

CLOSURE REPORT ADDENDUM

FACILITY IDENTIFICATION #9-089043
UST #201A

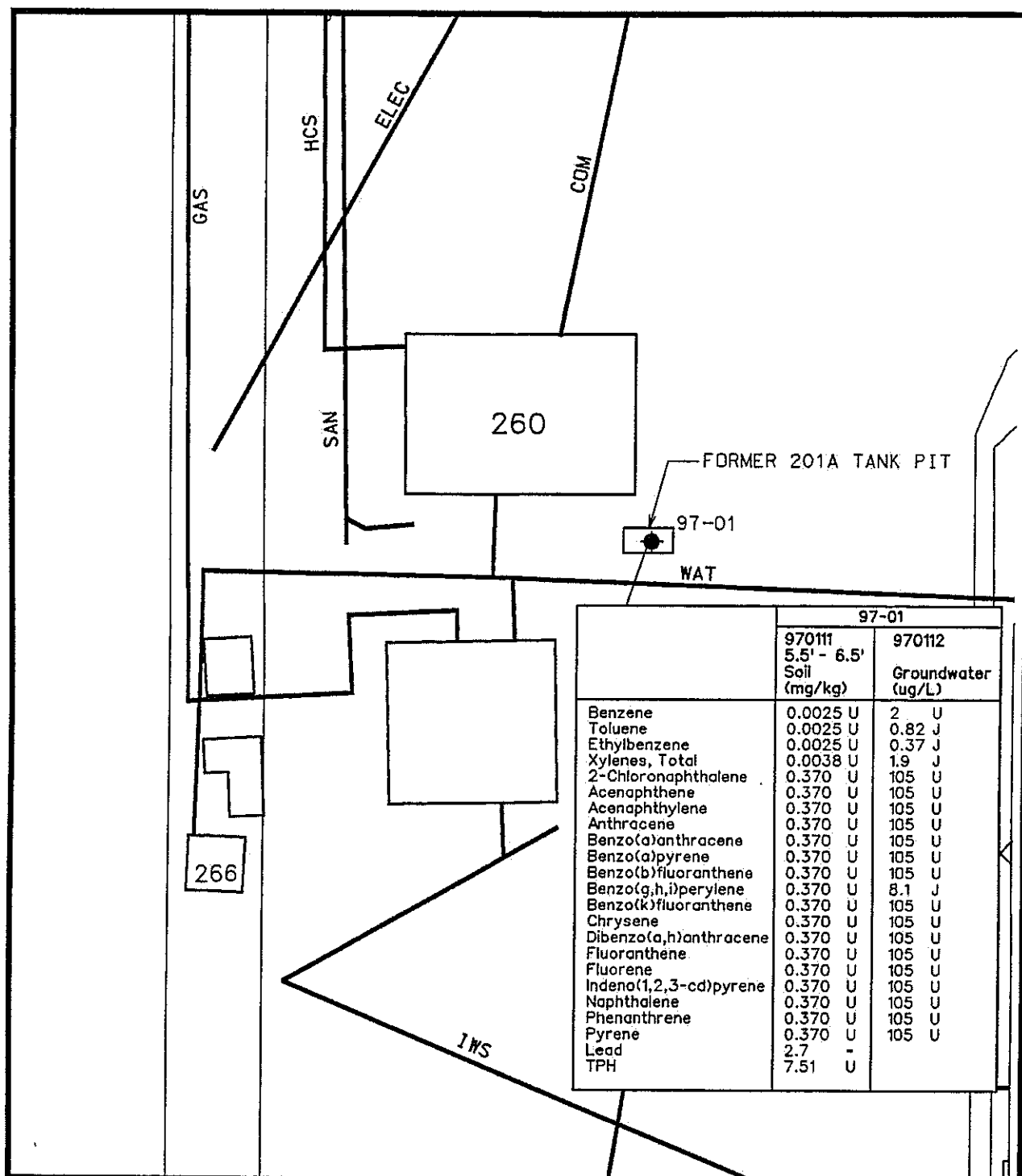
APRIL 30, 1999

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

CLOSURE REPORT ADDENDUM
UST #201A, FACILITY ID. NO. 9-089043

SITE MAPS
TAB 5

Attached is a site map indicating the location of the boring (97-01) installed in February 1999, for resampling of the former UST #201A site. In addition, a soil boring log is provided for your use and convenience.

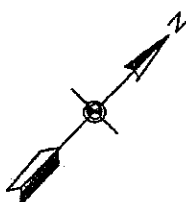


LEGEND

SOIL BORING

0 20 40

SCALE: 1" = 40'



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

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

UST 201A, BUILDING 260
FACILITY ID • 9-089043
SOIL & GROUNDWATER ANALYTICAL
RESULTS (FEB 1999)

DRAWN BY: J. LAMB REV. NO./DATE: 0/04/19/99 CAD FILE: 96016/DCNS/D98C201A.DGN

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UST #201A, FACILITY ID. NO. 9-089043

CLOSURE OF PIPING
TAB 6

The undersigned certifies that the piping associated with former UST #201A, located at Building 260, Fort Stewart, Georgia, was purged and cleaned by our contractor, Anderson Columbia Environmental, prior to abandoning the piping in-place. In-place closure consisted of placing an absorbent sock in the pipe and then grouting the ends (i.e., the end at the tank and the end in the motorpool).

The undersigned also certifies that the piping at this facility, from tank to motorpool, was approximately 10-15 feet. Therefore, in accordance with GUST-9, pipeline sampling is not required.

Name: Thomas C. Fry

Title: Acting Chief, Environmental
& Natural Resources Division

Signature: Thomas C. Fry Date: 04/25/99

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LABORATORY ANALYTICAL DATA
TAB 7

As requested, the site was resampled and the associated analytical data, with a summary table, is attached.

**Table 1. Summary of Soil and Groundwater Analytical Results for the UST 201A site,
Facility ID #9-089043**

Station:		97-01			97-01
Sample ID:	Georgia UST	970111	Federal	In Stream	970112
Sample Interval (ft BGS):	Soil Threshold	5.5' - 6.5'	SWDA	Water Quality	
Collection Date:	Levels	22-Feb-99	MCLs	Standards	22-Feb-99
Units:	(mg/kg)	(mg/kg)	(ug/L)	(ug/L)	(ug/L)
VOLATILE ORGANIC COMPOUNDS					
Benzene	0.008	0.0025 U	5	71.28	2 U
Toluene	10	0.0025 U	1000	200000	0.82 J
Ethylbenzene	6	0.0025 U	700	28718	0.37 J
Xylenes, Total	700	0.0038 U	10000	NRC	1.9 J
POLYNUCLEAR AROMATIC HYDROCARBONS					
2-Chloronaphthalene	NRC	0.370 U	NRC	NRC	105 U
Acenaphthene	NRC	0.370 U	NRC	NRC	105 U
Acenaphthylene	NRC	0.370 U	NRC	NRC	105 U
Anthracene	NRC	0.370 U	NRC	110000	105 U
Benzo(a)anthracene	NRC	0.370 U	NRC	0.0311	105 U
Benzo(a)pyrene	NRC	0.370 U	0.2	0.0311	105 U
Benzo(b)fluoranthene	NRC	0.370 U	NRC	NRC	105 U
Benzo(g,h,i)perylene	NRC	0.370 U	NRC	NRC	8.1 J
Benzo(k)fluoranthene	NRC	0.370 U	NRC	0.0311	105 U
Chrysene	NRC	0.370 U	NRC	0.0311	105 U
Dibenzo(a,h)anthracene	NRC	0.370 U	NRC	0.0311	105 U
Fluoranthene	NRC	0.370 U	NRC	370	105 U
Fluorene	NRC	0.370 U	NRC	14000	105 U
Indeno(1,2,3-cd)pyrene	NRC	0.370 U	NRC	0.0311	105 U
Naphthalene	NRC	0.370 U	NRC	NRC	105 U
Phenanthrene	NRC	0.370 U	NRC	NRC	105 U
Pyrene	NRC	0.370 U	NRC	11000	105 U
Other Analytes					
Lead	NRC	2.7 =			
Total Petroleum Hydrocarbons	NRC	7.51 U			

U Indicates that the compound was not detected above the reported sample quantitation limit

J Indicates that the value for the compound was an estimated value

UJ Indicates that the sample was not detected above an approximate sample quantitation limit

= Indicates that the compound was detected at the concentration reported

NOTE: Elevated PAH detection limits are a result of associated organic compounds such as TPH. During extraction of PAH compounds, all other organic compounds are extracted, causing a wide range of organic compounds to be present; thus, the target PAHs become small peaks in the chromatograph. As a result, the laboratory dilutes the concentrate, in turn elevating the detection limits.

HTRW DRILLING LOG

HOLE NUMBER 97-01

PROJECT: Fort Stewart USTs

INSPECTOR K. Ledbetter

SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		CONCRETE				
	1	SANDY CLAY (CH), 15% fine grained sand, medium plasticity, soft, moist, red (10YR4/8)				
	2	SANDY SILT (ML) 10% fine grained sand, soft, moist, dark brown (10YR3/3)				
	3					
	4					
	5					
	6	SILTY SAND (SM), 20% silt, fine grained, soft, dry, grayish brown (10YR5/2)	0.4ppm		Soil Sample 97011	
	7					WET BELOW 6.5 FT BGS
	8	SILT (ML), soft, wet, black (10YR2/1)				
	9					COLLECTED GROUNDWATER SAMPLE 970112 FROM TEMPORARY PIEZOMETER SCREENED FROM 0.0 TO 10.0 FT BGS
	10					PUSHED TO 10.0 FT BGS TO SET TEMPORARY PIEZOMETER

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

970111

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: FSA09S

Matrix: (soil/water) SOIL Lab Sample ID: 9902838-10

Sample wt/vol: 4.4 (g/mL) G Lab File ID: 2Y416

Level: (low/med) LOW Date Received: 02/22/99

% Moisture: not dec. 10 Date Analyzed: 03/04/99

GC Column: DB624 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
---------	----------	---	---

71-43-2-----benzene	2.5	U	U ↓
108-88-3-----toluene	2.5	U	
100-41-4-----ethylbenzene	2.5	U	
1330-20-7-----xylenes (total)	3.8	U	

FORM I VOA

OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

970111

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: FSA09S

Matrix: (soil/water) SOIL Lab Sample ID: 9902838-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 7I507

Level: (low/med) LOW Date Received: 02/22/99

* Moisture: 10 decanted: (Y/N) N Date Extracted: 02/24/99

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 02/26/99

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	370	U
91-58-7	-----2-chloronaphthalene	370	U
208-96-8	-----acenaphthylene	370	U
83-32-9	-----acenaphthene	370	U
86-73-7	-----fluorene	370	U
85-01-8	-----phenanthrene	370	U
120-12-7	-----anthracene	370	U
206-44-0	-----fluoranthene	370	U
129-00-0	-----pyrene	370	U
56-55-3	-----benzo (a) anthracene	370	U
218-01-9	-----chrysene	370	U
205-99-2	-----benzo (b) fluoranthene	370	U
207-08-9	-----benzo (k) fluoranthene	370	U
50-32-8	-----benzo (a) pyrene	370	U
193-39-5	-----indeno (1,2,3-cd) pyrene	370	U
53-70-3	-----dibenz (a,h) anthracene	370	U
191-24-2	-----benzo (g,h,i) perylene	370	U

DATA
CITY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Ms. Leslie Barbour
Project Description: CAP-Part A and B UST Sites

cc: SAIC00299

Report Date: March 17, 1999

Page 1 of 1

Sample ID : 970111
Lab ID : 9902838-10
Matrix : Soil
Date Collected : 02/22/99
Date Received : 02/22/99
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
General Chemistry											
Total Rec. Petro. Hydrocarbons	U	7.51	4	11.0	22.2	mg/kg	1.0	AAT	03/16/99	1500	144666 1

M = Method

Method-Description

M 1

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.

This data report has been prepared and reviewed
in accordance with General Engineering Laboratories
standard operating procedures. Please direct
any questions to your Project Manager, Valerie Davis at (843) 769-7391.

Reviewed By

Janet H. L...



Form 1: Inorganic Analyses Data Sheet

SDG No.: FSA09S

Method Type: Total Metals

Sample ID: 9902838-10

Client ID: 970111

Contract: SAIC00299

Lab Code: GEL

Case No.:

SAS No.:

Matrix: SOIL

Date Received: 2/22/99

Level: LOW

% Solids: 90.00

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7439-92-1	Lead	2.7	mg/kg			P	0.15	TJA61 Trace ICPAES	990308-1

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

970112

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: FSA10W

Matrix: (soil/water) WATER Lab Sample ID: 9902839-02

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8Y515

Level: (low/med) LOW Date Received: 02/22/99

% Moisture: not dec. _____ Date Analyzed: 03/05/99

GC Column: DB-624 ID: 0.25 (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	2.0 U	J ↓
108-88-3-----	toluene	0.82 J	
100-41-4-----	ethylbenzene	0.37 J	
1330-20-7-----	xlenes (total)	1.9 J	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

970112

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: FSA10W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9902839-02

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 7I710

Level: (low/med) LOW Date Received: 02/22/99

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 02/24/99

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 02/28/99

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	105	U	U ↓ J
91-58-7	-----2-chloronaphthalene	105	U	
208-96-8	-----acenaphthylene	105	U	
83-32-9	-----acenaphthene	105	U	
86-73-7	-----fluorene	105	U	
85-01-8	-----phenanthrene	105	U	
120-12-7	-----anthracene	105	U	
206-44-0	-----fluoranthene	105	U	
129-00-0	-----pyrene	105	U	
56-55-3	-----benzo (a) anthracene	105	U	
218-01-9	-----chrysene	105	U	
205-99-2	-----benzo (b) fluoranthene	105	U	
207-08-9	-----benzo (k) fluoranthene	105	U	
50-32-8	-----benzo (a) pyrene	105	U	
193-39-5	-----indeno (1,2,3-cd) pyrene	105	U	
53-70-3	-----dibenz (a,h) anthracene	105	U	
191-24-2	-----benzo (g,h,i) perylene	8.1	J	

FORM I SV-1

OLM03.0

