4K707

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	415 U	U
106-46-7	1,4-dichlorobenzene	415 U	
621-64-7	N-nitroso-di-n-propylamine	415 U	
120-82-1	1,2,4-trichlorobenzene	415 U	
91-20-3	naphthalene	415 U	
91-58-7	2-chloronaphthalene	415 U	
209-96-8	acenaphthylene	415 U	
83-32-9	acenaphthene	415 U	
86-73-7	fluorene	415 U	
85-01-8	phenanthrene	415 U	
120-12-7	anthracene	415 U	
206-44-0	fluoranthene	415 U	
129-00-0	pyrene	415 U	
56-55-3	benzo(a)anthracene	415 U	
218-01-9	chrysene	415 U	
205-99-2	benzo(b)fluoranthene	415 U	
207-08-9	benzo(k)fluoranthene	415 U	
50-32-8	benzo(a)pyrene	415 U	
193-39-5	indeno(1,2,3-cd)pyrene	415 U	
53-70-3	dibenz(a,h)anthracene	415 U	
191-24-2	benzo(g,h,i)perylene	415 U	

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1902E1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-01

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1A19

% Moisture: 20 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/16/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.2	U	
108-88-3-----Toluene	6.2	U	
100-41-4-----Ethylbenzene	6.2	U	
-----Xylenes (total)	6.2	U	

DATA VALIDATION
COPY

015

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901E1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1K20040

% Moisture: 13 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

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

-----Diesel Range Organics	72.6	=
----------------------------	------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901E1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-10

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1Z119

Level: (low/med) LOW

Date Received: 09/06/96

% Moisture: not dec. 13

Date Analyzed: 09/09/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organic-----	60.2	J
----------------------------------	------	---

J

FORM I VOA

OLM03.

112

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901E1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-10

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4L103

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 13 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	382	U
91-58-7-----	2-chloronaphthalene	382	U
209-96-8-----	acenaphthylene	382	U
83-32-9-----	acenaphthene	382	U
86-73-7-----	fluorene	382	U
85-01-8-----	phenanthrene	382	U
120-12-7-----	anthracene	382	U
206-44-0-----	fluoranthene	382	U
129-00-0-----	pyrene	382	U
56-55-3-----	benzo (a) anthracene	382	U
218-01-9-----	chrysene	382	U
205-99-2-----	benzo (b) fluoranthene	382	U
207-08-9-----	benzo (k) fluoranthene	382	U
50-32-8-----	benzo (a) pyrene	382	U
193-39-5-----	indeno (1,2,3-cd) pyrene	382	U
53-70-3-----	dibenz (a,h) anthracene	382	U
191-24-2-----	benzo (g,h,i) perylene	382	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901E1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-10

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B1Z119

% Moisture: 13 decanted: (Y/N) N

Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/09/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene	5.7	U
108-88-3-----Toluene	5.7	U
100-41-4-----Ethylbenzene	5.7	U
-----Xylenes (total)	5.7	U

DATA VALIDATION
COPY

026

1D
FID ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901B1RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1K7008

% Moisture: 11 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/14/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

-----Diesel Range Organics	3.9	B	= F08
----------------------------	-----	---	-------

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609082-02

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: A1Z110

Level: (low/med) LOW

Date Received: 09/06/96

% Moisture: not dec. 11

Date Analyzed: 09/09/96

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

-----Gasoline Range Organic-----	29.0	J
----------------------------------	------	---

DATA VALIDATION
COPY

FORM I VOA

OLM03.

104

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901B1

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4K710

Level: (low/med) LOW Date Received: 09/06/96

% Moisture: 11 decanted: (Y/N) N Date Extracted: 09/09/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	371	U
91-58-7-----	2-chloronaphthalene	371	U
209-96-8-----	acenaphthylene	371	U
83-32-9-----	acenaphthene	371	U
86-73-7-----	fluorene	371	U
85-01-8-----	phenanthrene	371	U
120-12-7-----	anthracene	371	U
206-44-0-----	fluoranthene	371	U
129-00-0-----	pyrene	371	U
56-55-3-----	benzo (a) anthracene	371	U
218-01-9-----	chrysene	371	U
205-99-2-----	benzo (b) fluoranthene	371	U
207-08-9-----	benzo (k) fluoranthene	371	U
50-32-8-----	benzo (a) pyrene	371	U
193-39-5-----	indeno (1,2,3-cd) pyrene	371	U
53-70-3-----	dibenz (a,h) anthracene	371	U
191-24-2-----	benzo (g,h,i) perylene	371	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1901B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69082S

Matrix: (soil/water) SOIL Lab Sample ID: 9609082-02

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1Z110

% Moisture: 11 decanted: (Y/N) N Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/09/96

Injection Volume: _____ (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	5.6	U
108-88-3-----	Toluene	5.6	U
100-41-4-----	Ethylbenzene	5.6	U
-----	Xylenes (total)	5.6	U

DATA VALIDATION
COPY

018

COC NO.: 90003

CHAIN OF CUSTODY RECORD

500 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600


 Science Applications, an Employee-Owned Company

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME:	
PROJECT NUMBER: 0003														GEL	
PROJECT MANAGER: Chris Potter														LABORATORY ADDRESS:	
Sample (Signature)														2040 Savage Road Charleston, SC 29417	
Sample (Printed Name)														PHONE NO: (803) 556-8171	
Sample ID	Date Collected	Time Collected	Matrix	BTEX, GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	No. of Bottles/Vials:		OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
1902E1	9/5/96	1753	SOIL	1	1	1	1			2	0 ppm		.3		
1901B1	9/5/96	1140	SOIL	1	1	1	1			2	48.5 ppm		↓		
1901E1	9/5/96	1436	SOIL	1	1	1	1			2	0 ppm		.4		
2101C1	9/5/96	1620	SOIL	1	1	1	1			2	384 ppm		.3		
2101B1	9/5/96	1540	SOIL	1	1	1	1			2	253 ppm		↓		
2102C1	9/5/96	1210	SOIL	1	1	1	1			2	317 ppm		.4		
2102B1	9/5/96	1143	SOIL	1	1	1	1			2	471 ppm		.3		
3901B1	9/5/96	1355	SOIL	1	1	1	1			2	0 ppm		.4		
3903C1	9/5/96	1645	SOIL	1	1	1	1			2	1499 ppm		.3		
3903A1	9/5/96	1635	SOIL	1	1	1	1			2	1999 ppm		↓		
3902C1	9/5/96	1155	SOIL	1	1	1	1			2	300 ppm		.4		
3902D1	9/5/96	1210	SOIL	1	1	1	1			2	0 ppm		↓		
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 9/6/96		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9/6/96		TOTAL NUMBER OF CONTAINERS: 52		Cooler Temperature: 10°			
COMPANY NAME: SRA				1326		COMPANY NAME: GEN ENG LABS		1326		Cooler ID: #113					
RECEIVED BY:				Date/Time:		RELINQUISHED BY: <i>[Signature]</i>		Date/Time: 9/6/96		X under requested parameter indicates that requested analyses are in the same jar					
COMPANY NAME:						COMPANY NAME: GEL		1600							
RELINQUISHED BY:				Date/Time:		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9-6-96							
COMPANY NAME:						COMPANY NAME: SRA		1600							

APPENDIX C-6

Facility ID #9-089055
UST 50

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1702W2RE0

Lab Name: GENERAL ENGINEERING LABS Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69425W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609425-07

Sample wt/vol: 485 (g/mL) mL Lab File ID: 4N508

Level: (low/med) LOW Date Received: 09/21/96

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 10/02/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 10/04/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
91-20-3	naphthalene	103	U	US ADI ↓ ↓ USP
91-58-7	2-chloronaphthalene	103	U	
209-96-8	acenaphthylene	103	U	
83-32-9	acenaphthene	103	U	
86-73-7	fluorene	103	U	
85-01-8	phenanthrene	103	U	
120-12-7	anthracene	103	U	
206-44-0	fluoranthene	103	U	
129-00-0	pyrene	103	U	
56-55-3	benzo (a) anthracene	103	U	
218-01-9	chrysene	103	U	
205-99-2	benzo (b) fluoranthene	103	U	
207-08-9	benzo (k) fluoranthene	103	U	
50-32-8	benzo (a) pyrene	103	U	
193-39-5	indeno (1,2,3-cd) pyrene	103	U	
53-70-3	dibenz (a,h) anthracene	103	U	
191-24-2	benzo (g,h,i) perylene	103	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1702W2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69424W

Matrix: (soil/water) WATER Lab Sample ID: 9609424-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1C428

Level: (low/med) LOW Date Received: 09/21/96

% Moisture: not dec. Date Analyzed: 10/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

71-43-2-----benzene	5.0	U	U
108-88-3-----toluene	5 0.36	JB	U FD1, FD6
100-41-4-----ethylbenzene	5.0	U	U
1330-20-7-----xylenes (total)	5.0	U	U

MAP
12/24/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1701W2RE0

Lab Name: GENERAL ENGINEERING LABS Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69425W
 Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609425-05
 Sample wt/vol: 500 (g/mL) mL Lab File ID: 8M404
 Level: (low/med) LOW Date Received: 09/21/96
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 10/02/96
 Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 10/04/96
 Injection Volume: 1.0 (uL) Dilution Factor: 4.0
 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
91-20-3	-----naphthalene	40.0	U	US API ↓ ↓
91-58-7	-----2-chloronaphthalene	40.0	U	
209-96-8	-----acenaphthylene	40.0	U	
83-32-9	-----acenaphthene	40.0	U	
86-73-7	-----fluorene	40.0	U	
85-01-8	-----phenanthrene	40.0	U	
120-12-7	-----anthracene	40.0	U	
206-44-0	-----fluoranthene	40.0	U	
129-00-0	-----pyrene	40.0	U	
56-55-3	-----benzo (a) anthracene	40.0	U	
218-01-9	-----chrysene	40.0	U	
205-99-2	-----benzo (b) fluoranthene	40.0	U	
207-08-9	-----benzo (k) fluoranthene	40.0	U	
50-32-8	-----benzo (a) pyrene	40.0	U	
193-39-5	-----indeno (1,2,3-cd) pyrene	40.0	U	
53-70-3	-----dibenz (a,h) anthracene	40.0	U	
191-24-2	-----benzo (g,h,i) perylene	40.0	U	

USP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1701W2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69424W

Matrix: (soil/water) WATER Lab Sample ID: 9609424-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1C427

Level: (low/med) LOW Date Received: 09/21/96

% Moisture: not dec. Date Analyzed: 10/03/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

71-43-2-----benzene	5.0	U	U
108-88-3-----toluene	5 0.38	JB	U F01, F06
100-41-4-----ethylbenzene	5.0	U	U
1330-20-7-----xylenes (total)	5.0	U	U

MAP
12/24/11



COC NO.: 644717

CHAIN OF CUSTODY RECORD

FILE 3741

[illegible]



COC NO.: 64084

CHAIN OF CUSTODY RECORD

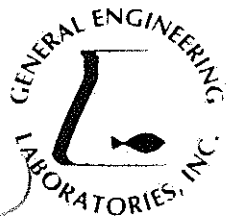
[illegible]



COC NO.: 64283

CHAIN OF CUSTODY RECORD

[illegible]



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a system for tomorrow.

Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.

P.O. Box 2502

800 Oak Ridge Turnpike

Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedtke

Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 25, 1996

Page 1 of 2

Sample ID : 1702B1
Lab ID : 9609427-03
Matrix : Soil
Date Collected : 09/20/96
Date Received : 09/21/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		10.0	1.00	1.00	wt%	1.0	JDB	10/02/96	1550	91524	1
General Chemistry											
Total Rec. Petro. Hydrocarbons		14.9	7.50	11.1	mg/kg	1.0	EAN	09/26/96	1300	91171	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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9609427-03

DATA VALIDATION
CCTT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1702B1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69427S

Matrix: (soil/water) SOIL Lab Sample ID: 9609427-03

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1N410

Level: (low/med) LOW Date Received: 09/21/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 10/03/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/04/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

91-20-3-----	naphthalene	364	U
91-58-7-----	2-chloronaphthalene	364	U
209-96-8-----	acenaphthylene	364	U
83-32-9-----	acenaphthene	364	U
86-73-7-----	fluorene	364	U
85-01-8-----	phenanthrene	364	U
120-12-7-----	anthracene	364	U
206-44-0-----	fluoranthene	364	U
129-00-0-----	pyrene	364	U
56-55-3-----	benzo (a) anthracene	364	U
218-01-9-----	chrysene	364	U
205-99-2-----	benzo (b) fluoranthene	364	U
207-08-9-----	benzo (k) fluoranthene	364	U
50-32-8-----	benzo (a) pyrene	364	U
193-39-5-----	indeno (1,2,3-cd) pyrene	364	U
53-70-3-----	dibenz (a,h) anthracene	364	U
191-24-2-----	benzo (g,h,i) perylene	364	U

DATA VALIDATION

COPY

1D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

1702B1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69427S

Matrix: (soil/water) SOIL Lab Sample ID: 9609427-03

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1C46

% Moisture: 10 decanted: (Y/N) N Date Received: 09/21/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

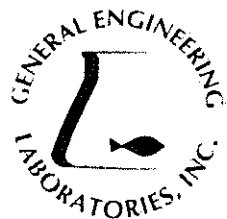
Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/03/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----	Benzene	5.6	U
108-88-3-----	Toluene	5.6	U
100-41-4-----	Ethylbenzene	5.6	U
1330-20-7-----	Xylenes (total)	5.6	U



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow

Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 25, 1996

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Sample ID : 1701A1
Lab ID : 9609427-04
Matrix : Soil
Date Collected : 09/20/96
Date Received : 09/21/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		18.0	1.00	1.00	wt%	1.0	JDB	10/02/96	1550	91524	1
General Chemistry											
Total Rec. Petro. Hydrocarbons B		99.6 = F08	8.25	12.2	mg/kg	1.0	EAN	09/26/96	1300	91171	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

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J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

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Data reported in mass/mass units is reported as 'dry weight'.

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9609427-04

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1701A1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69427S

Matrix: (soil/water) SOIL Lab Sample ID: 9609427-04

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 1N411

Level: (low/med) LOW Date Received: 09/21/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 10/03/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/04/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

91-20-3	-----naphthalene	396	U
91-58-7	-----2-chloronaphthalene	396	U
209-96-8	-----acenaphthylene	396	U
83-32-9	-----acenaphthene	396	U
86-73-7	-----fluorene	396	U
85-01-8	-----phenanthrene	396	U
120-12-7	-----anthracene	396	U
206-44-0	-----fluoranthene	396	U
129-00-0	-----pyrene	396	U
56-55-3	-----benzo (a) anthracene	396	U
218-01-9	-----chrysene	396	U
205-99-2	-----benzo (b) fluoranthene	396	U
207-08-9	-----benzo (k) fluoranthene	396	U
50-32-8	-----benzo (a) pyrene	396	U
193-39-5	-----indeno (1,2,3-cd) pyrene	396	U
53-70-3	-----dibenz (a,h) anthracene	396	U
191-24-2	-----benzo (g,h,i) perylene	396	U

1701A1

1D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

1701A1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69427S

Matrix: (soil/water) SOIL Lab Sample ID: 9609427-04

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1C47

% Moisture: 18 decanted: (Y/N) N Date Received: 09/21/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/03/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	6.1	U
108-88-3-----Toluene	6.1	U
100-41-4-----Ethylbenzene	6.1	U
1330-20-7-----Xylenes (total)	6.1	U



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CHAIN OF CUSTODY RECORD

COC NO.: 68857

File 2022

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