APPENDIX A

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

SAMPLE COLLECTION LOGS

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: S00-120999-OSK

Site: **Trenches West of Iron Mountain Road (Parc**

Location Code: **FTA-500-GP01**

Sample Number: **CG0001**

Sample Name: **FTA-500-GP01-SS-CG0001-REG**

Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99

Collection Time: 1510

Start Depth: 0

End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID= 0.0

Sketch Location:

See sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-GP01
Sample Number: CG0002
Sample Name: FTA-500-GP01-DS-CG0002-REG
Sampling Method: DP

Collection Date: 12/09/99
Collection Time: 1530
Start Depth: 2
End Depth: 4

Sample Team: James Dendy
Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: refusal at 4.0' bgs PID=0.0

Sketch Location:

See sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: **Trenches West of Iron Mountain Road (Parc**

Location Code: **FTA-500-GP02**

Sample Number: **CG0003**

Sample Name: **FTA-500-GP02-SS-CG0003-REG**

Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99

Collection Time: 1600

Start Depth: 0

End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID = 0.0

Sketch Location:

See Sample # CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSA

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-GP02

Sample Number: CG0004

Sample Name: FTA-500-GP02-DS-CG0004-REG

Sampling Method: DP

Collection Date: 12/09/99

Collection Time: 1610

Start Depth: 2

End Depth: 4

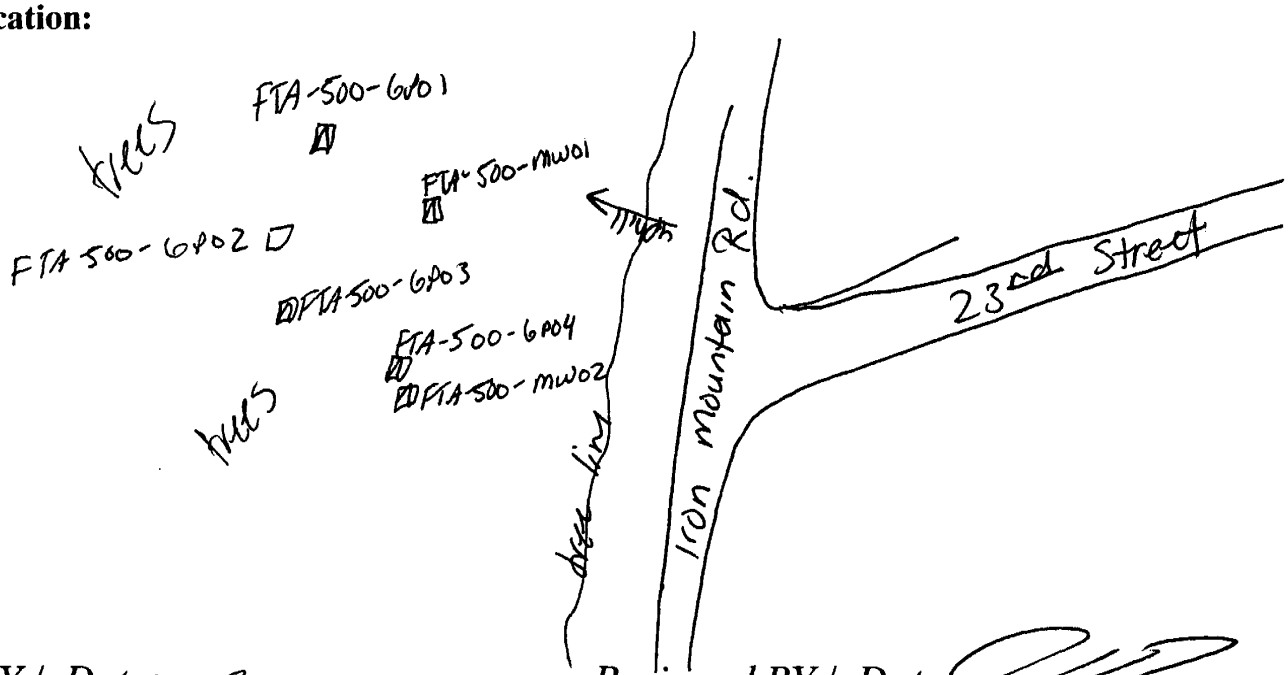
Sample Team: James Jendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: refusal at 4.0' bgs. PID-0.0

Sketch Location:



Logged BY / Date: James Jendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-R0999-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-GP03

Sample Number: CG0005

Sample Name: FTA-500-GP03-SS-CG0005-REG

Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99

Collection Time: 1300

Start Depth: 0

End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID= 1.2-+400 15.0, refusal at 3.5-bgs

Sketch Location:

See sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-GP03

Sample Number: CG0006

Sample Name: FTA-500-GP03-DS-CG0006-REG

Sampling Method: DP

Collection Date: 12/09/99

Collection Time: 1315

Start Depth: 2

End Depth: 3.5

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID=1.2-2.6

Sketch Location:

See Sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-GP04

Sample Number: CG0007

Sample Name: FTA-500-GP04-SS-CG0007-REG

Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99

Collection Time: 1620

Start Depth: 0

End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID = 0.0

Sketch Location:

See CG0004

Logged BY / Date: [signature] 12/09/99

Reviewed BY / Date: [signature] 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-GP04

Sample Number: CG0008

Sample Name: FTA-500-GP04-DS-CG0008-REG

Sampling Method: DP

Collection Date: 12/10/99

Collection Time: ~~1630~~ 0830

Start Depth: ~~30~~ 2

End Depth: 3

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID = 3.2 @ 3.0' bgs., refusal at 4.0' bgs.

Sketch Location:

See Sample CG0004

Logged BY / Date: 12/10/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-MW01
Sample Number: CG0009
Sample Name: FTA-500-MW01-SS-CG0009-REG
Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99
Collection Time: 1340
Start Depth: 0
End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID= ~~10-49 ppm~~ 0.0 (0'-2')

Sketch Location:

See Sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-QSK

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-MW01
Sample Number: CG0009-MS
Sample Name: FTA-500-MW01-SS-CG0009-MS
Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99
Collection Time: 1340
Start Depth: 0
End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID=0.0

Sketch Location:

See Sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-05K

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-MW01
Sample Number: CG0009-MSD
Sample Name: FTA-500-MW01-SS-CG0009-MSD
Sampling Method: ~~HA~~ DP

Collection Date: 12/09/99
Collection Time: 1340
Start Depth: 0
End Depth: 1

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID=0.0

Sketch Location:

See sample C60004

Logged BY / Date: James Dendy 12/09/1999

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-120999-Osk

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-MW01
Sample Number: CG0010
Sample Name: FTA-500-MW01-DS-CG0010-REG
Sampling Method: DP

Collection Date: 12/09/99
Collection Time: 1420

Start Depth: 6
End Depth: 8

Sample Team: James Dendy
Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID=0.0, refusal at 8.0' bgs.

Sketch Location:

See Sample CG0004

Logged BY / Date: James Dendy 12/09/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-070400-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW01

Sample Number: CG3001

Sample Name: FTA-500-MW01-GW-CG3001-REG

Sampling Method: SP

Collection Date: 07-04-00

Collection Time: 1250

Start Depth: 46.76

End Depth: 48.66

Sample Team: ALLEN

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

Volatiles & METALS pH Less than 2.

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1134	46.76	START						
	1142	47.93	140	4.68	.020	179	7.40	22.2	1.8
	1158	48.29	205	4.42	.016	51.1	7.80	20.1	3.6
	1214	48.61	190	4.05	.015	24.2	7.81	20.2	5.4
	1229	48.57	195	4.05	.015	12.4	7.90	20.3	7.2
	1243	48.66	190	4.11	.017	9.11	7.67	20.2	9.0
Sample:									

DTW	TD	WC	PV	PID	Bckgn
46.76	57.91	11.15	1.8	6.8	0.1

Logged BY / Date: DeKalb 7-4-00

Reviewed BY / Date: 08/24/00

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-070400-QSK

Site: Trenches West of Iron Mountain Road (Parc
Location Code: FTA-500-MW01
Sample Number: CG3001-MS
Sample Name: FTA-500-MW01-GW-CG3001-MS
Sampling Method: SP

Collection Date: 7-4-00
Collection Time: 1250

Start Depth: 46.76
End Depth: 48.66

Sample Team: Allen

Volatiles & metals pH less than.

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
See purge record for CG3001									
Sample:									

DTW	TD	WC	PV	PID	Bckgw
46.76	57.91	11.15	1.8	6.8	0.1

Logged BY / Date: DeKaen 7400

Reviewed BY / Date: 08/24/00

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-070400-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW01

Sample Number: CG3001-MSD

Sample Name: FTA-500-MW01-GW-CG3001-MSD

Sampling Method: SP

Collection Date: 7-4-00

Collection Time: 1250

Start Depth: 46.76

End Depth: 48.66

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

Volatiles & metals pH less than 2

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
See purge record for CG3001									
Sample:									

DTW	TD	WC	PV	PID	Backgn
46.76	57.91	11.15	1.8	0.8	0.1

Logged BY / Date: DaKaee 7-4-00

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121499-0SK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG0011

Sample Name: FTA-500-MW02-SS-CG0011-REG

Sampling Method: HA

Collection Date: 12-14-99

Collection Time: 1220

Start Depth: Ø

End Depth: 12"

Sample Team: Allen, Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: Slightly organic - PID .3 Bckgrn 0.0
Brown ~~highly~~ slightly organic silt to Red-brown silty Clay

Sketch Location:

Logged BY / Date: DeKAee 12-14-99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121999-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG0012

Sample Name: FTA-500-MW02-SS-CG0012-FD

Sampling Method: HA

Collection Date: 12-14-99

Collection Time: 1220

Start Depth: 0'

End Depth: 12"

Sample Team: Allen, Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: slightly organic PID .3 Bckgd: 0.0
Brown slightly organic silt to Red Brown silty clay

Sketch Location:

Logged BY / Date: 12-14-99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

SADL

RFA / COC Number: 500-121999-Ø

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG0013

Sample Name: FTA-500-MW02-SS-CG0013-FS

Sampling Method: HA

Collection Date: 12-14-99

Collection Time: 1220

Start Depth: 0"

End Depth: 12"

Sample Team: Allen, Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: Slightly organic PID .3 Bckgn: 0.0
Brown slightly organic silt to Red Brown silty clay

Sketch Location:

Logged BY / Date: DeKa 12-14-99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-Q5K

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG0014

Sample Name: FTA-500-MW02-DS-CG0014-REG

Sampling Method: DP

Collection Date: 12/10/99

Collection Time: 0845

Start Depth: 2

End Depth: 4

Sample Team: James Dendy

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
NITROAROMATI	N	C	1	8	oz	CWM

Comments: PID = 0.0, refusal at 4.0' bgs.

Sketch Location:

See sample C60004

Logged BY / Date: James Dendy 12/10/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-061500-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG3002

Sample Name: FTA-500-MW02-GW-CG3002-REG

Sampling Method: SP

Collection Date: 6-15-00

Collection Time: 1445

Start Depth: 49.08

End Depth: 61.24

Sample Team: Allen

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

Slight sheen on purge water

Volatiles + METAL pH Less than 2. *4" mud @ Bottom of Column

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1200 ~~1145~~	49.08							
	1209	50.80	90	5.59	.060	999+	3.72	25.0	1 GAL
	1230	52.75	110	5.36	.044	999+	3.88	21.0	4.1
	1259	54.91	155	5.42	.066	762	3.62	19.9	8.2
	1331	57.94	160	5.55	.079	381	3.02	20.0	12.3
	1402	58.99	145	5.28	.060	250	3.10	20.8	16.4
	1432	61.24	140	5.35	.095	240	3.09	20.1	20.5
Sample:									

DTW	TD	WC	PV
49.08	74.22	25.14	4.1 gal

Logged BY / Date: 6-15-00

Reviewed BY / Date: 6/23/00

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-061500-QSK

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG3003

Sample Name: FTA-500-MW02-GW-CG3003-FD

Sampling Method: SP

Collection Date: 6-15-00

Collection Time: 1445

Start Depth: 49.08

End Depth: 61.24

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

Slight Sheen on Purge water

VOLATILES @ pH Less than 2.

* 4" Mud @ Bottom of Column

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
See	Purge	record	for	CG	3002				
Sample:									

DTW	TD	WC	PV
49.08	74.22	25.14	4.1

Logged BY / Date: D. K. Oe 6-15-00

Reviewed BY / Date: 06/28/00

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-061500-SAAL

Site: Trenches West of Iron Mountain Road (Parc

Location Code: FTA-500-MW02

Sample Number: CG3004

Sample Name: FTA-500-MW02-GW-CG3004-FS

Sampling Method: SP

Collection Date: 6-15-00

Collection Time: 1445

Start Depth: 49.08

End Depth: 61.24

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
NITROAROMATIC	N	D	1	1	L	Amb. Glass

Slight Sheen on Purge Water

Volatiles & metal pH less than 2.

* 4" mud on bottom of Column

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
See	Purge	Record	for	CG	3002				
Sample:									

DTW	TD	WC	PV
49.08	74.22	25.14	4.1 gal

Logged BY / Date: DKC 6-15-00

Reviewed BY / Date: 08/23/00

ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS

H9L100275

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-120999-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 10-DEC-99
ab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☐ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 12/09/99 Time: 0900	1. Received By (Signature/Affiliation)	Date: 12/10/99 Time: 0900
2. Relinquished By (Signature/Affiliation)	Date: 12/09/99 Time: 1430	2. Received By (Signature/Affiliation) Justin Wilson	Date: 12-10-99 Time: 14:30
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd at 2°C
Custody Seals Intact
JW 12-10-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG0001	FTA-500-GP01-SS-CG0001-REG	09-DEC-99	15:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0001	FTA-500-GP01-SS-CG0001-REG	09-DEC-99	15:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0001	FTA-500-GP01-SS-CG0001-REG	09-DEC-99	15:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0002	FTA-500-GP01-DS-CG0002-REG	09-DEC-99	15:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0002	FTA-500-GP01-DS-CG0002-REG	09-DEC-99	15:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0002	FTA-500-GP01-DS-CG0002-REG	09-DEC-99	15:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0003	FTA-500-GP02-SS-CG0003-REG	09-DEC-99	16:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		

H9L100275

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-120999-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG0003	FTA-500-GP02-SS-CG0003-REG	09-DEC-99	16:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0003	FTA-500-GP02-SS-CG0003-REG	09-DEC-99	16:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0004	FTA-500-GP02-DS-CG0004-REG	09-DEC-99	16:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0004	FTA-500-GP02-DS-CG0004-REG	09-DEC-99	16:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0004	FTA-500-GP02-DS-CG0004-REG	09-DEC-99	16:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0005	FTA-500-GP03-SS-CG0005-REG	09-DEC-99	13:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0005	FTA-500-GP03-SS-CG0005-REG	09-DEC-99	13:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0005	FTA-500-GP03-SS-CG0005-REG	09-DEC-99	13:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0006	FTA-500-GP03-DS-CG0006-REG	09-DEC-99	13:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0006	FTA-500-GP03-DS-CG0006-REG	09-DEC-99	13:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0006	FTA-500-GP03-DS-CG0006-REG	09-DEC-99	13:15	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0007	FTA-500-GP04-SS-CG0007-REG	09-DEC-99	16:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0007	FTA-500-GP04-SS-CG0007-REG	09-DEC-99	16:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0007	FTA-500-GP04-SS-CG0007-REG	09-DEC-99	16:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0009	FTA-500-MW01-SS-CG0009-REG	09-DEC-99	13:40	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0009	FTA-500-MW01-SS-CG0009-REG	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0009	FTA-500-MW01-SS-CG0009-REG	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MS	09-DEC-99	13:40	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MS	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MS	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MSD	09-DEC-99	13:40	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MSD	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0009-MS	FTA-500-MW01-SS-CG0009-MSD	09-DEC-99	13:40	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0010	FTA-500-MW01-DS-CG0010-REG	09-DEC-99	14:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0010	FTA-500-MW01-DS-CG0010-REG	09-DEC-99	14:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0010	FTA-500-MW01-DS-CG0010-REG	09-DEC-99	14:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		

H94100298

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-121099-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 10-DEC-99
ab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: IT PERSONNEL/JAMES DENDY

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 12/10/99 Time: 1105	1. Received By (Signature/Affiliation) James Dendy IT Corp	Date: 12/10/99 Time: 1105
2. Relinquished By (Signature/Affiliation) IT Corp	Date: 12/10/99 Time: 1600	2. Received By (Signature/Affiliation) David D. Flora	Date: 12-10-99 Time: 1600
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd Temp 3°C
Custody seals intact
D.F. 12-10-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG0008	FTA-500-GP04-DS-CG0008-REG	10-DEC-99	08:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0008	FTA-500-GP04-DS-CG0008-REG	10-DEC-99	08:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0008	FTA-500-GP04-DS-CG0008-REG	10-DEC-99	08:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0014	FTA-500-MW02-DS-CG0014-REG	10-DEC-99	08:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0014	FTA-500-MW02-DS-CG0014-REG	10-DEC-99	08:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0014	FTA-500-MW02-DS-CG0014-REG	10-DEC-99	08:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		

179L150108

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-121499-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 14-DEC-99
ab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) EFCorp	Date: 12/14/99 Time: 1300	1. Received By (Signature/Affiliation) David D. Flores	Date: 12-15-99 Time: 0900
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd Temp 3°C
Custody seals intact
D.F. 12-15-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG0011	FTA-500-MW02-SS-CG0011-REG	14-DEC-99	12:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0011	FTA-500-MW02-SS-CG0011-REG	14-DEC-99	12:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0011	FTA-500-MW02-SS-CG0011-REG	14-DEC-99	12:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG0012	FTA-500-MW02-SS-CG0012-FD	14-DEC-99	12:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CG0012	FTA-500-MW02-SS-CG0012-FD	14-DEC-99	12:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CG0012	FTA-500-MW02-SS-CG0012-FD	14-DEC-99	12:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by 8330	N		

1-0F160315

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-061500-QSK

Project Number: 780567
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 16 JUN 2000
Lab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Quality Express/Courier

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923
Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	O.L. Allen	Date: 6-16-00 Time: 0810	1. Received By (Signature/Affiliation) Robert E. Myers	Date: 6-16-00 Time: 08:10
2. Relinquished By (Signature/Affiliation)	Robert E. Myers	Date: 6-16-00 Time: 15:50	2. Received By (Signature/Affiliation) David D. Fox	Date: 6-16-00 Time: 15:50
3. Relinquished By (Signature/Affiliation)		Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: None

Rec'd Temp 3°C
Custody seals intact
DF 6-16-00

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	40 ml VOA VIAL	3	HCl<pH 2	Volatiles by 8260B	N		
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L Amb. Glass	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L Amb. Glass	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
061500-ER2	FIELDQC-BW-061500-ER2-ER	15 JUN 2000	15:00	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		
061500-TB	FIELDQC-BW-061500-TB-TB	15 JUN 2000	07:30	40 ml VOA VIAL	2	HCl<pH 2	Volatiles by 8260B	N		

4OF160315

IT CORPORATION

A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-061500-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG3002	FTA-500-MW02-GW-CG3002-REG	15 JUN 2000	14:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG3002	FTA-500-MW02-GW-CG3002-REG	15 JUN 2000	14:45	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CG3002	FTA-500-MW02-GW-CG3002-REG	15 JUN 2000	14:45	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CG3002	FTA-500-MW02-GW-CG3002-REG	15 JUN 2000	14:45	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CG3003	FTA-500-MW02-GW-CG3003-FD	15 JUN 2000	14:45	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CG3003	FTA-500-MW02-GW-CG3003-FD	15 JUN 2000	14:45	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CG3003	FTA-500-MW02-GW-CG3003-FD	15 JUN 2000	14:45	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CG3003	FTA-500-MW02-GW-CG3003-FD	15 JUN 2000	14:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
XX0050	CONC-SUMP-IDWW-XX0050-REG	15 JUN 2000	12:00	40 ml VOA VIAL	3	HCl<pH 2	Volatiles by 8260B	N		
XX0050	CONC-SUMP-IDWW-XX0050-REG	15 JUN 2000	12:00	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
XX0050	CONC-SUMP-IDWW-XX0050-REG	15 JUN 2000	12:00	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

HO6000176

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-070400-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: Normal

Samples Shipment Date: 06 JUL 2000
Lab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Quality Express/Courier

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 7-6-00 Time: 0800	1. Received By (Signature/Affiliation)	Date: 7-6-00 Time: 0800
2. Relinquished By (Signature/Affiliation)	Date: 7-6-00 Time: 13:42	2. Received By (Signature/Affiliation)	Date: 7-6-00 Time: 1342
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: None

Rec'd Temp
Custody seals intact
D.F. 7-6-00 Hand Del.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
070400-TB	FIELDQC-BW-070400-TB-TB	04 JUL 2000	7:30	40 ml VOA VIAL	2	HCl<pH 2	Volatiles by 8260B	N		
CG3001	FTA-500-MW01-GW-CG3001-REG	04 JUL 2000	12:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CG3001	FTA-500-MW01-GW-CG3001-REG	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CG3001	FTA-500-MW01-GW-CG3001-REG	04 JUL 2000	12:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CG3001	FTA-500-MW01-GW-CG3001-REG	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG3001-MS	FTA-500-MW01-GW-CG3001-MS	04 JUL 2000	12:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CG3001-MS	FTA-500-MW01-GW-CG3001-MS	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG3001-MS	FTA-500-MW01-GW-CG3001-MS	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		

IT CORPORATION

A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 500-070400-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CG3001-MS	FTA-500-MW01-GW-CG3001-MS	04 JUL 2000	12:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CG3001-MSD	FTA-500-MW01-GW-CG3001-MSD	04 JUL 2000	12:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		↓
CG3001-MSD	FTA-500-MW01-GW-CG3001-MSD	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
CG3001-MSD	FTA-500-MW01-GW-CG3001-MSD	04 JUL 2000	12:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CG3001-MSD	FTA-500-MW01-GW-CG3001-MSD	04 JUL 2000	12:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		

APPENDIX B

BORING LOGS AND WELL CONSTRUCTION LOGS

BORING LOGS

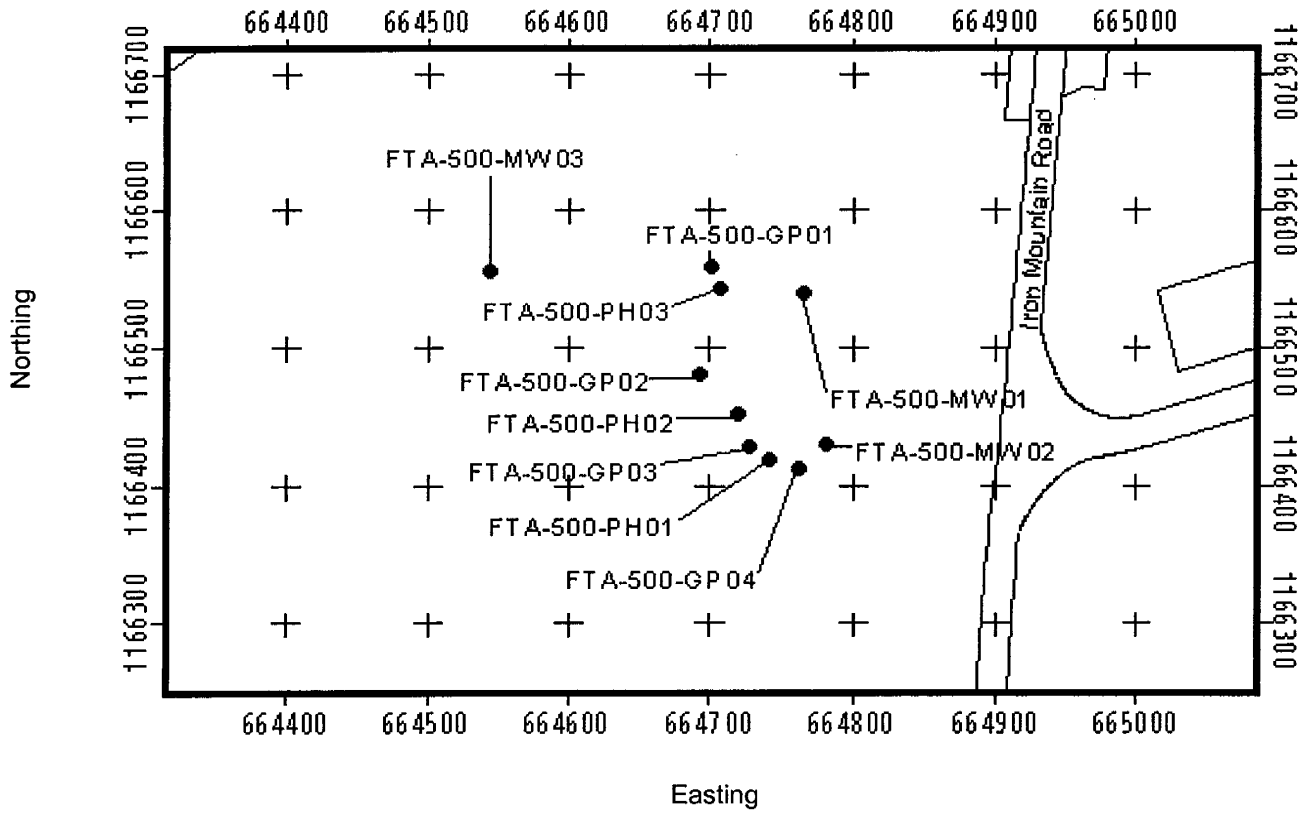
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-GP01
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg Drilling	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: Sammy McDaniels	6. Mfr. designation of drill: TD1 Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push 2"x2' acetate-lined sampler	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500
	9. Surface elevation (feet above mean sea level): 843.90
	10. Date started: 12/09/99 — 11. Date completed: 12/09/99
12. Overburden thickness (feet bgs): >4	15. Depth groundwater encountered (feet bgs): Not Encountered
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 4	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: James Dendy		
	X					

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-GP01

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	ml: Brown SILT, some Sand. Noted Organics.	ml		Organic Vapor = 0.0ppm		CG0001		Rec 24"/24"
	1								
	2	ml: Brown SILT, some Sand. Noted Organics.	ml		Organic Vapor = 0.0ppm		CG0002		Rec 24"/24"
	3								
840	4								Direct push refusal at 4' bgs. Bottom of borehole at 4' bgs.

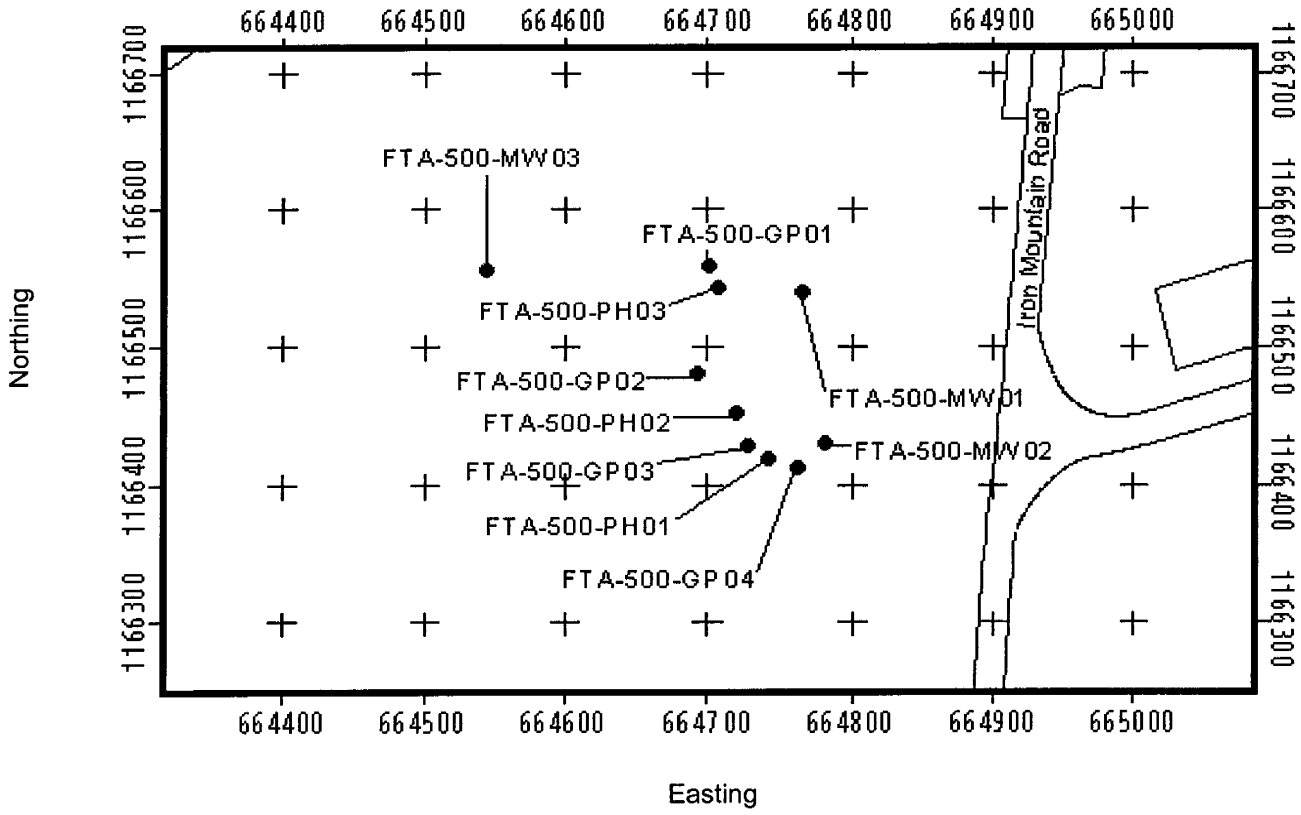
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-GP02
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg Drilling	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: Sammy McDaniels	6. Mfr. designation of drill: TD1 Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push 2"x2' acetate-lined sampler	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500 9. Surface elevation (feet above mean sea level): 848.68 10. Date started: 12/09/99 — 11. Date completed: 12/09/99
12. Overburden thickness (feet bgs): >4	15. Depth groundwater encountered (feet bgs): Not Encountered
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 4	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: James Dendy		
	X					

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-500-GP02

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-GP02

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	ml: Brown SILT, hard.	ml		Organic Vapor = 0.0ppm		CG0003		Rec 24"/24"
	1								
	2	ml: Brown SILT, hard.	ml		Organic Vapor = 0.0ppm		CG0004		Rec 24"/24"
	3								
845	4								Direct push refusal at 4' bgs. Bottom of borehole at 4' bgs.

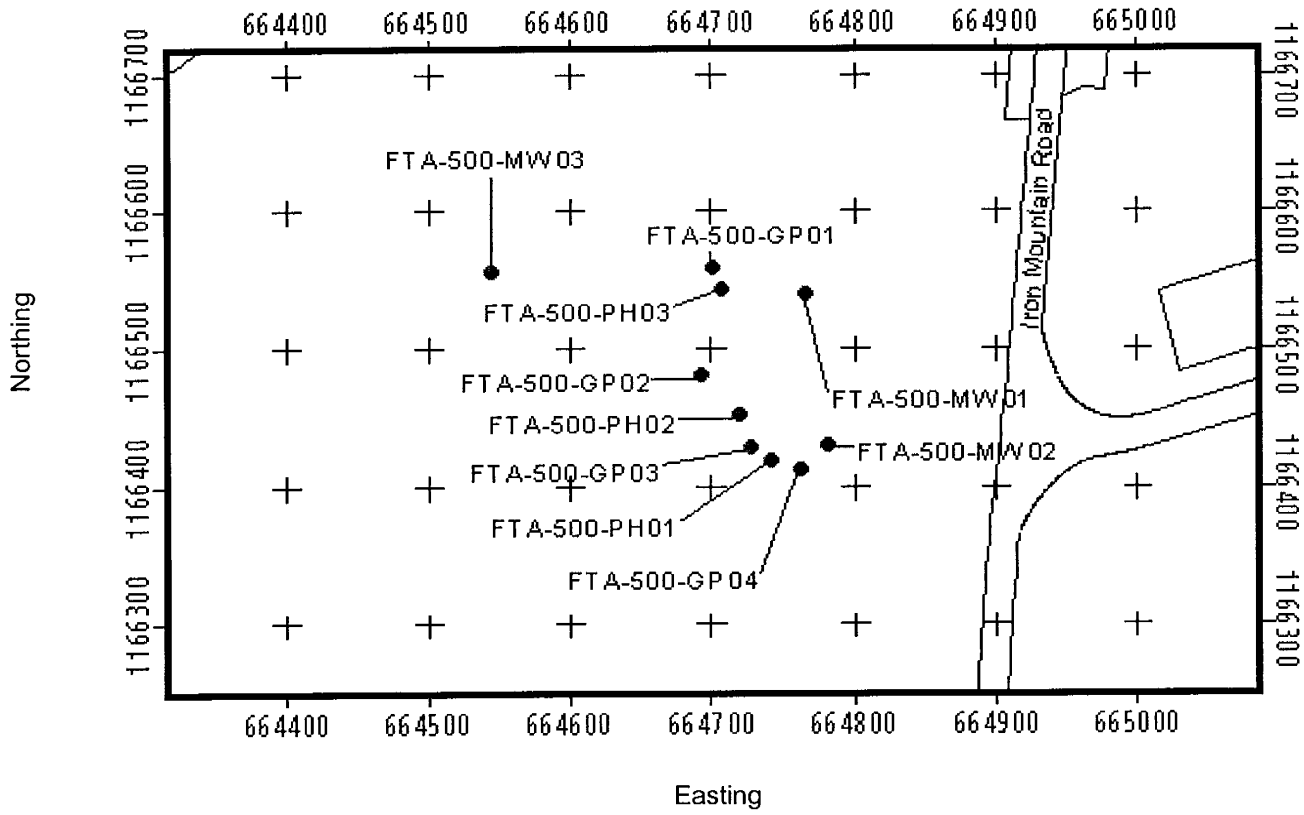
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-GP03
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg Drilling	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: Sammy McDaniels	6. Mfr. designation of drill: TD1 Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push 2"x2' acetate-lined sampler	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500
	9. Surface elevation (feet above mean sea level): 839.67
	10. Date started: 12/09/99 — 11. Date completed: 12/09/99
12. Overburden thickness (feet bgs): >3.5	15. Depth groundwater encountered (feet bgs): Not Encountered
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 3.5	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: James Dendy		
	X					

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-GP03

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	ml: Brown SILT, little fine Sand.	ml		Organic Vapor = 15.0ppm		CG0005		Rec 24"/24"
	1								
	2	cl: Dry brown CLAY.	cl		Organic Vapor = 2.6ppm		CG0006		Rec 18"/18"
	3								Direct push refusal at 3.5' bgs. Bottom of borehole at 3.5' bgs.

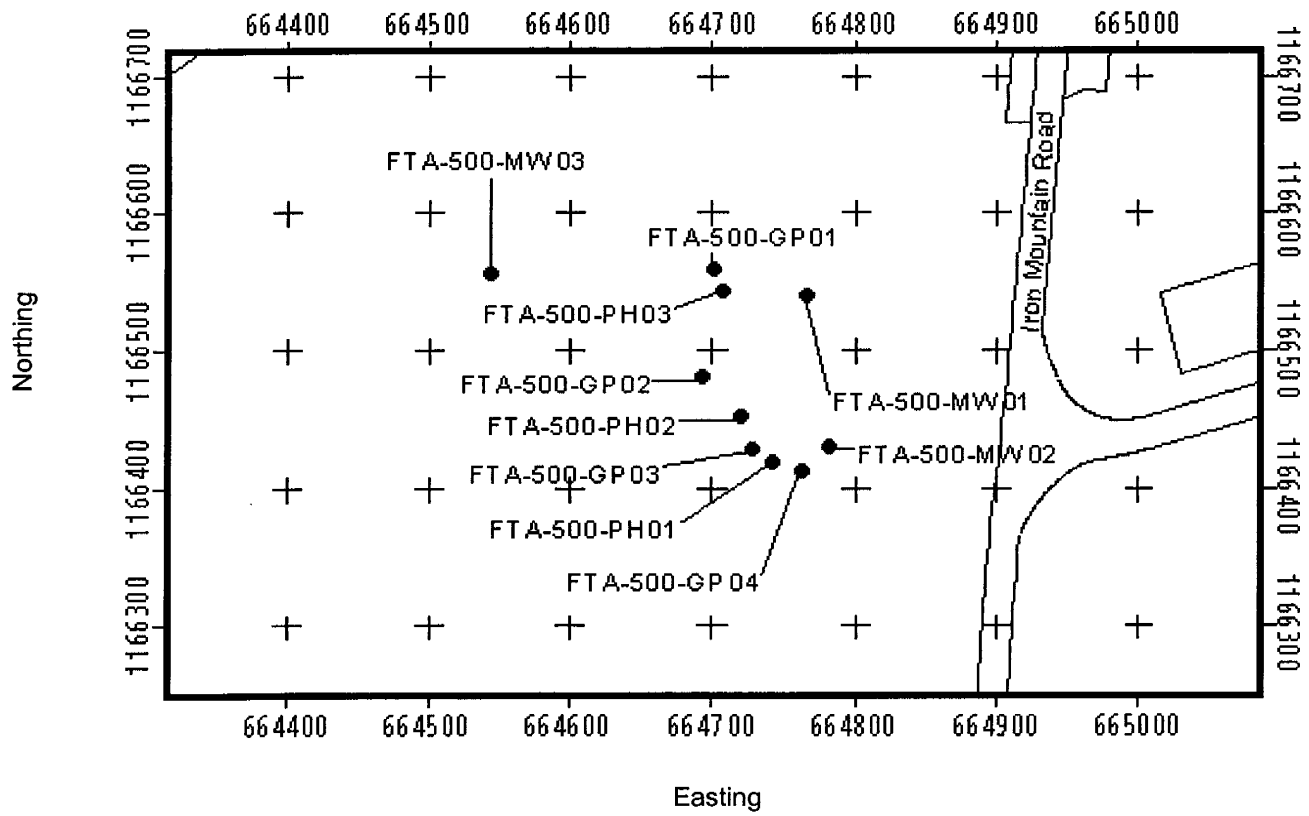
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-GP04
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg Drilling	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: Sammy McDaniels	6. Mfr. designation of drill: TD1 Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500
	9. Surface elevation (feet above mean sea level): 834.436
2"x2' acetate-lined sampler	10. Date started: 12/09/99 / 11. Date completed: 12/09/99
12. Overburden thickness (feet bgs): >4	15. Depth groundwater encountered (feet bgs): Not Encountered
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 4	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			James Dendy		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-GP04

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	ml: Hard brown SILT. Noted Organics.	ml		Organic Vapor = 0.0ppm		CG0007		Rec 24"/24"
	1								
	2	ml: Hard brown SILT, little fine Sand.	ml				CG0008		Rec 24"/24"
	3								Direct push refusal at 4' bgs. Bottom of borehole at 4' bgs.
	4								

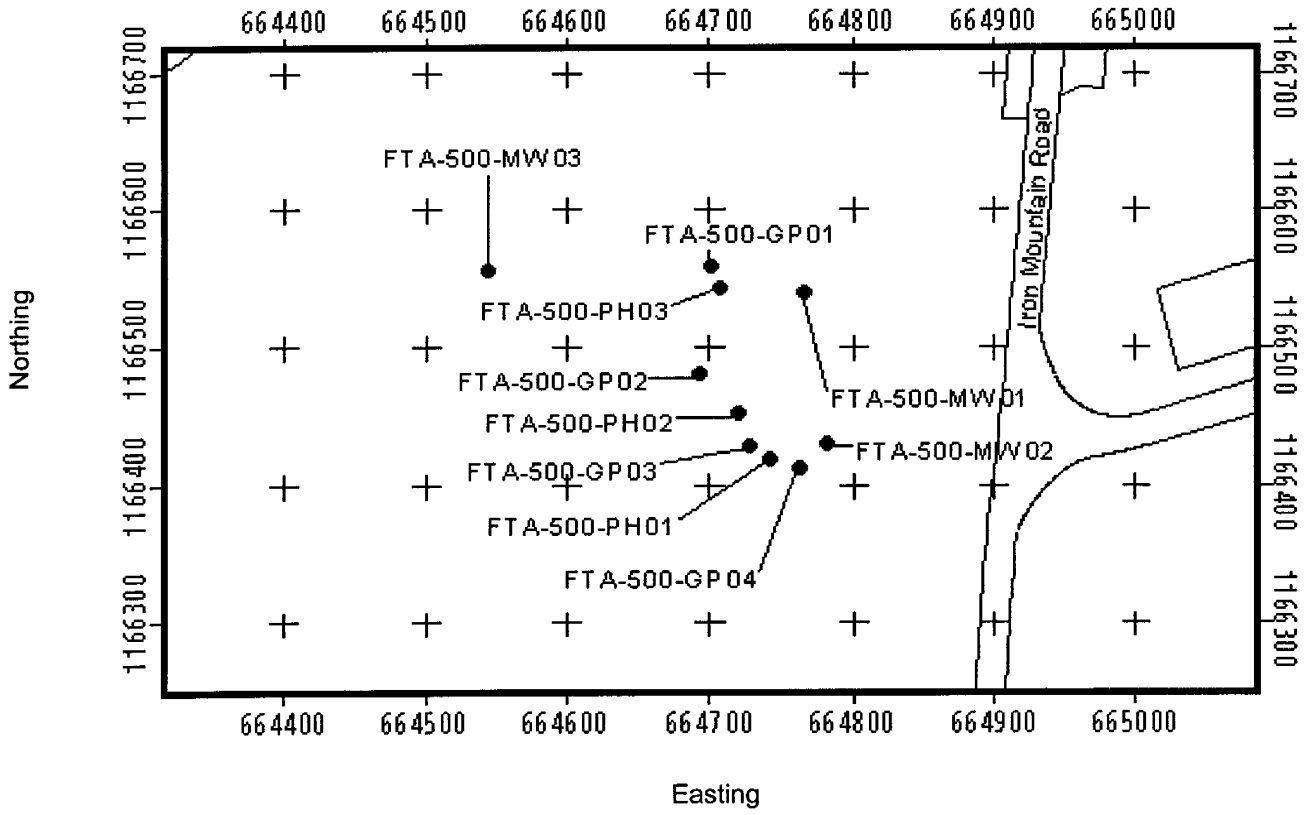
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-MW01
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg Drilling/ Miller Drilling	Sheet 1 of 7 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: S. McDaniels/K. Gobell	6. Mfr. designation of drill: Terraprobe/CME-550
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP-2"x2' acetate-lined sampler HSA-5'x4.25" ID augers, 2'x2" steel split spoons	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500 9. Surface elevation (feet above mean sea level): 832.66 10. Date started: 12/09/99 — 11. Date completed: 01/20/00
12. Overburden thickness (feet bgs): 57	15. Depth groundwater encountered (feet bgs): 45
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 57	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Permanent		James Dendy		

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-500-MW01

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	ml: Brown SILT, some fine Sand.	ml		Organic Vapor = 0.0ppm		CG0009		Rec 24"/24"
	1								
	2	ml: Brown SILT, some fine Sand.	ml		Organic Vapor = 0.0ppm				Rec 24"/24"
830	3								
	4	ml: Brown SILT, some dry Clay.	ml		Organic Vapor = 0.0ppm				Rec 24"/24"
	5								
	6	cl-ml: Brown SILT and dry Clay.	cl-ml		Organic Vapor = 0.0ppm		CG0010		Rec 24"/24"
	7								Direct push refusal at 8'.
825	8	cl: Brown SILTY CLAY, some white Clay Clasts.	cl					3 5 14 24	Rec 24"/24
	9				Organic Vapor = 0.0ppm				

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 3 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	10	cl: Brown SILTY CLAY, some white Clay Clasts.							
	11		cl						Description form hollow stem auger drill cuttings.
	12				Organic Vapor = 0.0ppm				
820									
	13								
	14	cl: Brown SILTY CLAY, some white Clay Clasts.						4 6 8 12	Rec 24"/24"
	15		cl		Organic Vapor = 0.0ppm				
	16	cl: Brown SILTY CLAY, some white Clay Clasts.							Description from hollow stem auger drillings.
			cl						
	17				Organic Vapor = 0.0ppm				
815									
	18								
	19	cl: Brown SILTY CLAY.						3 8 12 21	Rec 24"/24"
			cl						

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 4 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	20				Organic Vapor = 0.0ppm				
	21	cl: Brown SILTY CLAY.	cl						Description from hollow stem auger drill cuttings.
	22				Organic Vapor = 0.0ppm				
810									
	23								
	24	cl: Light brown to red orange, dry, medium stiff SILTY CLAY, slight fissile laminations.			Organic Vapor = 0.0ppm			5 11 13 21	Rec 18"/24"
	25		cl						
	26	cl: Light brown to red orange, dry, medium stiff SILTY CLAY, slight fissile laminations.	cl						Description form hollow stem auger drill cuttings.
	27				Organic Vapor = 0.0ppm				
805									
	28								
	29	cl: Light brown to red orange, hard, SILTY CLAY.	cl		Organic Vapor = 0.0ppm			11 19 28 50/5"	Rec 23"/23"

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 5 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	30								30
	31	cl: Light brown to red orange, hard, SILTY CLAY.	cl		Organic Vapor = 0.0ppm				Description from hollow stem auger drill cuttings. 31
	32								32
800									
	33								33
	34	cl: Light brown to red orange, friable medium to stiff, SILTY CLAY.						4 8 11 16	Rec 20"/24" 34
	35		cl		Organic Vapor = 0.0ppm				35
	36	cl: Light brown to red orange, friable medium to stiff, SILTY CLAY.	cl		Organic Vapor = 0.0ppm				Description from hollow stem auger drill cuttings. 36
	37								37
795									
	38								38
	39	cl: Light brown to red orange hard, SILTY CLAY.	cl		Organic Vapor = 0.0ppm			6 13 39 50/5"	39

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 6 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	40								40
	41	cl: Light brown to red orange hard, SILTY CLAY.							Description from hollow stem auger drillings. 41
					Organic Vapor = 0.0ppm				
	42								42
790			cl						
	43								43
	44	cl: Light brown to red orange hard, SILTY CLAY.						19 23 27 35	Rec 24"/24" 44
					Organic Vapor = 0.0ppm				
	45		cl						Water encountered at 45'. 45
	46	cl: Light brown to red orange hard, SILTY CLAY.							Description from hollow stem auger drillings. 46
			cl						
	47				Organic Vapor = 0.0ppm				47
785									
	48								48
	49	cl: Light brown to red orange hard, SILTY CLAY.						19 27 24 40	Rec 24"/24" 49
			cl		Organic Vapor =				
									50

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW01

Project: Fort McClellan | Geologist: James Dendy | Sheet 7 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	50				0.0ppm				
	51	cl: Light brown to red orange hard, SILTY CLAY.							
	52				Organic Vapor = 0.0ppm				
780			cl						
	53								
	54	cl: Light brown to orange fissile CLAY, moist.						13 24 50/6"	Rec 18"/18"
	55		cl		Organic Vapor = 0.0ppm				
		NA: No sample collected for lithologic description							
	56		NA						
	57				Organic Vapor =				Hollow stem auger refusal at 57'. Bottom of borehole 57'.

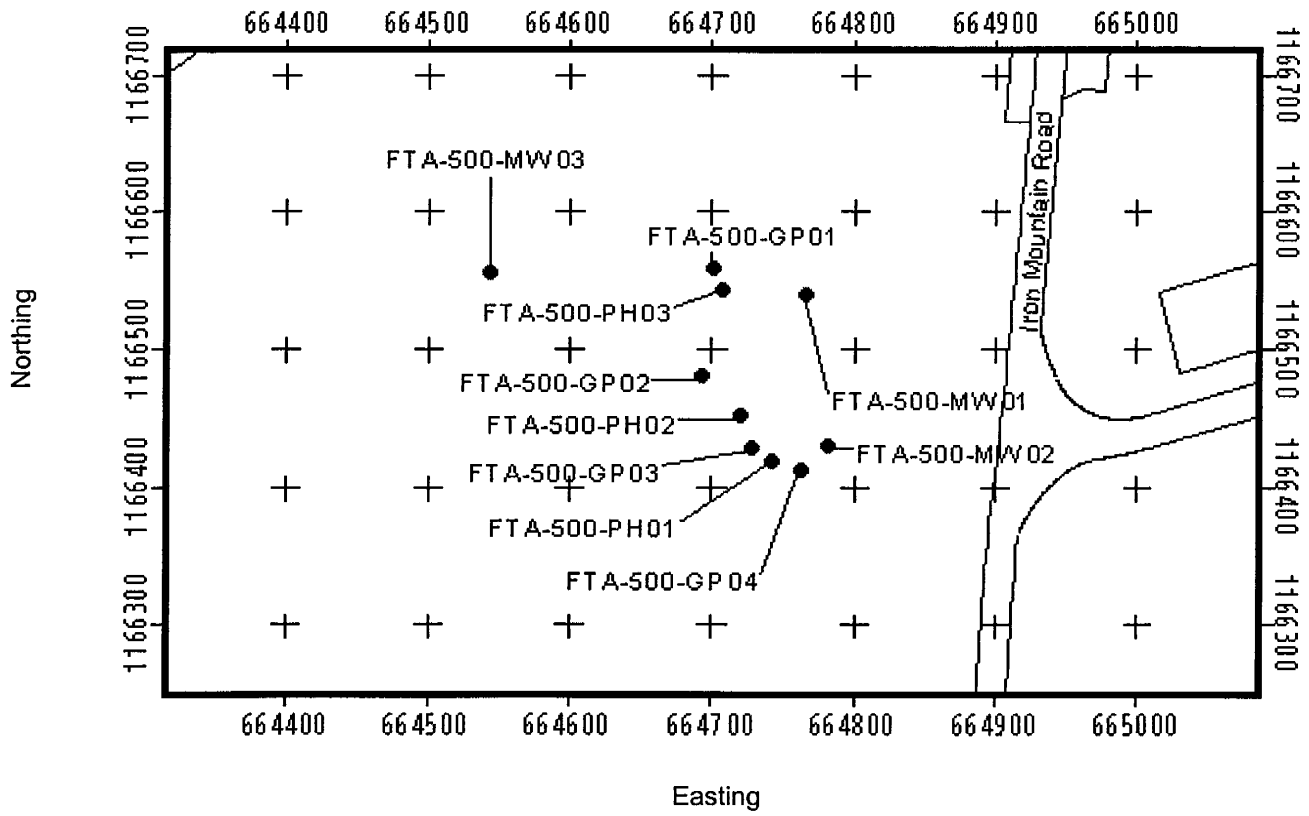
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-MW02
1. Company name: **IT Corporation**	2. Drill Subcontractor: Teg & Miller Drilling	Sheet 1 of 9 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: S. McDaniels/K. Gobell	6. Mfr. designation of drill: TD1 Geoprobe/CME-550
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP-2"x2' acetate-lined sampler HSA-5'x4.25" ID augers, 2'x2" steel split spoons	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500 9. Surface elevation (feet above mean sea level): 835.32 10. Date started: 12/10/99 — 11. Date completed: 01/19/00
12. Overburden thickness (feet bgs): 79	15. Depth groundwater encountered (feet bgs): 46.9
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 79	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs	Explosives		NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Permanent		James Dendy		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 2 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
835	0	ml: Brown SILT, little Sand.	ml		Organic Vapor = 0.0ppm		CG0011		Rec 24"/24"
	1								
	2	ml: Hard brown SILT, little Sand.	ml		Organic Vapor = 3.2ppm		CG0014		Rec 24"/24"
	3								
	4	cl: Brown SILTY CLAY, some clasts of white gray Clay.	cl		Organic Vapor = 0.0ppm			7 17 19 21	Direct push refusal at 4'. Rec 24"/24" .
830	5								
	6	cl: Brown SILTY CLAY, some clasts of white gray Clay.	cl						Description from hollow stem auger drill cuttings.
	7								
	8	cl: Very stiff brown SILTY CLAY, some clast of white gray Clay.	cl					10 15 15 24	
	9								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 3 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
825	10	cl: Very stiff brown SILTY CLAY, some clast of white gray Clay.							
	11								Description from hollow stem auger drill cuttings.
	12		cl		Organic Vapor = 0.0ppm				
	13								
	14	cl: Brown to red orange SILTY CLAY, very stiff.						7 9 10 12	Rec 24"/24"
820	15		cl		Organic Vapor = 0.0ppm				
	16	cl: Brown to red orange SILTY CLAY, very stiff.							Description from hollow stem auger drill cuttings.
	17		cl		Organic Vapor = 0.0ppm				
	18								
	19	cl: Stiff, brown, SILTY CLAY.			Organic Vapor			4 4 8 11	Rec 24"/24"

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 4 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	20				= 0.0ppm				20
815			cl						
	21	cl: Stiff, brown, SILTY CLAY.							Description from hollow stem auger drill cuttings. 21
					Organic Vapor = 0.0ppm				
	22		cl						22
	23								23
	24	cl: Stiff, brown CLAY, some Silt.						4 5 8 12	Rec 24"/24" 24
					Organic Vapor = 0.0ppm				
	25		cl						25
810									
	26	cl: Stiff, brown CLAY, some Silt.							Description from hollow stem auger drill cutting. 26
	27				Organic Vapor = 0.0ppm				27
			cl						
	28								28
	29	cl: Stiff, brown CLAY, some Silt.						5 5 8 11	Rec 24"/24" 29
					Organic Vapor =				

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 5 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	30				0.0ppm				30
805			cl						
	31	cl: Stiff, brown CLAY, some Silt.							Description form hollow stem auger drill cuttings. 31
					Organic Vapor = 0.0ppm				
	32								32
			cl						
	33								33
	34	cl: Soft moist brown CLAY, some Silt.						2 2 3 5	Rec 24"/24" 34
					Organic Vapor = 0.0ppm				
	35		cl						35
800									
	36	cl: Soft moist brown CLAY, some Silt.							Description from hollow stem auger drill cuttings. 36
					Organic Vapor = 0.0ppm				
	37								37
			cl						
	38								38
	39	sw: Brown, fine to coarse SAND, some weathered angular Quartz (5mm-20mm)						5 7 6 7	Rec 24"/24" 39
					Organic Vapor =				

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 6 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	40				0.0ppm				
795			sw						
	41	sw: Brown, fine to coarse SAND, some weathered angular Quartz (5mm-20mm)							Descriptions from hollow stem auger drill cuttings.
	42				Organic Vapor = 0.0ppm				
			sw						
	43								
	44	cl: Light brown and red-orange CLAY, some Silt.						9 14 19 26	Rec 16"/24"
	45		cl		Organic Vapor = 0.0ppm				
790									
	46	cl: Light brown and red-orange CLAY, some Silt.							Description from hollow stem auger drill cuttings.
	47		cl		Organic Vapor = 0.0ppm				
	48								
	49	cl: Light brown and red-orange stiff CLAY, some Silt.			Organic Vapor =			12 20 24 26	Rec 24"/24"
	50								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 7 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
785	50		cl		0.0ppm				
	51	cl: Light brown and red-orange stiff CLAY, some Silt.			Organic Vapor = 0.0ppm				Descriptions from hollow stem auger drill cuttings.
	52		cl						Water encountered at 52'.
	53								
	54	cl: Light brown to red orange, hard, CLAY, slightly laminated.			Organic Vapor = 0.0ppm			10 26 50/5"	Rec 17"/17"
780	55		cl						
	56	cl: Light brown to red orange, hard, CLAY, slightly laminated.			Organic Vapor = 0.0ppm				Descriptions from hollow stem auger drill cuttings.
	57		cl						
	58								
	59	cl: Hard, light brown and red orange CLAY, slightly laminated.			Organic Vapor = 0.0ppm			12 24 50/4"	Rec 16"/16"
	60		cl						

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 8 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
775		cl: Hard, light brown and red orange CLAY, slightly laminated.							
	61								Descriptions from hollow stem auger drill cuttings.
	62		cl		Organic Vapor = 0.0ppm				
	63								
	64	cl: Very stiff to hard light brown and red orange CLAY, slight fissile laminations.						14 16 26 38	Rec 24"/24"
	65		cl		Organic Vapor = 0.0ppm				
770									
	66	cl: Very stiff to hard light brown and red orange CLAY, slight fissile laminations.							Descriptions from hollow stem auger drill cuttings.
	67		cl		Organic Vapor = 0.0ppm				
	68								
	69	cl: Very stiff light brown to red orange CLAY, slight laminations.						13 15 25 35	Rec 24"/24"
	70		cl		Organic Vapor = 0.0ppm				

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW02

Project: Fort McClellan | Geologist: James Dendy | Sheet 9 of 9 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
765									
	71	cl: Very stiff light brown to red orange CLAY, slight laminations.							Description from hollow stem auger drill cuttings.
					Organic Vapor = 0.0ppm				
	72		cl						
	73								
	74	cl: Hard light brown CLAY. Limestone in end of split spoon attempt at 79'.						14 16 28 34	Rec 24"/24"
					Organic Vapor = 0.0ppm				
	75		cl						
760									
	76	cl: Hard light brown CLAY. Limestone in end of split spoon attempt at 79'.							Description from hollow stem auger drill cuttings.
	77				Organic Vapor = 0.0ppm				
			cl						
	78								
									Auger refusal on limestone at 79'. Bottom of borehole is 79'.
	79								

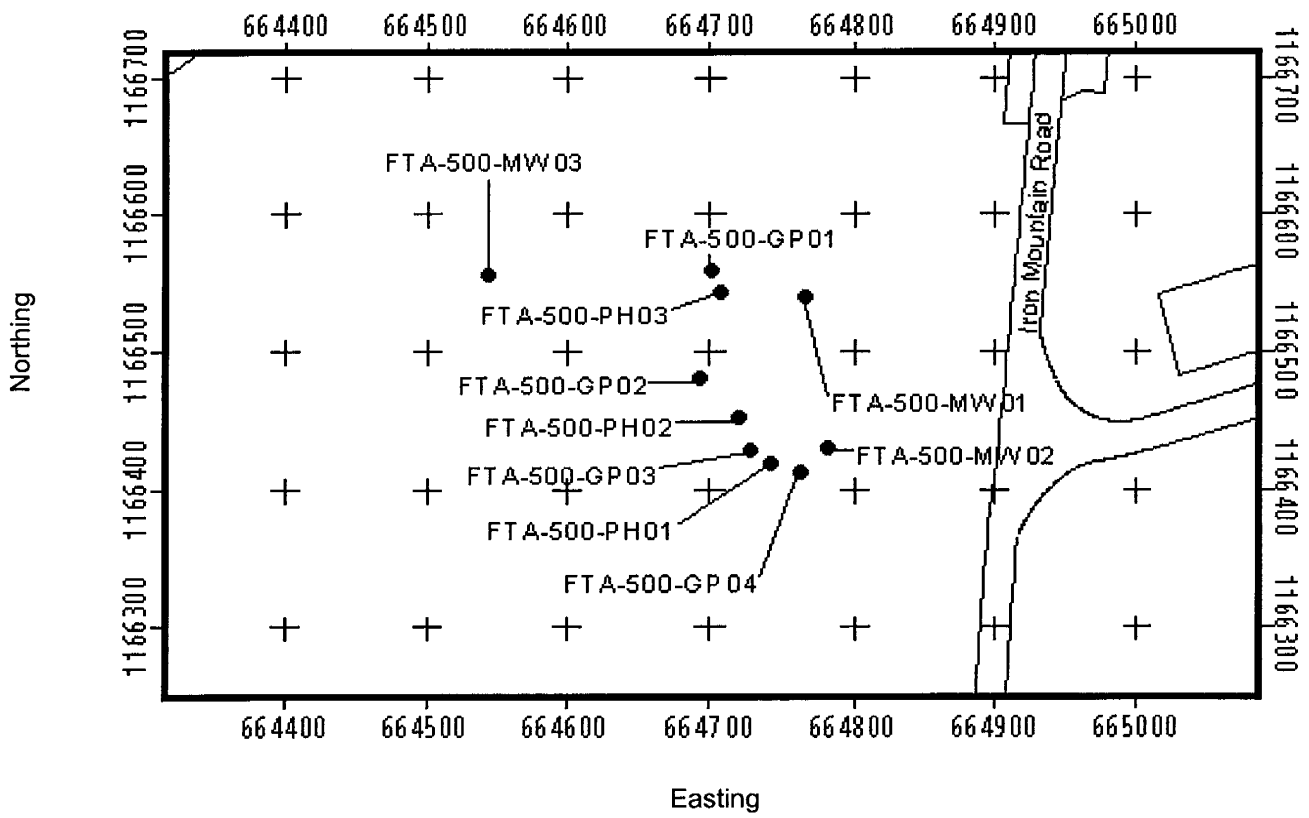
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-MW03
1. Company name: **IT Corporation**	2. Drill Subcontractor: Miller Drilling	Sheet 1 of 11 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: Kevin Thomas	6. Mfr. designation of drill: Ingersol-Rand T3W Air Rig
7. Sizes and types of drilling and sampling equipment: Hollow Stem Auger, Air Percussion and Air Rotary AR: 8" Tricone	8. Hole location: Trenches West of Iron Mountain Road, Parcel 500
	9. Surface elevation (feet above mean sea level): 874.47
	10. Date started: 02/15/00 / 11. Date completed: 02/15/00
12. Overburden thickness (feet bgs): 97	15. Depth groundwater encountered (feet bgs): Not Encountered
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 97	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA					
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA					NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Permanent		John Hofer		

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-500-MW03

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 2 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: CLAY							0'-12' UXO cleared using HSA.
	1								
	2								
	3								
	4								
870									
	5								
	6		cl						
	7								
	8								
	9								
865									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 3 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	10								
	11								
	12	ml: Light orange SILT with some coarse Sand.							Descriptions from drill cuttings.
	13								
	14								Hard drilling.
860			ml						
	15								
	16								
	17	sw: Light orange SAND, silty, some trace Clay, medium to coarse grained.							
	18								
	19								
855									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 4 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	20		SW						
	21								
	22								
	23								
		sw: Yellowish brown SAND, Quartz, medium to coarse grained, some Silt. Dry, subrounded to subangular.							
	24								Descriptions from air cuttings.
850									
	25								
	26								
	27								
	28								
	29								
845									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 5 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	30								30
	31								31
	32								32
	33								33
			SW						
	34								34
840									
	35								35
	36								36
	37								37
	38								38
	39								39
835									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 6 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	40								
	41								
	42								
	43								
		cl: Red-yellowish red CLAY.							Soft drilling.
	44								
830			cl						
	45								
	46	ml: Reddish yellow SILT							
	47								
	48								
	49								
825									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 7 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	50								
	51								
	52								
	53								
	54								
820									
	55								
	56								
	57								
	58								Harder drilling.
	59								
815			ml						
	60								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan

Geologist: John Hofer

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	61								61
	62								62
	63								63
	64								64
810									
	65								65
	66								66
	67								67
	68								68
	69								69
805									
	70								70

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 9 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	71								71
	72								72
	73								73
		ml: Brown SILT with fine Sand, some Chert.							
	74								74
800									
	75								75
	76								76
	77								77
	78								78
			ml						
	79								79
795									
	80								80

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 10 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	81								
	82								
	83								
	84	cl: Red CLAY.							
790									
	85								
	86								Moist cuttings.
	87								
	88								
	89								
785			cl						
	90								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-MW03

Project: Fort McClellan | Geologist: John Hofer | Sheet 11 of 11 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	91								91
	92								92
	93								93
	94								At 94' losing circulation. 94
780									
	95	cl: Brown CLAY, trace Chert. LIMESTONE at 97'.							95
	96		cl						96
									Very hard. Bottom of borehole on limestone at 97'.
	97								97

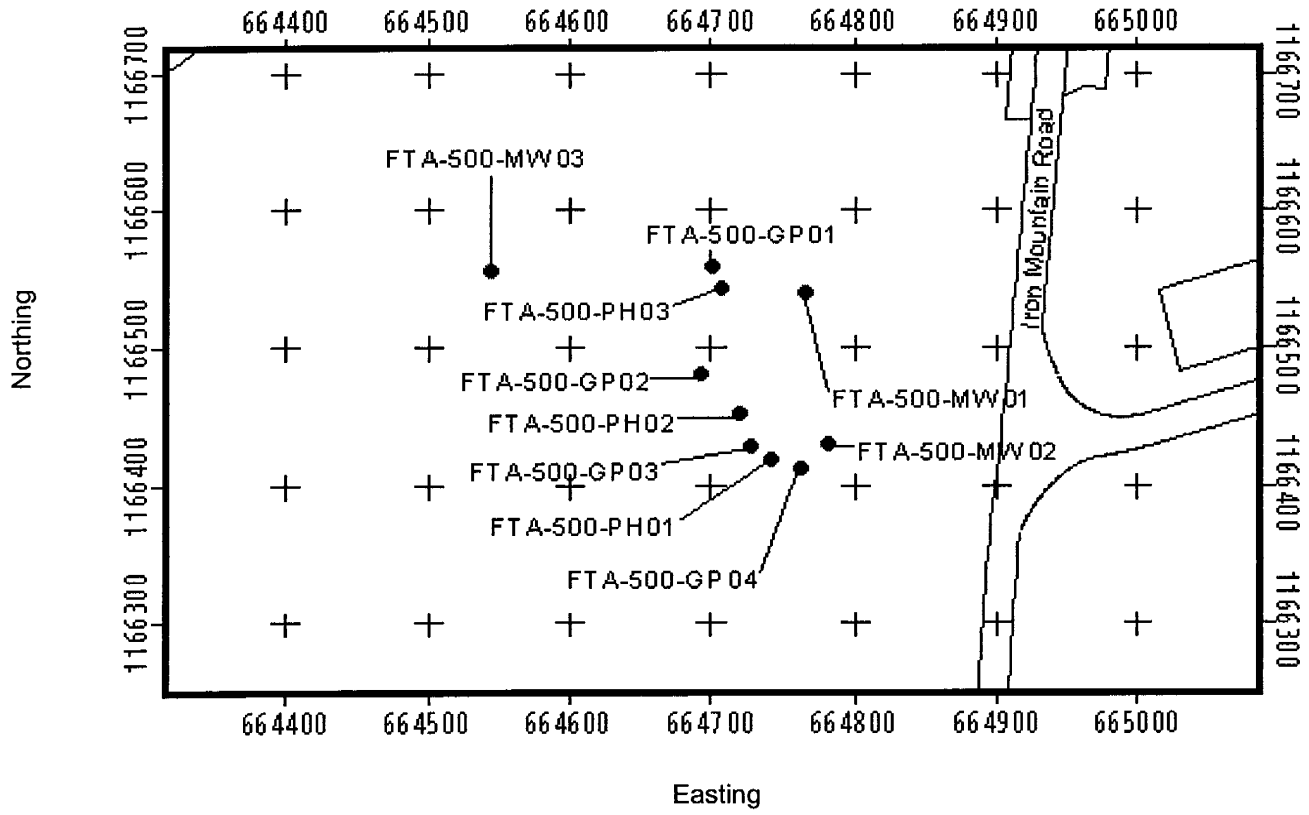
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-PH01
1. Company name: **IT Corporation**	2. Drill Subcontractor: NA	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: G. Robertson	6. Mfr. designation of drill: NA
7. Sizes and types of drilling and sampling equipment: Hand Auger PID H845010	8. Hole location: Parcel 500, Trenches West of Iron Mountain Road 9. Surface elevation (feet above mean sea level): 847.79 10. Date started: 01/12/01 — 11. Date completed: 01/12/01
12. Overburden thickness (feet bgs): >3.5	15. Depth groundwater encountered (feet bgs): NA
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 3.5	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	NA	NA	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: G. Robertson/K. Hunter		
	X					

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-PH01

Project: Fort McClellan | Geologist: G. Robertson/K. Hunter | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	NA: No lithologic description to bottom of trench.	NA						
	1	cl: Soft (loose), yellowish brown to medium brown CLAY, some Silt, low plasticity, little Gravel (fine to medium), trace fine Sand, occasional (trace) black cinders, moist.	cl						Rec 2.5'/2.5'
	2								
845	3								Refusal in large tree root approx. 3.5' bgs (2.5' below bottom of trench). Appears to be reworked soil with cinders.

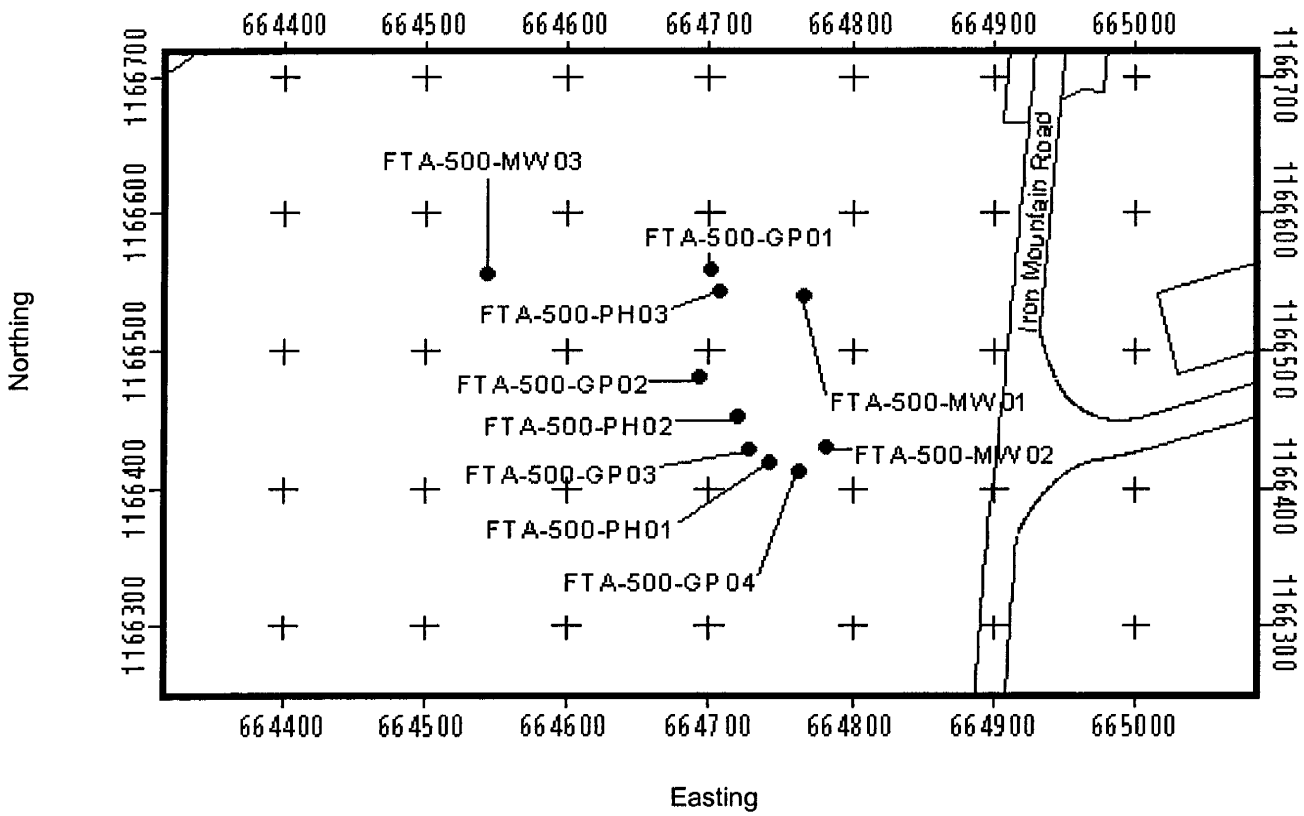
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-PH02
1. Company name: **IT Corporation**	2. Drill Subcontractor: NA	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: G. Robertson	6. Mfr. designation of drill: NA
7. Sizes and types of drilling and sampling equipment: Hand Auger PID H845010	8. Hole location: Parcel 500, Trenches West of Iron Mountain Road
	9. Surface elevation (feet above mean sea level): 853.26
	10. Date started: 01/12/01 — 11. Date completed: 01/12/01
12. Overburden thickness (feet bgs): >4	15. Depth groundwater encountered (feet bgs): NA
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 4	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	NA	NA	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: G. Robertson/K. Hunter		
	X					

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-500-PH02

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-PH02

Project: Fort McClellan | Geologist: G. Robertson/K. Hunter | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	NA: No lithologic description to bottom of trench.	NA						
	1	cl: Soft to stiff, light reddish brown CLAY, low to moderate plasticity, little to some Silt, little fine Sand, little Gravel (medium to fine), moist.	cl						Rec 3'/3'
	2								
	3								
850									Total depth 3' below bottom of trench (~ 4' bgs)
	4								

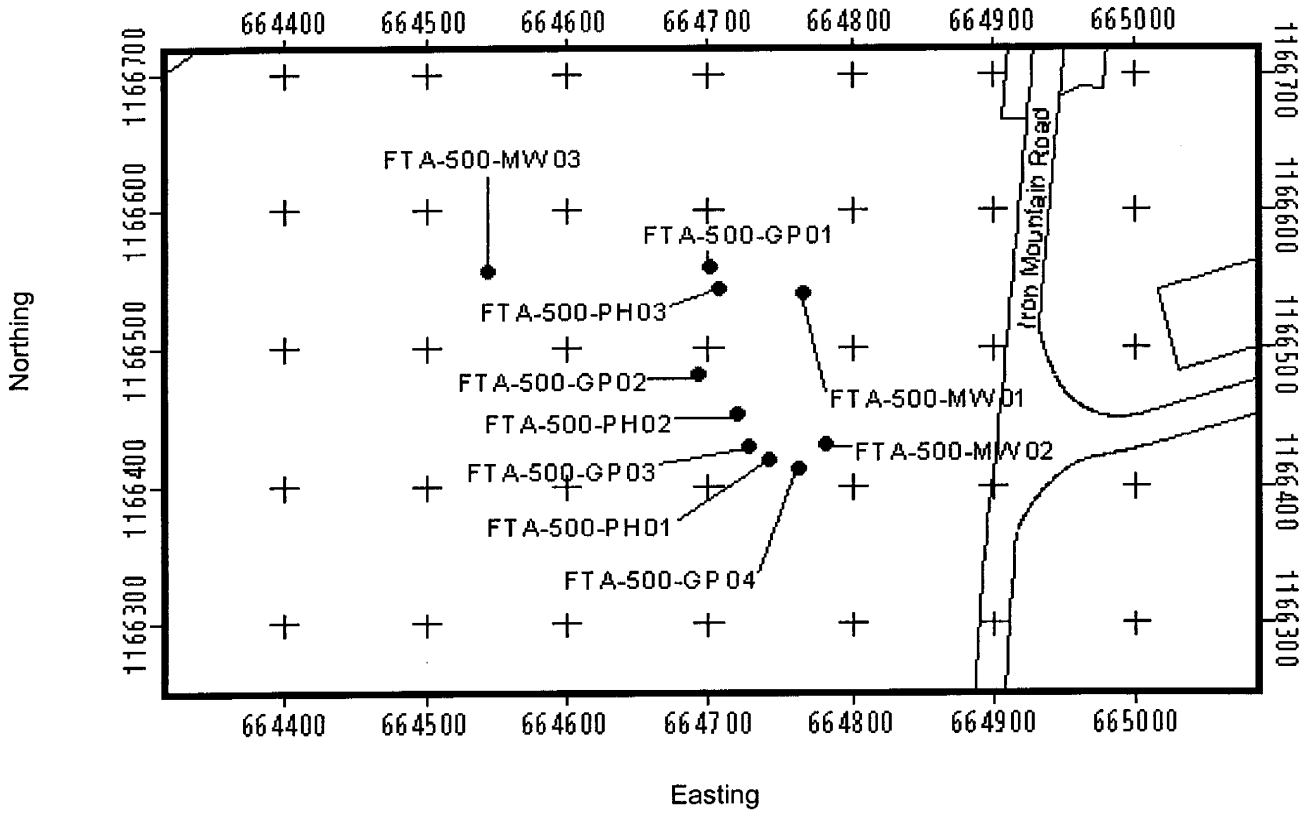
HTRW DRILLING LOG

District: **Mobile USACE**		HOLE NUMBER FTA-500-PH03
1. Company name: **IT Corporation**	2. Drill Subcontractor: NA	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: **Calhoun County, Alabama**
5. Name of driller: G. Robertson	6. Mfr. designation of drill: NA
7. Sizes and types of drilling and sampling equipment: Hand Auger PID H845010	8. Hole location: Parcel 500, Trenches West of Iron Mountain Road 9. Surface elevation (feet above mean sea level): 852.83 10. Date started: 01/12/01 — 11. Date completed: 01/12/01
12. Overburden thickness (feet bgs): >4	15. Depth groundwater encountered (feet bgs): NA
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA
14. Total depth of hole (feet bgs): 4	17. Other water level measurements (specify): NA

18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	NA	NA	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: G. Robertson/K. Hunter		
	X					

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-500-PH03

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-500-PH03

Project: Fort McClellan | Geologist: G. Robertson/K. Hunter | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	NA: No lithologic description to bottom of trench.	NA						
	1	cl: Soft to medium stiff, light reddish brown CLAY, low to moderate plasticity, little Silt, little fine Sand, moist.	cl						Rec 3'/3'
850	2								
	3								Total Depth 3' below bottom of trench (~ 4' bgs)
	4								

WELL CONSTRUCTION LOGS

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC
LOCATION: Anniston, AL
CLIENT: USACE Mobile District
CONTRACTOR: Miller Drilling
DRILLER: Ken Gobell
IT FIELD REPRESENTATIVE: James Dendy

WELL NO: FTA-500-MW01
DRILLING METHOD: Hollow Stem Auger
INSTALLATION DATE: 20-JAN-00
NORTHING: 1166537.7
EASTING: 664764.5
HORIZONTAL SURVEY DATUM: NAD83
VERTICAL SURVEY DATUM: NGVD88
JOB NO: 774645

GROUND SURFACE ELEVATION* 832.65

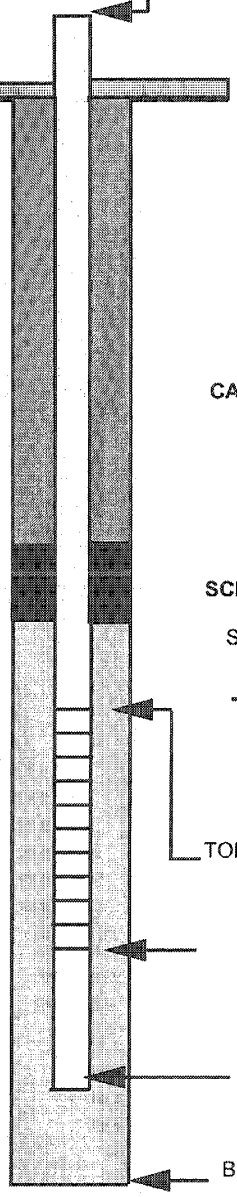
TOP of WELL CASING or RISER PIPE
EL* 834.18 STICKUP 1.53

SURFACE SEAL

TYPE of SURFACE SEAL	MINIMUM THICKNESS
Concrete	4 inches

ANNULAR SPACE SEAL TYPE

Bentonite-Cement



APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SEAL

SEAL MATERIAL	SEAL START DEPTH
Bentonite	28

FILTER PACK

TYPE of SAND PACK AROUND SCREEN	TOP OF SAND PACK
Sand No 1	31

CASING

TYPE of RISER MATERIAL (Flush Threaded)	INSIDE DIAMETER of RISER (inches)
PVC SCH 40	2

SCREEN

TYPE of SCREEN MATERIAL	SLOT SIZE (inches)	INSIDE DIAMETER (inches)
PVC SCH 40	0.010	2

TOP OF SCREENED INTERVAL
EL* 798.65 DEPTH 34

BOTTOM of SCREENED INTERVAL
EL* 778.65 DEPTH 54

BOTTOM of SUMP and WELL
EL* 775.65 DEPTH 57

BOTTOM of BOREHOLE
EL* 775.65 DEPTH 57

NEAT CEMENT
GROUT
BENTONITE SEAL
FILTER PACK
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.
All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC
LOCATION: Anniston, AL
CLIENT: USACE Mobile District
CONTRACTOR: Miller Drilling
DRILLER: Ken Gobell
IT FIELD REPRESENTATIVE: James Dendy

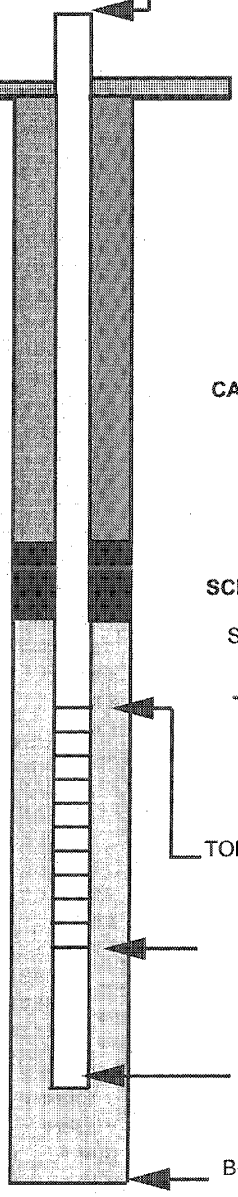
WELL NO: FTA-500-MW02
DRILLING METHOD: Hollow Stem Auger
INSTALLATION DATE: 19-JAN-00
NORTHING: 1166428.74
EASTING: 664781.72
HORIZONTAL SURVEY DATUM: NAD83
VERTICAL SURVEY DATUM: NGVD88
JOB NO: 774645

GROUND SURFACE ELEVATION* 835.32

TOP of WELL CASING or RISER PIPE
EL* 836.91 STICKUP 1.59

SURFACE SEAL
TYPE of SURFACE SEAL: Concrete
MINIMUM THICKNESS: 4 inches

ANNULAR SPACE SEAL TYPE
Bentonite-Cement



CASING
TYPE of RISER MATERIAL (Flush Threaded): PVC SCH 40
INSIDE DIAMETER of RISER (inches): 2

APPROXIMATE DIAMETER of BOREHOLE (inches): 8

TOP OF SEAL
SEAL MATERIAL: Bentonite
SEAL START DEPTH: 42

SCREEN
TYPE of SCREEN MATERIAL: PVC SCH 40
SLOT SIZE (inches): 0.010
INSIDE DIAMETER (inches): 2

FILTER PACK
TYPE of SAND PACK AROUND SCREEN: Sand No 1
TOP OF SAND PACK: 45

TOP OF SCREENED INTERVAL
EL* 786.32 DEPTH 49

BOTTOM of SCREENED INTERVAL
EL* 756.32 DEPTH 79

BOTTOM of SUMP and WELL
EL* 756.32 DEPTH 79

BOTTOM of BOREHOLE
EL* 756.32 DEPTH 79

NEAT CEMENT
GROUT
BENTONITE SEAL
FILTER PACK
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.
All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC
LOCATION: Anniston, AL
CLIENT: USACE Mobile District
CONTRACTOR: Miller Drilling
DRILLER: Kevin Thomas
IT FIELD REPRESENTATIVE: John Hofer

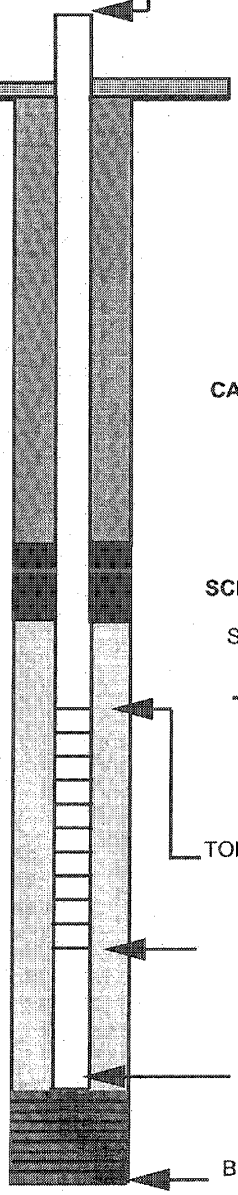
WELL NO: FTA-500-MW03
DRILLING METHOD: Air Rotary
INSTALLATION DATE: 15-FEB-00
NORTHING: 1166553.74
EASTING: 664543.92
HORIZONTAL SURVEY DATUM: NAD83
VERTICAL SURVEY DATUM: NGVD88
JOB NO: 774645

GROUND SURFACE ELEVATION* 874.47

TOP of WELL CASING or RISER PIPE
EL* 876.63 STICKUP 2.16

SURFACE SEAL
TYPE of SURFACE SEAL: Concrete
MINIMUM THICKNESS: 4 inches

ANNULAR SPACE SEAL TYPE
Bentonite-Cement



CASING
TYPE of RISER MATERIAL (Flush Threaded): PVC SCH 80
INSIDE DIAMETER of RISER (inches): 4

APPROXIMATE DIAMETER of BOREHOLE (inches): 8

TOP OF SEAL
SEAL MATERIAL: Bentonite
SEAL START DEPTH: 74

SCREEN
TYPE of SCREEN MATERIAL: PVC SCH 80
SLOT SIZE (inches): 0.010
INSIDE DIAMETER (inches): 4

FILTER PACK
TYPE of SAND PACK AROUND SCREEN: Sand No 1
TOP OF SAND PACK: 77

TOP OF SCREENED INTERVAL
EL* 794.67 DEPTH 79.8

BOTTOM of SCREENED INTERVAL
EL* 779.67 DEPTH 94.8

BOTTOM of SUMP and WELL
EL* 779.47 DEPTH 95

BOTTOM of BOREHOLE
EL* 777.47 DEPTH 97

NEAT CEMENT
GROUT
BENTONITE SEAL
FILTER PACK
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.
All depths and heights are given in feet and are referenced to the ground surface.

APPENDIX C

WELL DEVELOPMENT LOGS

COMPLETE 2/28/00

Groundwater Well Development Log

Fort McClellan , Alabama

Project Number: 774645
Form Completed by: BILL HUDSON
Well Developed by (person/firm): BILL HUDSON JT

Parcel No.: FTA-300
Well No.: MW01
Date started: ~~2-1-00~~ 2/3 → 2/4/00
1-31-00

Monitoring Well Information

Development Method: SURGE & PURGE
Development Equipment: BAILER & GRUNDFOS PUMP
Casing Diameter: 2"

Beginning Measurments
Depth to Water (ft): 45.3
Total depth of Well (ft): ~~58.6~~ OKA 57.6

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
:	8	45.46							
14:30	~~443~~ Ø								
15:00		45.3							2-3-00 pump esi
15:10									start pump
15:30	~~4~~ 12	49							Pump stops
15:35	14	49	4.98	.055	>1000	5.17	18.8	Brown	
15:45	17	51.8	4.85	.030	>1000	6.17	18.4		

Parcel No.: FTA 500
Well ID: MW 01
Date: 2-3-00

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
16:00	22	50.30	4.91	.031	>1000	5.71	18.6	CLOUDY	
16:15	24	49.40	4.78	0.026	>1000	6.02	17.5	"	
16:30	28	49.20	4.83	.027	613	6.95	17.4	"	STOP PUMP
:									
08:00	28	45.50							2-4-00
08:20	30	47.0	4.56 ~~6.51~~ BH	.048	>1000	6.51	14.4	Brown, cloudy	start pump
08:40	33	47.52	4.59	.028	>1000	6.53	17.1	"	
09:00	37	48.90	4.62	0.024	233	6.80	16.9	"	
09:20	41	49.10	4.65	0.022	79.2	8.30	17.2	Cloudy	
09:40	45	49.25	4.68	0.021	45.3	8.25	17.0		
10:00	49	49.34	4.68	0.019	22.5	8.56	17.8	CLEAR	MOVE PUMP AFTER READING TO 54' TOC
10:20	53	49.7	4.68	0.017	78.5	6.50	17.6	"	
10:40	55	49.4	4.78	0.017	52.1	8.05	17.5	"	

Parcel No.: FTA-500
Well ID: MW01
Date: 2-3-00

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
11:00									PUMP STOPED. SURGE TO CLEAN. RESTART.
11:05	57	47.4	4.90	0.020	>1000	7.65	17.2	Brown, cloudy	
11:20	~~40~~ BK 58	47.5	4.87	0.019	412	7.36	18.5	CLOUDY	
11:40	60	47.7	4.85	0.018	284	8.06	17.6	"	
12:00	62	47.50	4.92	0.019	273	8.22	17.6	"	MOVE PUMP TO 51' TOC AFTER READING.
12:20									Generator Stops & OUT OF FUEL Restart
12:30	65	47.82	~~0~~ 4.88	0.021	759	8.07	18.2	"	
12:40	67	48.40	5.03	0.021	604	8.02	18.6	"	
13:00	71	48.48	4.89	0.019	456	7.85	18.3		
13:20	74	48.85	5.00	0.019	740	8.14	17.6		
13:40	77	49.0	4.92	0.017	428	7.75	18.0		
14:00	79	48.9	4.82	0.017	377	7.78	18.1		

Parcel No.: FTA500
Well ID: MW01
Date: 2-4-00

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
14:20	84	48.85	4.83	0.017	>1000	7.97	18.2	cloudy	pump stops ~~[illegible]~~ again. Restart
14:40	89	49.20	4.76	0.017	506	7.86	18.0		
15:00	93	49.34	4.76	0.017	417	7.87	17.9		STOP DEVELOPE
15:20									TAKE SAMPLE ~~FOR~~ PHOTOGRAPH
:									
:									
:									
:									
:									
:									
:									
:									

Groundwater Well Development Log

Fort McClellan , Alabama

COMPLETED 2/28/00

Project Number: 774645
Form Completed by: BILL HUDSON
Well Developed by (person/firm): BILL HUDSON IT

Parcel No.: FTA-500
Well No.: ~~FTA500~~MW-02
Date started: 1-26-00

Monitoring Well Information

PAD & STICKUP NOT SET. MEASUREMENTS FROM TOC WHICH IS 1.8' ABOVE GROUND LEVEL.

Development Method: Pumping
Development Equipment: SURGE & PURGE WHALE PUMP
Casing Diameter: 2"

Beginning Measurments
Depth to Water (ft): BH 47.27' TOC
Total depth of Well (ft): 71.4'

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
14:30	10	47.27	5.95	.388	>1000	5.00	15.4	BROWN, THICK	PUMP @ ~66' TOC MEDIUM-STRONG PETROLEUM ODOR
14:50	15	61.92	5.92	.372 BH	>1000	7.77	15.1	"	PUMPING @ 0.3 gal/min
15:00	18	60.40	5.96	.348	>1000	7.25	15.5	Brown	
15:15	21	58.15	5.94	.324	>1000	7.12	14.9	"	increase rate to pump dry @ 66'
15:30	24		5.84	.274	>1000	6.83	15.3	"	
15:45	30								DRY @ 66'
1.25 :									

38.162
.48

Parcel No.: FTA 500
Well ID: MW 02
Date: 1-27-00
CONTINUED FROM 1-26-00

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
12:05	30								1-27-00
12:21	30	49.61	5.78	.417	>1000	9.17	14.5	THICK BROWN	1-27-00 START PUMP
12:35	~~35~~ 37	57.2	5.77	.200	>1000	9.16	13.5	"	.2 gal/min 10 min .1 gal/min BH 1 gal/min 5 min
12:50	40	54.95	5.85	0.221	>1000	7.64	14.2	"	.1 gal/min 15 min .1 gal/min BH
13:05	43	55.01	6.03	.219	>1000	7.50	14.3	"	
13:20	47	55.14	5.81	.192	>1000	7.90	14.8	"	speed up pump a tad. well is drawing down slowly. .2 gal/min
13:35	49	56.02	5.93	.184	>1000	7.86	15.1	Brown	Clearing up some, still >1000 NTU's
13:50	52	56.52	5.78	.169	>1000	7.66	15.2	"	
14:05	55	56.80	5.84	.174	241	7.69	14.9	CLOUDY	
14:20	58	57.00	5.79	.192	200	7.63	15.3	"	
14:35					56				STOP PUMPING.
:									
:									

25

Parcel No: FTA-500
Well ID: MW02
Date: 1-31-00

CONTINUED FROM 1/27

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
10:20	30	48.35					P.I.D.=0.0		01-31-00 START PUMP
10:20	31	51.10	5.82	.252	>1000	8.18	13.1	Thick Brown	pump rate ~0.15 gal/min
10:35	33	52.78	5.87	.198	>1000	7.42	14.8	"	
10:50	34	53.31	5.83	.170	>1000	7.11	14.9	"	
11:05	35	53.86	5.90	.177	>1000	6.89	15.8	"	
11:20	36	54.48	5.94	.164	>1000	6.53	16.5	"	Increase pump rate to 0.25 gal minutes
11:35	39	57.65	5.93	.158	>1000	7.60	16.3	"	
11:50	42	58.51	5.96	.180	>1000	7.88	16.9	CLOUDY BROWN	
12:05	45	61.43	5.85	0.157	>1000	5.46	16.7		
12:20	47	62.28	5.99	.224	>1000	5.67	17.2		
12:35	50	63.51	6.01	.232	>1000	7.53	17.1		
12:50	53	65.59	6.01	.290	>100	6.12	17.1		

2.6 12:55 DRY.

Parcel No.: FTA -500
Well ID: MW02
Date: 1-31-00

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
12:55	53	73'*							PUMP DRY ~~*should be 71', each~~ ~~measure to bottom pump~~ Top pump @ 71' TOC
:									
15:00	53	53.68							
15:10	57	58.12	6.02	.179	>1000	8.28	15.6	brown cloudy	
15:20	61	63.10	5.94	.120	>1000	8.21	16.4	"	
15:30	71	71.	5.99	.298	>1000	8.17	16.0		
15:35	74								DRY. STOP PUMP.
:									
08:30	74	48.64							2-1-00
08:35	75	49.5'	5.77	.322	>1000	8.94	14.9	cloudy brown	
08:55	79	52.2	5.89	.129	420	8.72	16.7	clearing	water is clearing up. well is producing more today (seems to)
09:10	83								PUMP STOPS
:		47.60							2-4-00 SAMPLE BALED FOR PHOTOGRAPH

APPENDIX D

SURVEY DATA

Appendix D

Survey Data
Trenches West of Iron Mountain Road, Parcel 500(7)
Fort McClellan, Calhoun County, Alabama

Sample Location	Northing	Easting	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)
FTA-500-GP01	1166556.98	664700.86	843.90	NA
FTA-500-GP02	1166477.88	664692.09	848.68	NA
FTA-500-GP03	1166427.16	664726.96	839.67	NA
FTA-500-GP04	1166411.35	664761.27	834.44	NA
FTA-500-MW01	1166537.70	664764.50	832.66	834.19
FTA-500-MW02	1166428.74	664781.73	835.32	836.91
FTA-500-MW03	1166553.74	664543.92	874.47	876.63

Horizontal coordinates referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983 (NAD83).

Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

ft amsl - Feet above mean sea level
NA - Not applicable.

APPENDIX E

SUMMARY OF VALIDATED ANALYTICAL DATA

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010_S													
Aluminum	mg/kg	5650		J	7410		J	7420		J	9420		J
Antimony	mg/kg	6.8	U	U	6.7	U	U	7.1	U	U	7.1	U	U
Arsenic	mg/kg	7.9			5.0			11.3			17.4		
Barium	mg/kg	66.7		J	67.9		J	45.2		J	52.6		J
Beryllium	mg/kg	0.77		J	0.88		J	1.4		J	1.5		J
Cadmium	mg/kg	0.57	U	U	0.56	U	U	0.59	U	U	0.59	U	U
Calcium	mg/kg	598		J	172	B	J	297	B	J	151	B	J
Chromium	mg/kg	8.9		J	13.0		J	10.5		J	13.6		J
Cobalt	mg/kg	10.1		J	13.8		J	20.2		J	26.3		J
Copper	mg/kg	10.4		J	6.8		J	22.9		J	32.0		J
Iron	mg/kg	21100		J	21900		J	32100		J	37800		J
Lead	mg/kg	14.7		J	10.4		J	17.9		J	18.9		J
Magnesium	mg/kg	269	B	J	315	B	J	352	B	J	445	B	J
Manganese	mg/kg	628		J	624		J	593		J	766		J
Nickel	mg/kg	9.8			10.9			22.0			31.8		
Potassium	mg/kg	745			565			890			999		
Selenium	mg/kg	0.57	U	U	0.56	U	U	0.59	U	U	0.59	U	U
Silver	mg/kg	1.1	U	U	1.1	U	U	1.2	U	U	1.2	U	U
Sodium	mg/kg	571	U	U	562	U	U	594	U	U	594	U	U
Thallium	mg/kg	1.4		B	1.2		B	1.0	B	B	1.3		B
Vanadium	mg/kg	19.1		J	25.7		J	28.8		J	33.5		J
Zinc	mg/kg	35.5		J	21.5		J	86.2		J	101		J
SW7471_S													
Mercury	mg/kg	0.10			0.082		B	0.050		B	0.078		B
NITROAROMATI													
SW8330_S													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS										
SW6010_S										
Aluminum	mg/kg	10200		J	8630		J	6470		J
Antimony	mg/kg	6.8	U	U	0.94	B	J	7.5	U	U
Arsenic	mg/kg	6.0			17.7		J	9.9		J
Barium	mg/kg	106		J	72.8		J	72.2		J
Beryllium	mg/kg	1.0		J	1.2		J	0.90		J
Cadmium	mg/kg	0.57	U	U	0.62	U	U	0.62	U	U
Calcium	mg/kg	163	B	J	408	B	J	354	B	J
Chromium	mg/kg	13.8		J	82.8		J	16.1		J
Cobalt	mg/kg	16.5		J	25.6		J	21.1		J
Copper	mg/kg	6.9		J	14.2		J	12.3		J
Iron	mg/kg	16200		J	70300		J	20400		J
Lead	mg/kg	15.3		J	26.8		J	22.6		J
Magnesium	mg/kg	457	B	J	388	B	J	350	B	J
Manganese	mg/kg	1200		J	1190		J	1010		J
Nickel	mg/kg	10.9			17.4			12.9		
Potassium	mg/kg	438	B	J	605	B	J	603	B	J
Selenium	mg/kg	0.57	U	U	0.62	U	U	0.62	U	U
Silver	mg/kg	1.1	U	U	1.2	U	U	1.2	U	U
Sodium	mg/kg	567	U	U	621	U	U	622	U	U
Thallium	mg/kg	1.8		B	1.9		B	1.5		B
Vanadium	mg/kg	21.8		J	49.8		J	21.8		J
Zinc	mg/kg	29.5		J	70.2		J	54.2		J
SW7471_S										
Mercury	mg/kg	0.068		B	0.060		B	0.063		B
NITROAROMATI										
SW8330_S										
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
NITROAROMATI													
SW8330_S													
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
SEMIVOLATILES													
SW8270_S													
1,2,4-Trichlorobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
1,2-Dichlorobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
1,3-Dichlorobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
1,4-Dichlorobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,4,5-Trichlorophenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,4,6-Trichlorophenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,4-Dichlorophenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,4-Dimethylphenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,4-Dinitrophenol	mg/kg	1.8	U	UJ	1.8	U	UJ	1.9	U	UJ	1.9	U	UJ
2,4-Dinitrotoluene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2,6-Dinitrotoluene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2-Chloronaphthalene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2-Chlorophenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2-Methylnaphthalene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2-Methylphenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
2-Nitroaniline	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
2-Nitrophenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
3,3'-Dichlorobenzidine	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
NITROAROMATI										
SW8330_S										
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U
SEMIVOLATILES										
SW8270_S										
1,2,4-Trichlorobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
1,2-Dichlorobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
1,3-Dichlorobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
1,4-Dichlorobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,4,5-Trichlorophenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,4,6-Trichlorophenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,4-Dichlorophenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,4-Dimethylphenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,4-Dinitrophenol	mg/kg	1.8	U	UJ	2	U	UJ	2	U	UJ
2,4-Dinitrotoluene	mg/kg	.37	U	U	.41	U	U	.41	U	U
2,6-Dinitrotoluene	mg/kg	.37	U	U	.41	U	U	.41	U	U
2-Chloronaphthalene	mg/kg	.37	U	U	.41	U	U	.41	U	U
2-Chlorophenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2-Methylnaphthalene	mg/kg	.37	U	U	.41	U	U	.41	U	U
2-Methylphenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
2-Nitroaniline	mg/kg	1.8	U	U	2	U	U	2	U	U
2-Nitrophenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
3,3'-Dichlorobenzidine	mg/kg	1.8	U	U	2	U	U	2	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
3-Nitroaniline	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
4-Bromophenyl phenyl ether	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
4-Chloro-3-methylphenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
4-Chloroaniline	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
4-Chlorophenyl phenyl ether	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
4-Methylphenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
4-Nitroaniline	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
4-Nitrophenol	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
Acenaphthene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Acenaphthylene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Anthracene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Benzo(a)anthracene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Benzo(a)pyrene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Benzo(b)fluoranthene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Benzo(ghi)perylene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Benzo(k)fluoranthene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Butyl benzyl phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Carbazole	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Chrysene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Di-n-butyl phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Di-n-octyl phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Dibenz(a,h)anthracene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Dibenzofuran	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Diethyl phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Dimethyl phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Fluoranthene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Fluorene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Hexachlorobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Hexachlorobutadiene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Hexachlorocyclopentadiene	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
3-Nitroaniline	mg/kg	1.8	U	U	2	U	U	2	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.8	U	U	2	U	UJ	2	U	UJ
4-Bromophenyl phenyl ether	mg/kg	.37	U	U	.41	U	U	.41	U	U
4-Chloro-3-methylphenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
4-Chloroaniline	mg/kg	.37	U	U	.41	U	U	.41	U	U
4-Chlorophenyl phenyl ether	mg/kg	.37	U	U	.41	U	U	.41	U	U
4-Methylphenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
4-Nitroaniline	mg/kg	1.8	U	U	2	U	U	2	U	U
4-Nitrophenol	mg/kg	1.8	U	U	2	U	U	2	U	U
Acenaphthene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Acenaphthylene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Anthracene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Benzo(a)anthracene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Benzo(a)pyrene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Benzo(b)fluoranthene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Benzo(ghi)perylene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Benzo(k)fluoranthene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Butyl benzyl phthalate	mg/kg	.37	U	U	.41	U	U	.41	U	U
Carbazole	mg/kg	.37	U	U	.41	U	U	.41	U	U
Chrysene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Di-n-butyl phthalate	mg/kg	.37	U	U	.41	U	U	.41	U	U
Di-n-octyl phthalate	mg/kg	.37	U	U	.41	U	U	.41	U	U
Dibenz(a,h)anthracene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Dibenzofuran	mg/kg	.37	U	U	.41	U	U	.41	U	U
Diethyl phthalate	mg/kg	.37	U	U	.41	U	U	.41	U	U
Dimethyl phthalate	mg/kg	.37	U	U	.41	U	U	.41	U	U
Fluoranthene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Fluorene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Hexachlorobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Hexachlorobutadiene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Hexachlorocyclopentadiene	mg/kg	1.8	U	U	2	U	U	2	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
Hexachloroethane	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Isophorone	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Naphthalene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Nitrobenzene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Pentachlorophenol	mg/kg	1.8	U	U	1.8	U	U	1.9	U	U	1.9	U	U
Phenanthrene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Phenol	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
Pyrene	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
bis(2-Chloroethoxy)methane	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
bis(2-Chloroethyl)ether	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
n-Nitroso-di-n-propylamine	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
n-Nitrosodiphenylamine	mg/kg	.38	U	U	.37	U	U	.39	U	U	.39	U	U
VOLATILES													
SW8260_S													
1,1,1,2-Tetrachloroethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1,1-Trichloroethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1,2-Trichloroethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1-Dichloroethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1-Dichloroethene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,1-Dichloropropene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,2,3-Trichlorobenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,2,3-Trichloropropane	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0019	J	J	.0059	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.011	U	UJ	.011	U	U	.012	U	UJ	.012	U	UJ
1,2-Dibromoethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
Hexachloroethane	mg/kg	.37	U	U	.41	U	U	.41	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Isophorone	mg/kg	.37	U	U	.41	U	U	.41	U	U
Naphthalene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Nitrobenzene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Pentachlorophenol	mg/kg	1.8	U	U	2	U	U	2	U	U
Phenanthrene	mg/kg	.37	U	U	.41	U	U	.41	U	U
Phenol	mg/kg	.37	U	U	.41	U	U	.41	U	U
Pyrene	mg/kg	.37	U	U	.41	U	U	.41	U	U
bis(2-Chloroethoxy)methane	mg/kg	.37	U	U	.41	U	U	.41	U	U
bis(2-Chloroethyl)ether	mg/kg	.37	U	U	.41	U	U	.41	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.37	U	U	.41	U	UJ	.41	U	UJ
bis(2-Ethylhexyl)phthalate	mg/kg	.37	U	U	.12	J B	B	.1	J B	B
n-Nitroso-di-n-propylamine	mg/kg	.37	U	U	.41	U	U	.41	U	U
n-Nitrosodiphenylamine	mg/kg	.37	U	U	.41	U	U	.41	U	U
VOLATILES										
SW8260_S										
1,1,1,2-Tetrachloroethane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,1,1-Trichloroethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,1,2,2-Tetrachloroethane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,1,2-Trichloroethane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,1-Dichloroethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,1-Dichloroethene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,1-Dichloropropene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,2,3-Trichlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,2,3-Trichloropropane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.011	U	U	.012	U	UJ	.012	U	UJ
1,2-Dibromoethane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

User Test Group / Lab Method	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
	Sample Depth:	0 - 1			0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260_S													
1,2-Dichlorobenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,2-Dichloroethane	mg/kg	.0057	U	U	.0056	U	U	.0022	J	J	.0059	U	U
1,2-Dichloropropane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,2-Dimethylbenzene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,3,5-Trimethylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,3-Dichlorobenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
1,3-Dichloropropane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
1,4-Dichlorobenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
2-Butanone	mg/kg	.023	U	U	.022	U	U	.0093	J	J	.014	J	J
2-Hexanone	mg/kg	.023	U	U	.022	U	U	.024	U	UJ	.024	U	U
4-Methyl-2-pentanone	mg/kg	.023	U	U	.022	U	U	.024	U	UJ	.024	U	U
Acetone	mg/kg	.046			.038			.29		J	.31		
Benzene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Bromobenzene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Bromochloromethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Bromodichloromethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Bromoform	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Bromomethane	mg/kg	.011	U	UJ	.011	U	UJ	.012	U	R	.012	U	UJ
Carbon disulfide	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Carbon tetrachloride	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Chlorobenzene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Chloroethane	mg/kg	.011	U	UJ	.011	U	UJ	.012	U	UJ	.012	U	UJ
Chloroform	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Chloromethane	mg/kg	.011	U	U	.011	U	U	.012	U	UJ	.012	U	U
Cumene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Dibromochloromethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Dibromomethane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Dichlorodifluoromethane	mg/kg	.011	U	UJ	.011	U	UJ	.012	U	UJ	.012	U	UJ
Ethylbenzene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Hexachlorobutadiene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
Methylene chloride	mg/kg	.0041	J B	B	.0042	J B	B	.0057	J B	B	.0052	J B	B

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES										
SW8260_S										
1,2-Dichlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,2-Dichloroethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,2-Dichloropropane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
1,2-Dimethylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,3,5-Trimethylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,3-Dichlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,3-Dichloropropane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
1,4-Dichlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
2-Butanone	mg/kg	.023	U	U	.005	J	J	.025	U	UJ
2-Hexanone	mg/kg	.023	U	U	.025	U	UJ	.025	U	UJ
4-Methyl-2-pentanone	mg/kg	.023	U	U	.025	U	UJ	.025	U	UJ
Acetone	mg/kg	.1			.13		J	.032		J
Benzene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Bromobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Bromochloromethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Bromodichloromethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Bromoform	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Bromomethane	mg/kg	.011	U	R	.012	U	UJ	.012	U	UJ
Carbon disulfide	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Carbon tetrachloride	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Chlorobenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Chloroethane	mg/kg	.011	U	UJ	.012	U	UJ	.012	U	UJ
Chloroform	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Chloromethane	mg/kg	.011	U	U	.012	U	U	.012	U	UJ
Cumene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Dibromochloromethane	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Dibromomethane	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Dichlorodifluoromethane	mg/kg	.011	U	U	.012	U	UJ	.012	U	UJ
Ethylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Hexachlorobutadiene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Methylene chloride	mg/kg	.004	J B	B	.0063	B	B	.0059	J B	B

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0001			CG0003			CG0005			CG0007		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			09-DEC-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
Naphthalene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
Styrene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Tetrachloroethene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Toluene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Trichloroethene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
Trichlorofluoromethane	mg/kg	.0033	J	J	.003	J	J	.0019	J	J	.0029	J	J
Vinyl chloride	mg/kg	.011	U	U	.011	U	U	.012	U	UJ	.012	U	U
cis-1,2-Dichloroethene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
cis-1,3-Dichloropropene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
m,p-Xylenes	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
n-Butylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
n-Propylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
o-Chlorotoluene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
p-Chlorotoluene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
p-Cymene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0052	J	J
sec-Butylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
sec-Dichloropropane	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
tert-Butylbenzene	mg/kg	.0057	U	UJ	.0056	U	U	.0059	U	UJ	.0059	U	UJ
trans-1,2-Dichloroethene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U
trans-1,3-Dichloropropene	mg/kg	.0057	U	U	.0056	U	U	.0059	U	UJ	.0059	U	U

Summary of Validated Surface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500			FTA-500		
	Sample No:	CG0009			CG0011			CG0012		
	Sample Date:	09-DEC-99			14-DEC-99			14-DEC-99		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES										
SW8260_S										
Naphthalene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Styrene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Tetrachloroethene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Toluene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
Trichloroethene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
Trichlorofluoromethane	mg/kg	.011	U	U	.012	U	U	.012	U	UJ
Vinyl chloride	mg/kg	.011	U	U	.012	U	U	.012	U	UJ
cis-1,2-Dichloroethene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
cis-1,3-Dichloropropene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
m,p-Xylenes	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
n-Butylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
n-Propylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
o-Chlorotoluene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
p-Chlorotoluene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
p-Cymene	mg/kg	.00089	J	J	.03		J	.0026	J	J
sec-Butylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
sec-Dichloropropane	mg/kg	.0057	U	UJ	.0062	U	U	.0062	U	UJ
tert-Butylbenzene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ
trans-1,2-Dichloroethene	mg/kg	.0057	U	U	.0062	U	U	.0062	U	UJ
trans-1,3-Dichloropropene	mg/kg	.0057	U	U	.0062	U	UJ	.0062	U	UJ

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

User Test Group / Lab Method	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0002			CG0004			CG0006			CG0008		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
	Sample Depth:	2 - 4			2 - 4			2 - 3.5			2 - 3		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
METALS													
SW6010_S													
Aluminum	mg/kg	6110		J	9110		J	5920		J	5840		J
Antimony	mg/kg	7.0	U	U	7.0	U	U	7.5	U	U	7.2	U	U
Arsenic	mg/kg	9.4			6.0			11.7			15.6		
Barium	mg/kg	77.3		J	25.5		J	16.7	B	J	13.9	B	J
Beryllium	mg/kg	1.1		J	0.72		J	1.6		J	2.0		J
Cadmium	mg/kg	0.58	U	U	0.58	U	U	0.62	U	U	0.60	U	U
Calcium	mg/kg	193	B	J	31.9	B	J	622	U	UJ	18.5	B	J
Chromium	mg/kg	19.7		J	20.5		J	8.8		J	8.4		J
Cobalt	mg/kg	14.2		J	4.9	B	J	9.0		J	12.9		J
Copper	mg/kg	15.2		J	18.5		J	27.4		J	29.5		J
Iron	mg/kg	36100		J	35400		J	36400		J	38700		J
Lead	mg/kg	16.4		J	9.2		J	16.7		J	12.8		J
Magnesium	mg/kg	218	B	J	317	B	J	181	B	J	254	B	J
Manganese	mg/kg	827		J	149		J	225		J	216		J
Nickel	mg/kg	15.0			10.2			23.4			32.0		
Potassium	mg/kg	858			1340			768			708		
Selenium	mg/kg	0.58	U	U	0.58	U	U	0.62	U	U	0.60	U	U
Silver	mg/kg	1.2	U	U	1.2	U	U	1.2	U	U	1.2	U	U
Sodium	mg/kg	580	U	U	581	U	U	622	U	U	597	U	U
Thallium	mg/kg	1.0	B	B	0.56	B	B	0.95	B	B	0.87	B	B
Vanadium	mg/kg	28.2		J	41.9		J	30.1		J	26.0		J
Zinc	mg/kg	53.7		J	29.9		J	95.2		J	120		J
SW7471_S													
Mercury	mg/kg	0.16			0.065		B	0.037	B	B	0.040		B
NITROAROMATI													
SW8330_S													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	6 - 8			2 - 4		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS							
SW6010_S							
Aluminum	mg/kg	9660		J	10400		J
Antimony	mg/kg	7.4	U	U	6.8	U	U
Arsenic	mg/kg	18.8			16.1		
Barium	mg/kg	39.5		J	43.4		J
Beryllium	mg/kg	1.6		J	1.4		J
Cadmium	mg/kg	0.62	U	U	0.56	U	U
Calcium	mg/kg	64.9	B	J	233	B	J
Chromium	mg/kg	18.2		J	12.5		J
Cobalt	mg/kg	10.2		J	22.5		J
Copper	mg/kg	26.0		J	19.3		J
Iron	mg/kg	44100		J	32500		J
Lead	mg/kg	19.8		J	16.7		J
Magnesium	mg/kg	387	B	J	585		J
Manganese	mg/kg	450		J	623		J
Nickel	mg/kg	23.8			22.4		
Potassium	mg/kg	818			670		
Selenium	mg/kg	0.62	U	U	0.56	U	U
Silver	mg/kg	1.2	U	U	1.1	U	U
Sodium	mg/kg	615	U	U	565	U	U
Thallium	mg/kg	1.6		B	1.3		B
Vanadium	mg/kg	38.7		J	32.4		J
Zinc	mg/kg	85.5		J	68.3		J
SW7471_S							
Mercury	mg/kg	0.065		B	0.075		B
NITROAROMATI							
SW8330_S							
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0002			CG0004			CG0006			CG0008		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	2 - 4			2 - 4			2 - 3.5			2 - 3		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
NITROAROMATI													
SW8330_S													
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
SEMIVOLATILES													
SW8270_S													
1,2,4-Trichlorobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
1,2-Dichlorobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
1,3-Dichlorobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
1,4-Dichlorobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,4,5-Trichlorophenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,4,6-Trichlorophenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,4-Dichlorophenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,4-Dimethylphenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,4-Dinitrophenol	mg/kg	1.9	U	UJ	1.9	U	UJ	2	U	UJ	1.9	U	UJ
2,4-Dinitrotoluene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2,6-Dinitrotoluene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2-Chloronaphthalene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2-Chlorophenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2-Methylnaphthalene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2-Methylphenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
2-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
2-Nitrophenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
3,3'-Dichlorobenzidine	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group / Lab Method	Sample Depth:	6 - 8			2 - 4		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual
NITROAROMATI							
SW8330_S							
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
SEMIVOLATILES							
SW8270_S							
1,2,4-Trichlorobenzene	mg/kg	.41	U	U	.37	U	U
1,2-Dichlorobenzene	mg/kg	.41	U	U	.37	U	U
1,3-Dichlorobenzene	mg/kg	.41	U	U	.37	U	U
1,4-Dichlorobenzene	mg/kg	.41	U	U	.37	U	U
2,4,5-Trichlorophenol	mg/kg	.41	U	U	.37	U	U
2,4,6-Trichlorophenol	mg/kg	.41	U	U	.37	U	U
2,4-Dichlorophenol	mg/kg	.41	U	U	.37	U	U
2,4-Dimethylphenol	mg/kg	.41	U	U	.37	U	U
2,4-Dinitrophenol	mg/kg	2	U	UJ	1.8	U	UJ
2,4-Dinitrotoluene	mg/kg	.41	U	U	.37	U	U
2,6-Dinitrotoluene	mg/kg	.41	U	U	.37	U	U
2-Chloronaphthalene	mg/kg	.41	U	U	.37	U	U
2-Chlorophenol	mg/kg	.41	U	U	.37	U	U
2-Methylnaphthalene	mg/kg	.41	U	U	.37	U	U
2-Methylphenol	mg/kg	.41	U	U	.37	U	U
2-Nitroaniline	mg/kg	2	U	U	1.8	U	U
2-Nitrophenol	mg/kg	.41	U	U	.37	U	U
3,3'-Dichlorobenzidine	mg/kg	2	U	U	1.8	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0002			CG0004			CG0006			CG0008		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
User Test Group	*Sample Depth:*	2 - 4			2 - 4			2 - 3.5			2 - 3		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
3-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
4-Bromophenyl phenyl ether	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
4-Chloro-3-methylphenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
4-Chloroaniline	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
4-Chlorophenyl phenyl ether	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
4-Methylphenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
4-Nitroaniline	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
4-Nitrophenol	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
Acenaphthene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Acenaphthylene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Anthracene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Benzo(a)anthracene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Benzo(a)pyrene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Benzo(b)fluoranthene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Benzo(ghi)perylene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Benzo(k)fluoranthene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Butyl benzyl phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Carbazole	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Chrysene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Di-n-butyl phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Di-n-octyl phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Dibenz(a,h)anthracene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Dibenzofuran	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Diethyl phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Dimethyl phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Fluoranthene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Fluorene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Hexachlorobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Hexachlorobutadiene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Hexachlorocyclopentadiene	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group	*Sample Depth:*	6 - 8			2 - 4		
Lab Method							
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES							
SW8270_S							
3-Nitroaniline	mg/kg	2	U	U	1.8	U	U
4,6-Dinitro-2-methylphenol	mg/kg	2	U	U	1.8	U	UJ
4-Bromophenyl phenyl ether	mg/kg	.41	U	U	.37	U	U
4-Chloro-3-methylphenol	mg/kg	.41	U	U	.37	U	U
4-Chloroaniline	mg/kg	.41	U	U	.37	U	U
4-Chlorophenyl phenyl ether	mg/kg	.41	U	U	.37	U	U
4-Methylphenol	mg/kg	.41	U	U	.37	U	U
4-Nitroaniline	mg/kg	2	U	U	1.8	U	U
4-Nitrophenol	mg/kg	2	U	U	1.8	U	U
Acenaphthene	mg/kg	.41	U	U	.37	U	U
Acenaphthylene	mg/kg	.41	U	U	.37	U	U
Anthracene	mg/kg	.41	U	U	.37	U	U
Benzo(a)anthracene	mg/kg	.41	U	U	.37	U	U
Benzo(a)pyrene	mg/kg	.41	U	U	.37	U	U
Benzo(b)fluoranthene	mg/kg	.41	U	U	.37	U	U
Benzo(ghi)perylene	mg/kg	.41	U	U	.37	U	U
Benzo(k)fluoranthene	mg/kg	.41	U	U	.37	U	U
Butyl benzyl phthalate	mg/kg	.41	U	U	.37	U	U
Carbazole	mg/kg	.41	U	U	.37	U	U
Chrysene	mg/kg	.41	U	U	.37	U	U
Di-n-butyl phthalate	mg/kg	.41	U	U	.37	U	U
Di-n-octyl phthalate	mg/kg	.41	U	U	.37	U	U
Dibenz(a,h)anthracene	mg/kg	.41	U	U	.37	U	U
Dibenzofuran	mg/kg	.41	U	U	.37	U	U
Diethyl phthalate	mg/kg	.41	U	U	.37	U	U
Dimethyl phthalate	mg/kg	.41	U	U	.37	U	U
Fluoranthene	mg/kg	.41	U	U	.37	U	U
Fluorene	mg/kg	.41	U	U	.37	U	U
Hexachlorobenzene	mg/kg	.41	U	U	.37	U	U
Hexachlorobutadiene	mg/kg	.41	U	U	.37	U	U
Hexachlorocyclopentadiene	mg/kg	2	U	U	1.8	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0002			CG0004			CG0006			CG0008		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*	2 - 4			2 - 4			2 - 3.5			2 - 3		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
Hexachloroethane	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Isophorone	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Naphthalene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Nitrobenzene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Pentachlorophenol	mg/kg	1.9	U	U	1.9	U	U	2	U	U	1.9	U	U
Phenanthrene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Phenol	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
Pyrene	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
bis(2-Chloroethoxy)methane	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
bis(2-Chloroethyl)ether	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
n-Nitroso-di-n-propylamine	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
n-Nitrosodiphenylamine	mg/kg	.38	U	U	.38	U	U	.41	U	U	.39	U	U
VOLATILES													
SW8260_S													
1,1,1,2-Tetrachloroethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1,1-Trichloroethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1,2-Trichloroethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1-Dichloroethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1-Dichloroethene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,1-Dichloropropene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2,3-Trichlorobenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2,3-Trichloropropane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2,4-Trichlorobenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2,4-Trimethylbenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.012	U	U	.012	U	U	.012	U	UJ	.012	U	U
1,2-Dibromoethane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group / Lab Method	Sample Depth:	6 - 8			2 - 4		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES							
SW8270_S							
Hexachloroethane	mg/kg	.41	U	U	.37	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.41	U	U	.37	U	U
Isophorone	mg/kg	.41	U	U	.37	U	U
Naphthalene	mg/kg	.41	U	U	.37	U	U
Nitrobenzene	mg/kg	.41	U	U	.37	U	U
Pentachlorophenol	mg/kg	2	U	U	1.8	U	U
Phenanthrene	mg/kg	.41	U	U	.37	U	U
Phenol	mg/kg	.41	U	U	.37	U	U
Pyrene	mg/kg	.41	U	U	.37	U	U
bis(2-Chloroethoxy)methane	mg/kg	.41	U	U	.37	U	U
bis(2-Chloroethyl)ether	mg/kg	.41	U	U	.37	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.41	U	U	.37	U	UJ
bis(2-Ethylhexyl)phthalate	mg/kg	.41	U	U	.37	U	U
n-Nitroso-di-n-propylamine	mg/kg	.41	U	U	.37	U	U
n-Nitrosodiphenylamine	mg/kg	.41	U	U	.37	U	U
VOLATILES							
SW8260_S							
1,1,1,2-Tetrachloroethane	mg/kg	.0081	U	U	.0056	U	U
1,1,1-Trichloroethane	mg/kg	.0081	U	U	.0056	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0081	U	U	.0056	U	U
1,1,2-Trichloroethane	mg/kg	.0081	U	U	.0056	U	U
1,1-Dichloroethane	mg/kg	.0081	U	U	.0056	U	U
1,1-Dichloroethene	mg/kg	.0081	U	U	.0056	U	U
1,1-Dichloropropene	mg/kg	.0081	U	U	.0056	U	U
1,2,3-Trichlorobenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,2,3-Trichloropropane	mg/kg	.0081	U	U	.0056	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.016	U	U	.011	U	UJ
1,2-Dibromoethane	mg/kg	.0081	U	U	.0056	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:		FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:		FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:		CG0002			CG0004			CG0006			CG0008		
	Sample Date:		09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
User Test Group / *Lab Method*	*Sample Depth:*		2 - 4			2 - 4			2 - 3.5			2 - 3		
Parameter	*Units*		*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260_S														
1,2-Dichlorobenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2-Dichloroethane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2-Dichloropropane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,2-Dimethylbenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,3,5-Trimethylbenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,3-Dichlorobenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,3-Dichloropropane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
1,4-Dichlorobenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
2-Butanone	mg/kg		.023	U	U	.023	U	U	.025	U	UJ	.024	U	U
2-Hexanone	mg/kg		.023	U	U	.023	U	U	.025	U	UJ	.024	U	U
4-Methyl-2-pentanone	mg/kg		.023	U	U	.023	U	U	.025	U	UJ	.024	U	U
Acetone	mg/kg		.023	U	U	.023			.017	J	J	.024	U	U
Benzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Bromobenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Bromochloromethane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Bromodichloromethane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Bromoform	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Bromomethane	mg/kg		.012	U	UJ	.012	U	UJ	.012	U	R	.012	U	R
Carbon disulfide	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Carbon tetrachloride	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Chlorobenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Chloroethane	mg/kg		.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	UJ
Chloroform	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Chloromethane	mg/kg		.012	U	U	.012	U	U	.012	U	UJ	.012	U	U
Cumene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Dibromochloromethane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Dibromomethane	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Dichlorodifluoromethane	mg/kg		.012	U	UJ	.012	U	UJ	.012	U	UJ	.012	U	U
Ethylbenzene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Hexachlorobutadiene	mg/kg		.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Methylene chloride	mg/kg		.0048	J B	B	.004	J B	B	.0058	J B	B	.0055	J B	B

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group / Lab Method	Sample Depth:	6 - 8			2 - 4		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual
VOLATILES							
SW8260_S							
1,2-Dichlorobenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,2-Dichloroethane	mg/kg	.0081	U	U	.0056	U	U
1,2-Dichloropropane	mg/kg	.0081	U	U	.0056	U	U
1,2-Dimethylbenzene	mg/kg	.0081	U	U	.0056	U	U
1,3,5-Trimethylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,3-Dichlorobenzene	mg/kg	.0081	U	U	.0056	U	UJ
1,3-Dichloropropane	mg/kg	.0081	U	U	.0056	U	U
1,4-Dichlorobenzene	mg/kg	.0081	U	U	.0056	U	UJ
2-Butanone	mg/kg	.032	U	U	.023	U	U
2-Hexanone	mg/kg	.032	U	U	.023	U	U
4-Methyl-2-pentanone	mg/kg	.032	U	U	.023	U	U
Acetone	mg/kg	.032	U	U	.046		
Benzene	mg/kg	.0081	U	U	.0056	U	U
Bromobenzene	mg/kg	.0081	U	U	.0056	U	U
Bromochloromethane	mg/kg	.0081	U	U	.0056	U	U
Bromodichloromethane	mg/kg	.0081	U	U	.0056	U	U
Bromoform	mg/kg	.0081	U	U	.0056	U	U
Bromomethane	mg/kg	.016	U	UJ	.011	U	UJ
Carbon disulfide	mg/kg	.0081	U	U	.0056	U	U
Carbon tetrachloride	mg/kg	.0081	U	U	.0056	U	U
Chlorobenzene	mg/kg	.0081	U	U	.0056	U	U
Chloroethane	mg/kg	.016	U	UJ	.011	U	UJ
Chloroform	mg/kg	.0081	U	U	.0056	U	U
Chloromethane	mg/kg	.016	U	U	.011	U	U
Cumene	mg/kg	.0081	U	U	.0056	U	U
Dibromochloromethane	mg/kg	.0081	U	U	.0056	U	U
Dibromomethane	mg/kg	.0081	U	U	.0056	U	U
Dichlorodifluoromethane	mg/kg	.016	U	UJ	.011	U	UJ
Ethylbenzene	mg/kg	.0081	U	U	.0056	U	U
Hexachlorobutadiene	mg/kg	.0081	U	U	.0056	U	UJ
Methylene chloride	mg/kg	.0086	B	B	.0051	J B	B

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-GP01			FTA-500-GP02			FTA-500-GP03			FTA-500-GP04		
	Associated Site:	FTA-500			FTA-500			FTA-500			FTA-500		
	Sample No:	CG0002			CG0004			CG0006			CG0008		
	Sample Date:	09-DEC-99			09-DEC-99			09-DEC-99			10-DEC-99		
User Test Group / Lab Method	Sample Depth:	2 - 4			2 - 4			2 - 3.5			2 - 3		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260_S													
Naphthalene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Styrene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Tetrachloroethene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Toluene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Trichloroethene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
Trichlorofluoromethane	mg/kg	.0037	J	J	.0034	J	J	.0031	J	J	.012	U	U
Vinyl chloride	mg/kg	.012	U	U	.012	U	U	.012	U	UJ	.012	U	U
cis-1,2-Dichloroethene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
cis-1,3-Dichloropropene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
m,p-Xylenes	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
n-Butylbenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
n-Propylbenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
o-Chlorotoluene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
p-Chlorotoluene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
p-Cymene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
sec-Butylbenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
sec-Dichloropropane	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	UJ
tert-Butylbenzene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
trans-1,2-Dichloroethene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U
trans-1,3-Dichloropropene	mg/kg	.0058	U	U	.0058	U	U	.0062	U	UJ	.006	U	U

Summary of Validated Subsurface Soil Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:	FTA-500-MW01			FTA-500-MW02		
	Associated Site:	FTA-500			FTA-500		
	Sample No:	CG0010			CG0014		
	Sample Date:	09-DEC-99			10-DEC-99		
User Test Group	*Sample Depth:*	6 - 8			2 - 4		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES							
SW8260_S							
Naphthalene	mg/kg	.0081	U	U	.0056	U	UJ
Styrene	mg/kg	.0081	U	U	.0056	U	U
Tetrachloroethene	mg/kg	.0081	U	U	.0056	U	U
Toluene	mg/kg	.0081	U	U	.0056	U	U
Trichloroethene	mg/kg	.0081	U	U	.0056	U	U
Trichlorofluoromethane	mg/kg	.01	J	J	.0044	J	J
Vinyl chloride	mg/kg	.016	U	U	.011	U	U
cis-1,2-Dichloroethene	mg/kg	.0081	U	U	.0056	U	U
cis-1,3-Dichloropropene	mg/kg	.0081	U	U	.0056	U	U
m,p-Xylenes	mg/kg	.0081	U	U	.0056	U	U
n-Butylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
n-Propylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
o-Chlorotoluene	mg/kg	.0081	U	U	.0056	U	UJ
p-Chlorotoluene	mg/kg	.0081	U	U	.0056	U	UJ
p-Cymene	mg/kg	.0081	U	U	.0056	U	UJ
sec-Butylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
sec-Dichloropropane	mg/kg	.0081	U	U	.0056	U	U
tert-Butylbenzene	mg/kg	.0081	U	U	.0056	U	UJ
trans-1,2-Dichloroethene	mg/kg	.0081	U	U	.0056	U	U
trans-1,3-Dichloropropene	mg/kg	.0081	U	U	.0056	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

		Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
		Associated Site:	FTA-500			FTA-500			FTA-500		
		Sample No:	CG3001			CG3002			CG3003		
		Sample Date:	04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / Lab Method	*Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS												
SW6010_W												
	Aluminum		mg/L	.301		B	3.12			4.37		
	Antimony		mg/L	.06	U	U	.06	U	U	.06	U	U
	Arsenic		mg/L	.01	U	U	.01	U	U	.0041	B	J
	Barium		mg/L	.0136	B	J	.038	B	J	.0468	B	J
	Beryllium		mg/L	.005	U	U	.001	B	J	.0015	B	J
	Cadmium		mg/L	.005	U	U	.005	U	U	.005	U	U
	Calcium		mg/L	.507	B	B	12.7			12.9		
	Chromium		mg/L	.01	U	U	.0163			.0192		
	Cobalt		mg/L	.0049	B	J	.0036	B	J	.0048	B	J
	Copper		mg/L	.025	U	U	.0063	B	B	.01	B	B
	Iron		mg/L	.151		B	6.91			9.7		
	Lead		mg/L	.003	U	U	.003	U	U	.0029	B	J
	Magnesium		mg/L	.279	B	B	1.74	B	J	1.88	B	J
	Manganese		mg/L	.141			.358			.395		
	Nickel		mg/L	.0028	B	J	.0207	B	J	.0262	B	J
	Potassium		mg/L	1.76	B	J	3.04	B	J	3.31	B	J
	Selenium		mg/L	.005	U	U	.005	U	U	.005	U	U
	Silver		mg/L	.01	U	U	.01	U	U	.01	U	U
	Sodium		mg/L	.834	B	J	1.43	B	J	1.39	B	J
	Thallium		mg/L	.0054	B	J	.0048	B	B	.01	U	U
	Vanadium		mg/L	.05	U	U	.0087	B	J	.0126	B	J
	Zinc		mg/L	.0058	B	J	.0501		B	.0663		B
SW7470_W												
	Mercury		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
NITROAROMATI												
SW8330_W												
	1,3,5-Trinitrobenzene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
	1,3-Dinitrobenzene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
	2,4,6-Trinitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
	2,4-Dinitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

		Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
		Associated Site:	FTA-500			FTA-500			FTA-500		
		Sample No:	CG3001			CG3002			CG3003		
		Sample Date:	04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
NITROAROMATI											
SW8330_W											
2,6-Dinitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
2-Nitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
3-Nitrotoluene		mg/L	.0012	GU	U	.0003	GU	U	.00037	GU	U
4-Amino-2,6-dinitrotoluene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
HMX		mg/L	.0005	U	U	.0005	U	U	.0005	U	U
Nitrobenzene		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
RDX		mg/L	.0005	U	U	.0005	U	U	.0005	U	U
Tetryl		mg/L	.0002	U	U	.0002	U	U	.0002	U	U
p-Nitrotoluene		mg/L	.00028	GU	U	.00026	GU	U	.00034	GU	U
SEMIVOLATILES											
SW8270_W											
1,2,4-Trichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
1,2-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
1,3-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
1,4-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
2,4,5-Trichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U
2,4,6-Trichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U
2,4-Dichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U
2,4-Dimethylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U
2,4-Dinitrophenol		mg/L	.05	U	U	.05	U	UJ	.05	U	UJ
2,4-Dinitrotoluene		mg/L	.01	U	U	.01	U	U	.01	U	U
2,6-Dinitrotoluene		mg/L	.01	U	U	.01	U	U	.01	U	U
2-Chloronaphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U
2-Chlorophenol		mg/L	.01	U	U	.01	U	UJ	.01	U	UJ
2-Methylnaphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U
2-Methylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U
2-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U
2-Nitrophenol		mg/L	.01	U	U	.01	U	U	.01	U	U
3,3'-Dichlorobenzidine		mg/L	.05	U	U	.05	U	U	.05	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

		Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
		Associated Site:	FTA-500			FTA-500			FTA-500		
		Sample No:	CG3001			CG3002			CG3003		
		Sample Date:	04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES											
SW8270_W											
3-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U
4,6-Dinitro-2-methylphenol		mg/L	.05	U	U	.05	U	UJ	.05	U	UJ
4-Bromophenyl phenyl ether		mg/L	.01	U	U	.01	U	U	.01	U	U
4-Chloro-3-methylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U
4-Chloroaniline		mg/L	.01	U	U	.01	U	U	.01	U	U
4-Chlorophenyl phenyl ether		mg/L	.01	U	U	.01	U	U	.01	U	U
4-Methylphenol		mg/L	.01	U	UJ	.01	U	U	.01	U	U
4-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U
4-Nitrophenol		mg/L	.05	U	U	.05	U	UJ	.05	U	UJ
Acenaphthene		mg/L	.01	U	U	.01	U	U	.01	U	U
Acenaphthylene		mg/L	.01	U	U	.01	U	U	.01	U	U
Anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U
Benzo(a)anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U
Benzo(a)pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U
Benzo(b)fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U
Benzo(ghi)perylene		mg/L	.01	U	U	.01	U	U	.01	U	U
Benzo(k)fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U
Butyl benzyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
Carbazole		mg/L	.01	U	U	.01	U	U	.01	U	U
Chrysene		mg/L	.01	U	U	.01	U	U	.01	U	U
Di-n-butyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
Di-n-octyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
Dibenz(a,h)anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U
Dibenzofuran		mg/L	.01	U	U	.01	U	U	.01	U	U
Diethyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
Dimethyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
Fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U
Fluorene		mg/L	.01	U	U	.01	U	U	.01	U	U
Hexachlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
Hexachlorobutadiene		mg/L	.01	U	U	.01	U	U	.01	U	U
Hexachlorocyclopentadiene		mg/L	.05	U	U	.05	U	U	.05	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

		Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
		Associated Site:	FTA-500			FTA-500			FTA-500		
		Sample No:	CG3001			CG3002			CG3003		
		Sample Date:	04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / Lab Method *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES											
SW8270_W											
Hexachloroethane		mg/L	.01	U	U	.01	U	U	.01	U	U
Indeno(1,2,3-cd)pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U
Isophorone		mg/L	.01	U	U	.01	U	U	.01	U	U
Naphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U
Nitrobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U
Pentachlorophenol		mg/L	.05	U	U	.05	U	UJ	.05	U	UJ
Phenanthrene		mg/L	.01	U	U	.01	U	U	.01	U	U
Phenol		mg/L	.01	U	U	.01	U	UJ	.01	U	UJ
Pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroethoxy)methane		mg/L	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroethyl)ether		mg/L	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroisopropyl)ether		mg/L	.01	U	U	.01	U	U	.01	U	U
bis(2-Ethylhexyl)phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U
n-Nitroso-di-n-propylamine		mg/L	.01	U	U	.01	U	U	.01	U	U
n-Nitrosodiphenylamine		mg/L	.01	U	U	.01	U	U	.01	U	U
VOLATILES											
SW8260_W											
1,1,1,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1,1-Trichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1,2,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1,2-Trichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloropropene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,2,3-Trichlorobenzene		mg/L	.001	U	UJ	.001	U	U	.001	U	U
1,2,3-Trichloropropane		mg/L	.001	U	R	.001	U	R	.001	U	R
1,2,4-Trichlorobenzene		mg/L	.001	U	UJ	.001	U	U	.001	U	U
1,2,4-Trimethylbenzene		mg/L	.001	U	UJ	.001	U	U	.001	U	U
1,2-Dibromo-3-Chloropropane		mg/L	.002	U	R	.002	U	R	.002	U	R
1,2-Dibromoethane		mg/L	.001	U	U	.001	U	U	.001	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

	Location Code:		FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
	Associated Site:		FTA-500			FTA-500			FTA-500		
	Sample No:		CG3001			CG3002			CG3003		
	Sample Date:		04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES											
SW8260_W											
1,2-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,2-Dichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,2-Dichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,2-Dimethylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,3,5-Trimethylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,3-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
1,3-Dichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U
1,4-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
2-Butanone		mg/L	.005	U	R	.005	U	R	.005	U	R
2-Hexanone		mg/L	.005	U	UJ	.005	U	U	.005	U	U
4-Methyl-2-pentanone		mg/L	.005	U	U	.005	U	U	.005	U	U
Acetone		mg/L	.0014	J	B	.01	U	R	.01	U	R
Benzene		mg/L	.001	U	U	.001	U	U	.001	U	U
Bromobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
Bromochloromethane		mg/L	.001	U	R	.001	U	R	.001	U	R
Bromodichloromethane		mg/L	.001	U	U	.001	U	U	.001	U	U
Bromoform		mg/L	.001	U	U	.001	U	U	.001	U	U
Bromomethane		mg/L	.002	U	UJ	.002	U	U	.002	U	U
Carbon disulfide		mg/L	.001	U	U	.001	U	U	.001	U	U
Carbon tetrachloride		mg/L	.001	U	U	.001	U	U	.001	U	U
Chlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
Chloroethane		mg/L	.002	U	U	.002	U	U	.002	U	U
Chloroform		mg/L	.001	U	U	.001	U	U	.001	U	U
Chloromethane		mg/L	.002	U	U	.00015	J	J	.00021	J	J
Cumene		mg/L	.001	U	U	.001	U	U	.001	U	U
Dibromochloromethane		mg/L	.001	U	U	.001	U	U	.001	U	U
Dibromomethane		mg/L	.001	U	R	.001	U	R	.001	U	R
Dichlorodifluoromethane		mg/L	.002	U	U	.002	U	U	.002	U	U
Ethylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
Hexachlorobutadiene		mg/L	.001	U	U	.001	U	U	.001	U	U
Methylene chloride		mg/L	.001	U	U	.001	U	U	.001	U	U

Summary of Validated Groundwater Data
Trenches West of Iron Mountain Road (Parcel 500)
Fort McClellan, Alabama

Report Date: 02/06/01

		Location Code:	FTA-500-MW01			FTA-500-MW02			FTA-500-MW02		
		Associated Site:	FTA-500			FTA-500			FTA-500		
		Sample No:	CG3001			CG3002			CG3003		
		Sample Date:	04-JUL-00			15-JUN-00			15-JUN-00		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES											
SW8260_W											
Naphthalene		mg/L	.001	U	UJ	.001	U	U	.001	U	U
Styrene		mg/L	.001	U	U	.001	U	U	.001	U	U
Tetrachloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U
Toluene		mg/L	.001	U	U	.001	U	U	.001	U	U
Trichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U
Trichlorofluoromethane		mg/L	.002	U	U	.002	U	U	.002	U	U
Vinyl chloride		mg/L	.002	U	U	.002	U	U	.002	U	U
cis-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U
cis-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U	.001	U	U
m,p-Xylenes		mg/L	.001	U	U	.001	U	U	.001	U	U
n-Butylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
n-Propylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
o-Chlorotoluene		mg/L	.001	U	U	.001	U	U	.001	U	U
p-Chlorotoluene		mg/L	.001	U	U	.001	U	U	.001	U	U
p-Cymene		mg/L	.001	U	U	.001	U	U	.001	U	U
sec-Butylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
sec-Dichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U
tert-Butylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U
trans-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U
trans-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U	.001	U	U