Hole No. H833-SB09

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 2 SHEETS

1. PROJECT	HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-SB09
5. NAME OF DRILLER	TOM FINKENBINDER
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	—
8. DEPTH DRILLED INTO ROCK	—
9. TOTAL DEPTH OF HOLE	10'
10. SIZE AND TYPE OF BIT	3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED: 3 UNDISTURBED: 0
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	—
16. DATE HOLE	STARTED 2/29 COMPLETED 2/29
17. ELEVATION TOP OF HOLE	34.5'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			16" CONCRETE		CORE	
	2		GRAY-BROWN (10YR 5/2) SILTY SAND (SM) SILT: 15-20% SAND: FINE WELL ROUNDED, TR CLAY AS 2" LENS V. MOIST, BANDED	0 ppm	5'-9'-10'	1615 100% REC
(1)						
	4		AS ABOVE	0 ppm	10'-9.5'	1618 100% REC
(2)						
	6		AS ABOVE IN CUTTINGS		AUGER	▽ GW AT 7' 1000 ppm AT WATER INTERFACE
	8					BT @ 8'
(3)						
	10					

Hole No. H833-SB09

DRILLING LOG	DIVISION	INSTALLATION	SHEET / OF SHEETS
	COE-SAVANNAH	HUNTER AAF	2 OF 2 SHEETS

1. PROJECT	HUNTER AAF BLDG 533
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-SB09
5. NAME OF DRILLER	TOM FINKENBINDER
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	—
8. DEPTH DRILLED INTO ROCK	—
9. TOTAL DEPTH OF HOLE	7'
10. SIZE AND TYPE OF BIT	3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 1 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	—
16. DATE HOLE	STARTED 3/4 / COMPLETED 3/4
17. ELEVATION TOP OF HOLE	34.5'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	2		DARK GREY (10YR 4/1) SILTY SAND FROM CUTTINGS		AUGER	
	4					
①	6		PALE YELLOW (2.5Y 7/3) SILTY SAND (SM) SILT: 5-10% SAND: FINE WELL ROUNDED, TR. HEAVY MINERALS MOIST, MASSIVE	∅	3'-8" S	1625 100% REC ∅ BT @ 7'
	8					

* OFFSET ~10' WEST TO OBTAIN 5-7' SAMPLE NEEDED DUE TO GW PERCH IN ORIGINAL HOLE.

Hole No. H833 SB10

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT	HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833 - SB10
5. NAME OF DRILLER	TOM FINKENBINDER
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	—
8. DEPTH DRILLED INTO ROCK	—
9. TOTAL DEPTH OF HOLE	20'
10. SIZE AND TYPE OF BIT	3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED: 5 / UNDISTURBED: —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	—
16. DATE HOLE	STARTED: 2/28 / COMPLETED: 2/28
17. ELEVATION TOP OF HOLE	36.0'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15" CONCRETE			
	2		LT. BROWN GRAY (10YR 6/2) SILTY SAND (SM) SILT: 10-20% SAND: V. FINE-FINE WELL SORTED. DRY, MASSIVE	7 ppm	10-20-10-10	0830 100%
	4		AS ABOVE, COLOR (10YR 6/6)	40 ppm	12-18-13-32	0834 100%
	6				AUGER	
	8		LT. GRAY (5Y 7/1) SILTY SAND (SM) SILT (20%) SAND: V FINE - FINE CLAY: (5%) TR MICA MOIST, VERMIFORM DARK STREAKS	1000 ppm	13-14-18-22	0845 100% STRONG ODOR ▽ GW AT 10' 3 ppm
	10				AUGER	NO READINGS ON SOIL
	12					
	14		AS ABOVE, WET, BEDDING	0.5 ppm	32-50/4	0910 100%
	16		~~COVERED~~		AUGER	NO READING
	18		OLIVE (5Y 4/3) SILTY SAND (SM) SILT: 15-25% SAND: V FINE WELL SORTED & ROUNDED V. MOIST, MASSIVE	0.5 ppm	17-20-22-28	0925 100%
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. A833-SB11

DRILLING LOG | DIVISION: SAW | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAW GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): A833-SB11
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 9.3'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 9.3'
10. SIZE AND TYPE OF BIT: 2" split spoon
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28/96 | COMPLETED 2/28/96
17. ELEVATION TOP OF HOLE: 37.0'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						Blows / OVA, ppm
			CONCRETE 15" (1.3')	—	—	
	2		SAND: med-fine; Br. 10YR5/3, dry, well sorted, silt 5%, loose-firm (SW)	79	1	10-15-10-11 lab / 0 / 0 in BZ
	4		: as above, grading to Br 7.5YR4/6 loose, (SW)	79	2	5-6-7-6 / 0
	6		: as above : Str. Br 7.5YR 4/6. tr. mica, tr. blk specks, v. loose ~~loose-firm~~ ↑glauconite (SW)	79	3	4-4-3-4 lab / 0
	8		: as above, loose-firm damp-wet ← wet	75	4	5-10-13-20 ∇ initial wet sample / 1 / BZ=0
	10		E.O.B @ 9.3'			
	12					BZ = Breathing Zone
	14					
	16					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB12

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB12
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 8.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 8.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28/96; COMPLETED 2/28/96
17. ELEVATION TOP OF HOLE: 36.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D Hughes

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
	0		Grass				
	2		SAND: med-fine, dk GyBr 10YR 4/2, silty at top 25%, to a GyBr. 2.5Y 5/2, dry, silty 15%, loose-v. firm (SM)	88	1	BLOWS 6-11-11-24 (lab)	OVA, ppm 1 0 in BZ
	4		as above: Yell 10YR 7/6, well sorted silty 10%, fr. glauconite, dry, firm-v.firm (SW/SM)	75	2	12-29-18-14	0
	6		: as above grading to dkBr 7.5YR 3/4 v.loose-loose silt 5% (SW)	75	3	4-5-5-5	0
	8		: as above, V.dkBr 7.5YR 2.5/3, moist-wet at bottom (SW)	80	4	3-4-3-7 (lab) ↑ ↑ Initial wet sample	1 0 in BZ
	10		E.O.B. @ 8.0'			BZ = Breathing Zone	
	12						
	14						

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB13

DRILLING LOG	DIVISION SAN	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAN, 6A
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB13
5. NAME OF DRILLER: Rob Shivey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 9.3'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 9.3'
10. SIZE AND TYPE OF BIT: 2" split spoon
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28/96; COMPLETED 2/28/96
17. ELEVATION TOP OF HOLE: 35.4'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
						Blows	OVA, ppm
			CONCRETE 15" (1.3')	—	—		
	2		SAND: med-fine, lt. Br Gy 10YR 6/2, dry, well sorted, silt 5%, tr. glauconite, loose-dense. (SW)	63	1	10-39-46-32 lab	0 0 in BZ
	4		: as above Yell Br 10YR 5/4 v. loose (SW)	63	2	4-9-4-4	11 0 in BZ
	6		as above, mottling w/ yell 10YR 7/6 v. loose-loose, dry-damp (SW)	73	3	4-9-6-9 lab	8
	8		: as above. wet (SW)	92	4	7-10-7-10 initial wet sample	1 0 in BZ
			CLAY: Gray 5Y 6/1, high plastic, moist, sandy 10%, firm-stiff. (CH) E.O.B @ 9.3'				
	10						
	12					BZ = Breathing Zone	
	14						
	16						

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB14

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT Hunter II	10. SIZE AND TYPE OF BIT 3 1/4" ID HSA
2. LOCATION (Coordinates or Station) SAV GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
3. DRILLING AGENCY PSI	12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
4. HOLE NO. (As shown on drawing title and file number) H833-SB14	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED; UNDISTURBED —
5. NAME OF DRILLER Rob Shuey	14. TOTAL NUMBER CORE BOXES —
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER —
7. THICKNESS OF OVERBURDEN 10.0'	16. DATE HOLE STARTED 2/29/96 COMPLETED 2/29/96
8. DEPTH DRILLED INTO ROCK 0	17. ELEVATION TOP OF HOLE 36.4'
9. TOTAL DEPTH OF HOLE 10.0'	18. TOTAL CORE RECOVERY FOR BORING — %
	19. SIGNATURE OF INSPECTOR D. Humphrey

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0		GRASS			
			SAND: med-fine, dk Br 10YR 3/3 to Yell Br 5/6, dry, loose-firm, well sorted, silty 10%. (SM/SW)	83	1	BLOWS 5-10-13-10 Lab OVA, ppm 0
	2		: as above - Yell Br., tr. glauconite	71	2	8-10-10-11 0
			← white 10YR 8/1 (SM/SW)			
	4		: White as above, well sorted, dry, tr. silty tr. glauconite, loose-firm Clean Beach Sand (SW)	71	3	8-11-12-8 4 0 in BZ
	6		: as above, grading to Lt Br Gy 2.5Y 6/2, v. moist at bottom, loose-firm. silty 10% (SM)	92	4	6-6-8-10 lab 10
	8		: as above, wet	88	5	9-11-7-5 ▽ initial wet sample 3 ppm
			CLAY: Lt Gy 2.5Y 7/1, firm, dry, 30% sand, med-hi plastic. (CL)			
	10		E.O.B. @ 10.0'			
	12					BZ = Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB15

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB15
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29; COMPLETED 2/29
17. ELEVATION TOP OF HOLE: 35.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			16" CONCRETE		CORE FRAGS	
①	2		LT. YELLOW-BROWN (10YR 6/4) SILTY SAND (SM) SILT: 15-25% SAND: V. FINE, WELL SORTED, ROUNDED DRY, MASSIVE	Ø	7-12-12	AT 1055 75% REC Ø
②	4		DARK BROWN (10YR 3/3) SILTY SAND (SM) SILT: 15-25% SAND: VFINE-FINE, WELL ROUNDED & SORTED, MOIST, MOTTLED	Ø	6-6-5-7	1100 100% REC Ø
	6		AS ABOVE IN CUTTINGS		AUGER	
③	8		AS ABOVE	Ø	12-21-11-14	DUPE TAKEN 1105 100% REC Ø
	10					GW AT 10' BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB 16

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT Hunter II	10. SIZE AND TYPE OF BIT 3 1/4" ID HSA
2. LOCATION (Coordinates or Station) SAV, GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
3. DRILLING AGENCY PSI	12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
4. HOLE NO. (As shown on drawing title and file number) H833-SB 16	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
5. NAME OF DRILLER Rob Shuey	14. TOTAL NUMBER CORE BOXES —
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	15. ELEVATION GROUND WATER —
7. THICKNESS OF OVERBURDEN 7.3'	16. DATE HOLE: STARTED 2/29/96; COMPLETED 2/29/96
8. DEPTH DRILLED INTO ROCK 0	17. ELEVATION TOP OF HOLE 36.0'
9. TOTAL DEPTH OF HOLE 7.3'	18. TOTAL CORE RECOVERY FOR BORING — %
	19. SIGNATURE OF INSPECTOR D. Humphas

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						Blows / OVA, ppm
			CONCRETE 15" (1.3')	—	—	
	2		SAND: med-fine, Gy 10YR6/1 to V. pale Br 8/2, dry, well sorted, silty 10%, loose-v.firm., tr. glauconite. (SM/SW)	100	1	10-23-27-30 / 3 Lab
	4		: as above, grading to V. dk Br 10YR 2/2, silty 30%, loose, dry. (SM)	83	2	5-6-7-8 / 1 0 in BZ
	6		as above, grading to Red Br 5YR 4/4 and dk red Br 2.5/2, damp-wet at bottom, loose-firm, silty 30%. (SM) ← wet	79	3	10-12-13-13 Lab / 4 ▽ initial wet sample
	8		E.O.B. @ 7.3			
	10					
	12					BZ - Breathing Zone
	14					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB17

DRILLING LOG	DIVISION: CUE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB17
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25' ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSC
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29; COMPLETED 2/29
17. ELEVATION TOP OF HOLE: 35.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0		13" CONCRETE		CORE	
(1)	2		DARK BROWN (7.5 YR 3/2) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUND & SORT MOIST, MOTTLED	Ø	14-16-14-13	13"-37" 1120 50% REC Ø
(2)	4		AS ABOVE WITH 1/8" PEBBLES PEBBLES: SUBROUNDED QTZ	Ø	15-19-15-18	37"-61" 1125 100% REC Ø
	6		AS ABOVE IN CUTTINGS		AUGER	
	8		AS ABOVE	55 PPM	0-4-3-2	1130 100% REC Ø
	10					▽ GW AT 10' BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB18

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB18
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 9.3'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 9.3'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29/96; COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE: 36.6'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						Blows / OVA, ppm
			Concrete 16" (1.3')	—	—	
	2		SAND: med-fine; V dk 6yBr 10YR 3/2 to Br 5/3, dry, loose-firm, silty 20%, tr. glauconite, well sorted (SM)	88	1	8-20-17-14 Lab / 2. 0 in BZ
	4		: as above; Br Yell-Lt-Brn 6/4, v. loose-loose, silty 10%, well sorted, dry (SM/SW)	75	2	4-5-5-5 / 0.
	6		: as above - Yell Br 10YR 5/4, dry-v. moist at bottom, v. loose-loose, silty 10% well sorted. (SM/SW)	75	3	5-5-4-5 Lab / 30. 0 in BZ
	8		: as above, wet, tree pieces. (SM/SW)	71	4	8-15-18-23 ∇ initial wet sample / 3.
	10		E.O.B. @ 9.3'			
	12					BZ. Breathing Zone
	14					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. | PROJECT | HOLE NO.

Hole No. H833-SB19

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB19
5. NAME OF DRILLER: TOM FINCENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29; COMPLETED 2/29
17. ELEVATION TOP OF HOLE: 36.0'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			12" CONCRETE			
	2		BROWN YELLOW (10YR 6/6) SILTY SAND(SM) SILT: 10-20%) SAND: FINE, WELL SORTED & ROUNDED DRY, BANDED	∅ ppm	4-H-H-13	0955 100% REC
	4		LT. GRAY (2.5Y 7/1) SILTY SAND (SM) SILT: 5-10% SAND V. FINE WELL SORTED & ROUNDED DRY, MASSIVE, TR. HEAVY MINERALS	∅ ppm	4-10-H-9	1000 100% REC
	6		AS ABOVE FROM CUTTINGS			↑ Auger ↓
	8		AS ABOVE, WET @ 9.5'	∅ ppm	5-2-17-24	1010 ▽ GW @ 9.5'
	10					BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB20

DRILLING LOG	DIVISION: SAV	INSTALLATION: HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II	10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
2. LOCATION (Coordinates or Station): SAV GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: PSI	12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
4. HOLE NO. (As shown on drawing title and file number): H833-SB20	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4 / UNDISTURBED —
5. NAME OF DRILLER: Rob Shuey	14. TOTAL NUMBER CORE BOXES:
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: —
7. THICKNESS OF OVERBURDEN: 9.1'	16. DATE HOLE: STARTED 2/29/96 COMPLETED 2/29/96
8. DEPTH DRILLED INTO ROCK: 0	17. ELEVATION TOP OF HOLE: 35.5'
9. TOTAL DEPTH OF HOLE: 9.1'	18. TOTAL CORE RECOVERY FOR BORING: — %
	19. SIGNATURE OF INSPECTOR: D Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
			CONCRETE 13" (1.1')	—	—	
	2		SAND: med-fine, dk gy br 10YR 4/2, gravelly silty 25%, poor sorting (Fill)	17		
			Pale yell 2.5YR 7/4, well sorted, dry, firm-loose, silty 10%, tr. glauconite (SW/SM)	71	1	15-21-13-8 / 16. OinBZ
	4		: as above, firm-v. loose (SW)	50	2	20-4-4-3 / 0.
	6		: as above, Pale Yell 2.5Y 8/2, well sorted, silty 5%, tr. glauconite, moist at bottom (SW)	50	3	3-2-4-5 Lab / 14.
	8		: as above Lt Pale Yell 2.5Y 6/3 wet. loose-firm (SW)	71	4	5-7-9-11 ∇ initial wet sample / 4. OinBZ
			E.O.B. @ 9.1'			
	10					BZ - Breathing Zone
	12					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB21

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB21
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29; COMPLETED 2/29
17. ELEVATION TOP OF HOLE: 38.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: Frank B Cargill

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15.5" CONCRETE		CORE	
(6)	2		LT GRAY (10YR 7/1) SILTY SAND (SM) SILT: 10-20% SAND: FINE, WELL ROUNDED MOIST, MASSIVE TR. HEAVY MINERALS	0 5 PPM	0-1.4-13-11	1538 75% REC
			V. DARK GREY BROWN SILTY SAND			BZ
(2)	4		(10YR 3/2) (SM) SILT: 15-25% SAND: FINE, WELL ROUNDED MOIST, MOTTLED	5 PPM	9-6-8-6	1538 50% REC BZ
	6	X	AS ABOVE IN CUTTINGS		AUGER	BZ
(3)	8		AS ABOVE	0 PPM	4-50/5	1540 30% REC BZ
	10					▽ GW AT 9.5' BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB22

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	Hunter II
2. LOCATION (Coordinates or Station)	SAV, GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-SB 22
5. NAME OF DRILLER	PSI / Rob Shuey
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	11.3'
8. DEPTH DRILLED INTO ROCK	0
9. TOTAL DEPTH OF HOLE	11.3'
10. SIZE AND TYPE OF BIT	3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	—
16. DATE HOLE	STARTED 2/29/96 COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE	38.2'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			CONCRETE 15" (1.3)	—	—	BLOWS / OVA: ppm
	2		SAND: med-fine, Lt Olive Br 2.5Y 5/3, dry firm, silty 20%, tr. glauconite. 2" black (SM)	100	1	12-18-14-11 Lab 100. 0 in BZ
	4		as above, large piece of wood obstructs shoe black staining / petrol. odors, loose (SM)	42	2	6-6-5-5 60
	6		: as above organic rich, black/white sand grading to V. dk Br. 7.5YR 2.5/3. moist, silty 40% (SM)	83	3	2-2-2-4 900 0 in BZ
	8		SAND: dk. Red Br 5YR 3/4, dense, moist stained, strong HC odor, silty 25%(?) (SM)	50	4	25-50/6" Lab 1000+ 0 in BZ (wind)
	10		: as above, well sorted, silty 20% damp - wet ← tan like moraine ← wet (SM)	50	5	40-50/3.5" 1000+ ∑ in. final wet sample
	12		E.O.B @ 11.3'			BZ = Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 SB23

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 333
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB23
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28; COMPLETED 2/28
17. ELEVATION TOP OF HOLE: 38.4'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0		14" CONCRETE		CORE	
①	2		GRAY-BROWN (2.5Y 5/2) SILTY SAND (SM) SILT: 15-25% SAND: FINE - FINE WELL SORTED & ROUNDED MOIST, ROOTS, LAMINATED	30 ppm	10-12-13-2	14"-38" 1100 100% REC
②	4		GRAY (10YR 5/1) SILTY SAND (SM) SILT (15-25%) SAND: VF-FINE WELL ROUNDED & SORTED MOIST, MASSIVE	100 ppm	10-12-20-30	38"-62" 1105 100% REC
	6				AUGER	50 ppm CUTTINGS - CHANGE AT 7'
③	8		YELLOW-RED (5YR 4/6) SILTY SAND (SM) SILT (15-25%) SAND: V FINE WELL ROUNDED & SORTED, MOTTLED MOIST,	1000 ppm	11-35-50/5	1115 60% REC 4-5 ppm ~25 SEC @ 10'
	10				AUGER	~~1135 RC~~ GW AT 10.5'
	12					
④	14		AS ABOVE, WET	15 ppm	35-50/5	1135 60% REC
	16				AUGER	1150 DUPE ↓
⑤	18		AS ABOVE, WET	6 ppm	9-11-26-50/3	100% REC
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 - SB24

DRILLING LOG | DIVISION: SAV | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB24
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 11.3'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 11.3'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29/96 | COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE: 38.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
			CONCRETE 15" (1.3')	—	—	
	2		SAND: med-fine, Br 10YR5/3, silty 20% dry, loose - v. firm, Mod Sorting - Gray 2.5Y6/2, tr. glauconite, dry, well sorted (SW)	88	1	9-26-25-19 / Lab / 0.5
	4		: med - fine, v. dk Br 10YR 2/2, silty 20%, well sorted, moist, tr. glauconite (SM) (SW)	100	2	4-5-6-4 / 10. / 0 in BZ
	6		as above. dense (SM) (SW)	88	3	5-9-31-50/4 / 6.
	8		: as above, friable/crumbly tr. mica	50	4	20-50/6 / Lab / 7.
	10		: as above, damp - wet ← wet	42	5	30-30-50/5.5 / 4 / ≠ in final wet sample
	12		E.O.B @ 11.3'			
	14					BZ = Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB25 BZ

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB25 BZ
5. NAME OF DRILLER: TOM FUKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29/96; COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE: 37.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: Inspl Critchfield

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e OVA	BOX OR SAMPLE NO. f BZ	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15.5" CONCRETE			
	2		V. DARK GREY (7.5 YR 3/1) SILTY SAND (SM) SILT: 25% SAND: FINE WELL SORTED & ROUNDED MOIST, BANDED	7 PPM	1-1-1-1-2	1403 100% REC
	4		AS ABOVE, MASSIVE, MOTTLED	∅	16-7-10-14	1405 100% REC
	6		AS ABOVE IN CUTTINGS TO 7', CHANGE ~7'		AUGER	
	8		DUSKY RED (2.5 YR 3/2) SILTY SAND SILT: 20% SAND: FINE, WELL SORTED AND ROUNDED. MOIST, MASSIVE	∅	10-43-50/5	1415 25% REC DROVE SECOND SPOON FOR SAMPLE VOC. DUPE TAKEN
▽	10					BT @ 10' CSU AT 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB26

DRILLING LOG | DIVISION: SAV | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV G4
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB26
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 12.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 12.0'
10. SIZE AND TYPE OF BIT: 3 1/4' ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96 | COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 37.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphreys

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Asphalt	—	—	BLOWS OVA, ppm
			Hardpan - white, gravelly (1.5')			
	2		SAND: med-fine; v. dk 6yBr 10YR 3/2, silty 25%, loose-firm, dry. (SM)	75	1	5-12-20-20 lab 45. Dim BZ
	4		As above, grading to dk red br 5YR 3/4, dry, loose, silty 10%, tr. glauconite, well sorted. (SM/SW)	71	2	6-6-8-8 40.
	6		Cuttings as above	—	—	↑ Auger ↓
	8		: as above, to Str. Br. 7.5YR 5/8. firm - v. dense. v. moist. (SM/SW)	63	3	16-22-50/5 lab 80
	10		as above, wet	71	4	25-39-50/5 ▽ initial wet sample —
	12		E.O.B. @ 12.0'			
	14					BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. HS33 - SB27

DRILLING LOG	DIVISION COE - SAVANNAH	INSTALLATION HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: SAV GA
2. LOCATION (Coordinates or Station): HUNTER AAF BLDG 833
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): HS33-SB27
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29/96; COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE: 35.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			16" CONCRETE		CORE	
	2	(1)	RED-BLACK (2.5YR 2.5/1) SILTY SAND SILT; 15-25% SAND; FINE, WELL SORTED & ROUNDED, MOIST, MASSIVE	Ø	6-12-12-12	1440 100% REC Ø
	4	(2)	AS ABOVE, TRACE ROOT FRAGMENTS	Ø	9-10-16-34	1442 100% REC Ø
	6		AS ABOVE IN CUTTINGS		AUGER	
	8	(3)	AS ABOVE, WET @ 10'		50/6	1450 25% REC
	10					▽ GW AT 10' BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB28

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB28
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 9.2'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 9.2'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/29/96; COMPLETED 2/29/96
17. ELEVATION TOP OF HOLE: 35.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
			CONCRETE 4" (1.2')	—	—	
	2		SAND: med-fine, dkBr 7.5YR3/2, silty 25%, loose-v.firm, dry-moist, mod. sorting. (SM)	81	1	9-23-20-18 (Lab) / 0
	4		: V.dk GyBr 10YR3/2, silty 20%, mod-well sorting, dry, v. loose-loose (SM) ← black last 1", moist	100	2	4-5-6-7 / 1.0 / 0 in BZ
	6		: as above v dk gybr to black moist. (SM)	100	3	8-13-18-29 (Lab) / 0
	8		as above, dense. moist-wet (SM) ← wet	58	4	23-50/6 * initial wet sample / 0
	10		E.O.B @ 9.2'			
	12					BZ = Breathing Zone
	14					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. | PROJECT | HOLE NO.

Hole No. H833-SB29

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB29
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20'
10. SIZE AND TYPE OF BIT: 3.25" ID ~~BAR~~ HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28; COMPLETED 2/28
17. ELEVATION TOP OF HOLE: 36.4'
18. TOTAL CORE RECOVERY FOR BORING: —. %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY / OVA	BOX OR SAMPLE NO. / BLOWS	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15.5" CONCRETE		CORE	
	2		LT BROWN-GRAY (2.5Y 6/2) SILTY SAND (SM) SILT: 15-25% SAND: VF-FINE, WELL SORTED, ROUNDED DRY, BANDED	0 ppm @ 2' BZ	17-20-32-32	1520 70%
(1) (2)	4		DARK BROWN (7.5YR 3/2) SILTY SAND (SM) SILT: 20-30% SAND: V FINE, WELL SORTED, ROUNDED DRY-MOIST, BANDED, MOTTLED	0 ppm	25-16-18-19	1525 90%
	6				AUGER	~~1537~~ BZ
	8		DARK RED-BROWN (5YR 2.5/2) SILTY SAND (SM) SILT: 15-25% SAND: V FINE, WELL SORTED, ROUNDED MOIST, MASSIVE	0 ppm	10-50/6	1535 40%
(3)	10				AUGER	▼ GW AT 10'
	12					
(4)	14		STRONG BROWN (7.5YR 5/6) SILTY SAND (SM) SILT: 15-25% SAND: V FINE-FINE WELL SORTED ROUNDED WET, FAINT BEDDING LAMINAE		20-26-41-50/6	1550 80 100%
	16			0 ppm		
(5)	18		OLIVE BROWN (2.5Y 4/3) SILTY SAND (SM) SILT: 15-25% SAND: V FINE-FINE, WELL SORTED, ROUNDED V. MOIST, MASSIVE	0 ppm	7-15-20-20	1600 ~~100~~ BZ 50%
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB30

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB30
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 10.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 10.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3-4-96; COMPLETED 3-4-96
17. ELEVATION TOP OF HOLE: 36.8'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (19") (1.6')	—	—	Blows / OVA, ppm
	2		SAND: med-fine; Black to Br 7.5YR 4/2, dry, silty 25%, v.loose-loose, mod sorted (SM)	98	1	2-4-5-6 lab 0 in BZ / 1.
	4		as above: v.loose, moist. (SM)	79	2	3-3-4-4 / 0
	6		Cuttings as above	—	—	Auger
	8		: as above dk Br. 7.5YR 3/3, fine to v.dense, wet. well sorted, silty 10% (SM/SW)	67	3	15-29-50/6 lab / 1.5 ▼ initial wet sample
	10		E.O.B. @ 10.0'			
	12					

BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB31

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB31
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 35.7'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0		15.5" CONCRETE		CORE	
	2	(1)	BLACK (N 2.5 GLEY) SILTY SAND (SM) SILT: 20-30% SAND: FINE, WELL ROUNDED MOIST, MASSIVE	ϕ ppm	0.3-2.5'-2'	0840 75% REC BZ ϕ
	4	(2)	DARK RED-BROWN (5YR 3/4) SILTY SAND (SM) SILT: 20-30% SAND: FINE — — — SHARP CONTACT PALE BROWN (10YR 6/3) SILTY SAND (SM) SILT: 5-10% SAND: FINE, W. ROUND	ϕ ppm	4-12-13-13	0843 100% REC CHANGE AT ~ 5' ϕ
	6		CHANGE TO DK. BROWN AS NOTED ABOVE IN CUTTINGS		AUGER	ϕ
	8	(3)	DARK RED-BROWN (5YR 3/4) SILTY SAND (SM) SILT: 20-30% SAND: FINE, W ROUND WET, MASSIVE		19-50/6	0850 50% REC
	10					BT @ 10' ▽ C.W. @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB32

DRILLING LOG	DIVISION	INSTALLATION	SHEET / OF / SHEETS
	COE - SAVANNAH	HUNTER AAF	

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB32
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: BIRDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 2/28; COMPLETED 2/28
17. ELEVATION TOP OF HOLE: 35.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e OVA	BOX OR SAMPLE NO. f BLOWS	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15" CONCRETE		CORE	
	2		V. DARK GREY (10 YR 3/1) SILTY SAND SILT: 15-25% SAND: VFINE-FINE WELL ROUNDED & SORTED DRY-SLT MOIST, MOTTLED BLK & WHITE		11-17-29-24	15"-39" 1627 100% REC
①	4		DARK REDDISH-GRAY (7.5 YR 4/1) SILTY SAND (SM) SILT: 20-30% SAND: FINE WELL SORTED & ROUNDED SLT MOIST, MOTTLED; BANDED	7 ppm	36-32-17-22	39"-63" 0855 100% REC
②	6		AS ABOVE IN CUTTINGS		AUGER	
	8		AS ABOVE, V. MOIST	.5 ppm	50/6	OVERDRIVE SPOON TO GET SAMPLE 0910 25% REC
③	10					▼ GW AT 10.5'
	12		AS ABOVE IN CUTTINGS		AUGER	
	14		BROWN (7.5 YR 4/4) SILTY SAND SILT: 15-25% SAND: FINE, WELL ROUNDED & SORTED WET, MASSIVE	11-11-6-7	11-11-10-21	0920 50% REC
④	16		AS ABOVE IN CUTTINGS		AUGER	
	18		AS ABOVE, BANDED	6 ppm	6-10-18-23	0930 100% REC
⑤	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB33

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB33
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 35.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY / e OVA	BOX OR SAMPLE NO. / f BLOWS	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15" CONCRETE		CO 12"	
	2		V. PALE BROWN (5/3 10YR) SILTY SAND (SM) SILT: ~~15-25~~ 10-20% SAND: V. FINE, W. ROUNDED DRY - SLT MOIST, MASSIVE	.5 ppm	8-16-22-27	0915 100% REC Ø
①	4		AS ABOVE, COLOR TO BLACK (10YR 2/1) MOTTLED	Ø ppm	20-16-14-19	0916 100% REC Ø
②	6				AUGER	
	8		AS ABOVE, V. MOIST	Ø ppm	13-50/5	~~C920~~ BR 0925 40% REC Ø
③	10		WET @ 10'			▽ GW AT 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB34

DRILLING LOG | DIVISION: SAV. | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II	10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
2. LOCATION (Coordinates or Station): SAV GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: PSI	12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
4. HOLE NO. (As shown on drawing title and file number): H833-SB34	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
5. NAME OF DRILLER: Rob Shuey	14. TOTAL NUMBER CORE BOXES: —
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: —
7. THICKNESS OF OVERBURDEN: 8.0'	16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
8. DEPTH DRILLED INTO ROCK: 0	17. ELEVATION TOP OF HOLE: 34.9'
9. TOTAL DEPTH OF HOLE: 8.0'	18. TOTAL CORE RECOVERY FOR BORING: — %
	19. SIGNATURE OF INSPECTOR: D Humphris

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			CONCRETE 13" (1.1')	—	—	BLOWS / OVA, ppm
	2		SAND: med-fine, Black 10YR 2/1, dry, loose-firm, silty 20% (SM)	83	1	8-18-20-18 Lab / 2. / 0 1 4 BZ
	4		: as above; Blk to Gray -6/1. mod-well sorting. dry. tr. glauconite (SM)	100	2	13-9-13-12 / 1.
	6			—	—	↕ Auger
			as above: damp			16-8-18-34 Lab / 10
	8		dk Red Br 5YR 2.5/2, well sorted, loose, dense, wet at bottom, silty 10% (SM/SW) E.O.B @ 8.0'	83	3	▽ initial wet sample / 0 1 4 BZ.
	10					
	12					BZ - Breathing Zone
	14					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 - SB35

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833 - SB35
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3 2 BC; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 35.4'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			12" CONCRETE		CORE	BZ
	2		V. DARK GREY-BROWN (10YR 3/2) SILTY SAND (SM) SILT: 15-25% SAND: FINE WELL ROUNDED DRY, MOTTLED, BANDED	0 ppm	9.20.23.22	1025 100% REC Ø
	4		AS ABOVE IN CUTTINGS		AUGER	
	6		DARK YELLOW BROWN (10YR 4/6) SILTY SAND (SM) SILT: 10-20% SAND: FINE, W.ELL ROUND, TR. HEAVY MINERALS	0 ppm	7.11.18.22	1030 100% REC
	8		WET @ 7.5', MASSIVE			GW AT 7.5' Ø
	10					BT @ ~~10'~~ BC 8'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB36

DRILLING LOG | DIVISION: SAV | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB36
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 8.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 8.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96 | COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 36.4'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS — OVA, ppm
			CONCRETE 15" (1.3')	—	—	
	2		SAND: med fine; Br-yell 10YR6/6, dry, well sorted, silt 10%, tr. glauconite, loose-firm (SM/SW)	92	1	6-10-11-8 Lab — 0.5; 0 in BZ
	3.3		as above: grading to Pale Br - 6/3, silty 5%, well sorted. dry, v. loose-loose. (SW)	100	2	10-5-4-5 — 0.
	4					
	6		Cuttings as above	—	—	Auger
			; as above, tr. mica moist	75	3	4-5-8-9 lab — 0
	8		wet at bottom (SW)			▼ initial wet sample
			E.O.B. @ 8.0'			
	10					
	12					BZ = Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB37

DRILLING LOG | DIVISION SAV. | INSTALLATION HAAF | SHEET OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB37
5. NAME OF DRILLER: Rob Sluey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 20.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 20.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/5/96 | COMPLETED 3/5/96
17. ELEVATION TOP OF HOLE: 36.7'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Hinnant

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	BLOWS	OVA/ppm
			CONCRETE (15") (1.3')	—	—			
	2		SAND: med-fine; V.dk Br 10YR 2/2, moist loose-v.firm. silty 20% mod sorting (SM)	88	1		6-14-16-28 lab	0.
	4		as above, gravelly Asphaltic - 6" — v.dk.gy br 2.5Y 3/2, as above (SM)	100	2		25-12-8-7 lab	6 0 0 0
	6		cuttings as above			Auger		
			: v.dk gy br 2.5Y 3/2, v.loose, moist-wet, silty 20%, mod sorting (SM)	100	3		1-1-1-2 ☒ initial wet sample	60. 0 0 BZ
	8							
	10		Cuttings as above	—	—	Auger		
	12							
	14		: Lt Yell Br 2.5Y 6/4, well sorted, silty 5%, tr. glauconite, firm - dense, wet. (SW)	100	4		16-23-38-28 lab	1.0
	16		Cuttings as above	—	—	Auger		
	18		: as above; Olive by 5Y 4/2, wet, tr mica, silty 5%, tr. clay laminae at bottom. loose. well sorted (SW)	100	5		5-7-10-7 lab	0.5
	20		E.O.B. @ 20.0'					

BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. | PROJECT | HOLE NO.

Hole No. H833-SB38

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB38
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 8.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 8.0'
10. SIZE AND TYPE OF BIT: 3¼" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 36.1'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphris

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			CONCRETE 15" (1.3')	—	—	BLOWS UVA, ppm
	2		SAND: med-fine, 10YR 6/3 Pale Br, silty 10% well sorted, tr. glauconite, loose-v-firm, dry. (SW) (SM)	83	1	8-18-24-23 Lab 10 Oin BZ
	4		as above grading to V. dk Gy 2.5Y 3/1, roots, moist, firm - loose, tr. mica, silty 25% (SM)	83	2	14-8-9-6 Lab 10.
				—	—	Auger
	6		as above, wet, firm - v. dense Dk Br 10YR 3/3 (SM)	34	3	18-50/6 Visual wet sample 10. Oin BZ.
	8		E.O.B. @ 8.0'			
	10					
	12					

BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 - SB39

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833 - SB39
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: ~~10 BC~~
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 34.8'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0	0.2' 4000 psi	15" CONCRETE		CORE	
①	2		BLACK (N 2.5/ GLEY) SILTY SAND (SM) SILT: 15-25% SAND: V. FINE WELL ROUNDED MOIST, MASSIVE	ϕ ppm	7-14-10-31	1050 100% REC ϕ
	4		AS ABOVE IN CUTTINGS		A UGER	~~1055 BC~~
②	6		YELLOW-BROWN (10YR 5/6) SILTY SAND (SM) SILT: 10-20% SAND: FINE WELL ROUNDED MIN. HEAVY MINERALS MOIST, MASSIVE	ϕ ppm	21-30-37-48	1055 100% REC ϕ
			AS ABOVE IN CUTTINGS		A UGER	▽ GW AT 7.5'
③	8		AS ABOVE, WET	ϕ	9-20-25-27	1105 100% REC ϕ
	10					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB40

DRILLING LOG	DIVISION: COE-SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB40
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 35.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			16" CONCRETE		CORE	
①	2		V. DARK GREY (2.5Y 3/1) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUNDED MOIST, MOTTLED	1 ppm	5-9-8-5	0830 100% REC Ø
	4		AS ABOVE IN CUTTINGS		AUGER	Ø
②	6		BLACK (N2.5/GLEY) SILTY SAND SILT: 15-25% SAND: FINE WELL ROUNDED V. MOIST, MASSIVE	90 ppm	11-23-23-34	0835 100% REC Ø
	8		CUTTING CHANGE ~ 9.5-10'		AUGER	▽ GW AT 7.5'
③	10		LT. YELLOW-BROWN (2.5Y 6/4) SILTY SAND (SM) SILT: 5-10% SAND: FINE, WELL ROUNDED TR. HEAVY MINERALS, WET	3 ppm	8-12-13-15	0845 100% REC Ø
	12		AS ABOVE IN CUTTINGS		AUGER	Ø
④	14		AS ABOVE	3 ppm	9-11-14-15	0850 100% REC SULFIDE ODOR
	16		NO CUTTING RETURN		AUGER	POOL IN AUGER CLEARED BY SLOUGHING/ STEAM CLEANING 1005 30% REC
⑤	18		GRAY (10YR 5/1) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUNDED, TR. HEAVY MINERALS, SATURATED	Ø ppm	7-4-3-10	
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 - SB41

DRILLING LOG	DIVISION	INSTALLATION	SHEET / OF / SHEETS
	COE - SAVANNAH	HUNTER AAF	

1. PROJECT: HUNTER AAF BLDG 533
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833 - SB41
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 35.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0		16" CONCRETE		CORE	
	2		DARK YELLOW-BROWN (10YR 3/6) SILTY SAND (SM) SILT: 20-30% SAND: FINE, WELL ROUNDED DRY, MASSIVE	ϕ ppm	S-9-14-15	1345 90% REC
	4		AS ABOVE IN CUTTINGS		AUGER	
	6		AS ABOVE, WET @ 7'	ϕ ppm	S-2-3-2	1355 100% REC
	8		SLIGHTLY LIGHTER COLOR @ 7-8'		AUGER	PW GW AT 7.5', BE 1400
	10		DARK YELLOW-BROWN (10YR 4/6) SILTY SAND (SM) SILT: 10-20% SAND: FINE, WELL ROUNDED WET, MASSIVE.	ϕ ppm	S-25-27-20	BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB42

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB42
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 8.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 8.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 4/3/96; COMPLETED 4/3/96
17. ELEVATION TOP OF HOLE: 37.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						13 Blows — OVA, ppm
			CONCRETE 1511 (1.3')	—	—	
	2		SAND: med-fine; V.dk Gy Br 2.5Y3/2, dry, silty 20%, loose-firm, mod-sorted, (SM)	88	1	7-12-16-16 lab 2.0 0 in BZ
	4		: as above, to black, tr. glauconite (SM)	83	2	11-11-12-8 1.0
	6		Cuttings as above	—	—	↕ Auger 5-5-14-50/6 lab 50. 0 in BZ
			: as above.. v. moist grading to V.dk Br. 7.5YR 2.5/3, wet, silty 20%, loose-v.dense, mod sorting (SM)		3	☒ initial wet sample
	8		E.O.B. @ 8.0'			
	10					
	12					BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833 - SB43

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET / OF / SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833 - SB43
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3 25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 36.6'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e N/A	BOX OR SAMPLE NO. f BLDG	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g BZ
			15.5" CONCRETE		CORE	
	2		BLACK (N2.5/ GLEY) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUNDED MOIST MASSIVE	10 PPM	0-16-16-25	1505 100% REC
	4		AS ABOVE IN CUTTINGS		AUGER	
	6		AS ABOVE, V. MOIST @ TIP	9 PPM	6-6-4-4	1510 100% REC
	8		AS ABOVE IN CUTTINGS		AUGER	▽ GW AT 8'
	10		PALE YELLOW (2.5Y 7/3) SILTY SAND SILT: 5-10% SAND: FINE, WELL ROUNDED WET, MASSIVE, TR HEAVY MINERALS	10 @ 8 PPM BZ	5-10-15-20	1515 BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB44

DRILLING LOG	DIVISION: COE - SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833	10. SIZE AND TYPE OF BIT: 3.25" ID HSA
2. LOCATION (Coordinates or Station): SAV GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: PSI	12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
4. HOLE NO. (As shown on drawing title and file number): H833-SB44	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED —
5. NAME OF DRILLER: TOM FINKENBINDER	14. TOTAL NUMBER CORE BOXES: —
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: —
7. THICKNESS OF OVERBURDEN: —	16. DATE HOLE: STARTED 3/5; COMPLETED 3/5
8. DEPTH DRILLED INTO ROCK: —	17. ELEVATION TOP OF HOLE: 36.9'
9. TOTAL DEPTH OF HOLE: 20'	18. TOTAL CORE RECOVERY FOR BORING: — %
	19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV. ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			15.5" CONCRETE		CORE	
(1)	2		V. DARK GREY (10YR 3/1) SILTY SAND (SM) SILT: 15-25% SAND: FINE WELL ROUNDED MOIST, MOTTLED	7 ppm	7-12-14-15	1033 75% REC
	4		NO CHANGE IN CUTTINGS		AUGER	
(2)	4		AS ABOVE	4 ppm	10-13-7-9	1040 100% REC ▽ GW AT 7'
	8		NO CHANGE IN CUTTINGS		AUGER	
(3)	10		DARK BROWN (7.5 YR 3/3) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUND WET, MASSIVE	1 ppm	4-45-50/6	1045 75% REC
	12		NO CHANGE IN CUTTINGS			
(4)	14		AS ABOVE	10 ppm	40-37-50/6	1055 100% REC
	16		NO CHANGE IN CUTTINGS			
(5)	18		LT. BROWN-GRAY (10YR 6/2) SILTY SAND (SM) SILT: 5-10% SAND: FINE, WELL ROUNDED TR. HEAVY MINERALS, WET	4 ppm	12-13-14-9	1105 50% REC
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB45

DRILLING LOG

DIVISION: COE - SAVANNAH
INSTALLATION: HUNTER AAF
SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER BLDG 833
2. LOCATION (Coordinates or Station): SAV GA.
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB45
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 37.6'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e (CVA)	BOX OR SAMPLE NO. (BLOWS) f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			6.5" CONCRETE		CORE	
	2	①	V. DARK GRAY (2.5Y 3/1) SILTY SAND (SM) SILT: 15-25% SAND: VF-FINE WELL ROUNDED, DRY, MOTTLED	1 PPM	16-15-16-18	1415 100% REC Ø
	4		AS ABOVE, MOIST IN CUTTINGS		AUGER	
	6	②	AS ABOVE	110 PPM	5-5-6-9	1420 100% REC Ø
	8		AS ABOVE IN CUTTINGS		AUGER	▽ GW AT 8'
	10		PALE YELLOW (2.5Y 7/3) SILTY SAND (SM) SILT: 5-10% SAND: VF-FINE WELL ROUNDED, TR. HEAVY MINERALS WET, MASSIVE	25 PPM	4-6-11-13	1430 75% REC
						BT @ 10'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB46

DRILLING LOG	DIVISION SAV.	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB46
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 10.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 10.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 38.8'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
			ASPHALT + FILL (1.5')	—	—	
	2		SAND: med-fine; V dk GyBr 10YR 3/2, dry, silty 25%, firm-v-firm, mod sorting, (SM)	88	1	15-23-22-20 / lab — 50. / 0 in BZ
	4		: as above, moist, tr. roots (SM)	71	2	7-10-14-18 — 50. / 0 in BZ
			Cuttings as above	—	↕	Auger
	6		: as above, no roots, loose, moist, tr. white sand microlaminae, tr. glauconite. (SM)	75	3	13-14-15-10 — 25
	8		as above, moist, loose-v. loose. tr. mica, wet at bottom (SM)	80	4	10-4-2-2 ↕ lab — 8. / ☒ initial wet sample
	10		E.O.B. @ 10.0'			
	12					BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB47

DRILLING LOG

DIVISION: COE - SAVANNAH

INSTALLATION: HUNTER AAF

SHEET 1 OF 1 SHEETS

1. PROJECT: HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB47
5. NAME OF DRILLER: TOM FINKENBINDER
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: —
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 10'
10. SIZE AND TYPE OF BIT: 3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/4/96; COMPLETED 3/4/96
17. ELEVATION TOP OF HOLE: 36.1'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: [signature]

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e (CVA)	BOX OR SAMPLE NO. f (BLOWS)	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g (BZ)
			16" CONCRETE		CORE	
(1)	2		DARK YELLOW-BROWN (10YR 4/6) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUNDED SLT. MOIST, MASSIVE, TR. HEAVY MN	0 PPM	4-7-9	1535 100% REC Ø
	4		SLIGHTLY DARKER IN CUTTINGS		AUGER	Ø
(2)	6		AS ABOVE, BANDED	0 PPM	1-1-1-1	1540 100% REC WET @ TIP ▼ GW AT 7.5-8'
	8		AS ABOVE IN CUTTINGS		AUGER	
(3)			AS ABOVE, WET	0 PPM	8-10-9-14	1545
	10					BT @ 10'

Hole No. H833-SB48

DRILLING LOG	DIVISION: COE-SAVANNAH	INSTALLATION: HUNTER AAF	SHEET 1 OF 1 SHEETS

1. PROJECT	HUNTER AAF BLDG 833
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-SB48
5. NAME OF DRILLER	TOM FINKENBINDER
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	—
8. DEPTH DRILLED INTO ROCK	—
9. TOTAL DEPTH OF HOLE	20'
10. SIZE AND TYPE OF BIT	3.25" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	DIEDRICH D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	—
16. DATE HOLE	STARTED 3/5 / COMPLETED 3/5
17. ELEVATION TOP OF HOLE	36.6'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV. e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			16" CONCRETE		CORE	
	2		DARK BROWN (7.5YR 3/3) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUND DRY TO MOIST, MASSIVE	ϕ PPM	1-10-8-4	1333 100% REC ϕ
	4		NO CHANGE IN CUTTINGS		AUGER	
	6		V. DARK BROWN (7.5YR 2.5/3) SILTY SAND (SM) SILT: 15-25% SAND: FINE, WELL ROUND MOIST AT TIP, V. DENSE, MASSIVE	ϕ PPM	15-34-50/5"	1340 70% REC ϕ
	8		NO CHANGE IN CUTTINGS		AUGER	~~1350~~ BC ▽ GW AT 7.5'
	10		DARK YELLOW BROWN (10YR 4/6) SILTY SAND (SM) SILT: 10-20% SAND: FINE, WELL ROUND TR HEAVY MINERALS, WET, MASSIVE	ϕ PPM	7-23-29-31	1350 100% REC ϕ
	12				AUGER	
	14		AS ABOVE, COLOR TO YELLOW-BROWN (2.5Y 6/4)	ϕ PPM	8-15-18-30	1355 100% REC ϕ
	16		V. WET, LOOSE CUTTINGS		AUGER	~~1410~~ BC
	18		LT. GRAY (7.5Y 7/1) SILTY SAND (SM) SILT: 10-20% SAND: FINE, WELL ROUNDED TR HEAVY MINERALS SATURATED, MASSIVE	ϕ PPM	6-9-7-9	1410 25% REC ϕ
	20					BT @ 20'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB49

DRILLING LOG	DIVISION SAN	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB49
5. NAME OF DRILLER: Rob Shuey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 8.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 8.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 3/5/96; COMPLETED 3/5/96
17. ELEVATION TOP OF HOLE: 37.2'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphrey

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			CONCRETE 16" (1.3')	—	—	BLOWS OVA, ppm
	2		SAND: med-fine, V. dk Br 10YR 2/2, dry, loose, silty 25%, mod sorting (SM)	88	1	6-8-10-9 lab 2. 0 in BZ
	4		: as above, moist, roots			7-11-20 7.0
			— V. Pale Br 10YR 8/3, well sorted, silty 5%, tr. glauconite, loose-firm, dry. (SW)	88	2	
	6		Cuttings as above	—	—	Auger
			: dk Br 7.5YR 3/2, moist, roots loose-firm, silty 25%	88	3	8-10-7-12 lab 10.
	8		← wet (SM)			▽ Initial Wet Sample
			E.O.B. @ 8.0'			
	10					
	12					BZ = Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB50

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter II
2. LOCATION (Coordinates or Station): SAV 6A
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-SB50
5. NAME OF DRILLER: Rob Sluey
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 10.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 10.0'
10. SIZE AND TYPE OF BIT: 3 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: —
16. DATE HOLE: STARTED 4/3/96; COMPLETED 4/3/96
17. ELEVATION TOP OF HOLE: 39.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Asphalt 14" (1.1')	—	—	BLOWS OVA, ppm
	2		SAND: Med-fine, Vdl Br 10YR 5/6, silty 25%, mod sorting, loose-firm, dry tr. glauconite (SM)	100	1	13-7-6-7 Lab 3. 0 mB2
	4		as above, silt 35% (SM) — white 10YR 8/1, well sorted, silt 5%, tr. glauconite (SW)	75	2	17-33-17-13 5.
	6		cuttings as above	—	—	Auger
	8		: as above, moist - wet near bottom (SW)	95	3	3-4-5-6 Lab 5.0 ↓ ∑ for Vol wet sample
	10		E.O.B @ 10.0'			
	12					B2 - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB 1

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB 1
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 17.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 17.0'
10. SIZE AND TYPE OF BIT: 6¼" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 11.5' bgs
16. DATE HOLE: STARTED 4/23/96; COMPLETED 4/23/96
17. ELEVATION TOP OF HOLE: 36.4'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Hummings

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	OVA, ppm
			Concrete 14" (1.2')	—	—	BLOWS	
	2		SAND: fine-med-, YellBr 10YR 5/6, dry, wellsorted, tr. glauconite, silty 5-10% loose-firm. (SW)	96	1	5-11-76	Scan-0 HS-0 BZ-0
	4		as above to Lt. Br 6y-6/2. v. loose-loose. (SW)	96	2	4-4-4-6	Scan-0 HS-0 BZ-0
	6		as above, grading to Lt. Gy 10YR 7/1, (SW)	75	3	3-6-6-8 lab	Scan-1 HS-3 BZ-0
	8			—	—	↕ Auger	
			as above grading to White 10YR 8/1 damp-moist, silt 5-10%, tr. mica, tr. glauconite (SW)	88	4	3-7-7-9 Geotech	Scan-0.5 HS-2.5 BZ-0
	10						
	12		cuttings as above	—	—	↕ Auger ▽ wet cuttings ▽ 4-30-96	Initial
	14		as above. wet. loose-firm. (SW)	88	5	5-8-8-14 lab	Scan-1 HS-60 BZ-0
	16		Cuttings as above	—	—	↕ Auger	
	18		E.O.B @ 17.0				
	20						

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ____ PROJECT HOLE NO

Hole No. 833-WB2

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DAG	10. SIZE AND TYPE OF BIT 6 1/4" ID HSA
2. LOCATION (Coordinates or Station) SAV GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
3. DRILLING AGENCY PSI	12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
4. HOLE NO. (As shown on drawing title and file number) H833-WB2	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
5. NAME OF DRILLER M. Gribble	14. TOTAL NUMBER CORE BOXES —
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER 11.2' BGS
7. THICKNESS OF OVERBURDEN 18.0'	16. DATE HOLE STARTED 4/23/96 COMPLETED 4/23/96
8. DEPTH DRILLED INTO ROCK 0	17. ELEVATION TOP OF HOLE 37.6
9. TOTAL DEPTH OF HOLE 18.0'	18. TOTAL CORE RECOVERY FOR BORING — %
	19. SIGNATURE OF INSPECTOR D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
						Blows	OVA, ppm
			ASPHALT CONCRETE 15" (1.3')	—	—		
	2		SAND: fine-med, 10YR 5/3 br, well-sorted, dry, silty 20%, tr. glauconite, loose (SM)	96	1	6-10-6-7 Pesticide odor	Scan-1000+ HS-1000+ BZ-0
	4		: as above br-yell 10YR 6/6. silty 5-10%. loose-firm, dry. (SW)	88	2	5-8-12-16 Past. odor Lab	Scan-1000+ HS-1000+ BZ-0
	6		as above, grading to Pale Br - 6/3 dry. loose. (SW)	71	3	6-10-8-8 odor	Scan-1000+ HS-300 BZ-0
	8			—	—	↕ Auger	
			: 4. Br 6y 10YR 6/2, silty 30%, loose-firmer, dry. (SM)	88	4	6-18-15-16 odor bedrock	Scan-1000+ HS-1000+ BZ-0
	10						
	12		Cuttings as above	—	—	↕ Auger ▽ Initial wet cuttings	▽ 4-30-96
	14		: as above silty 5-10%, v. loose-loose, wet well-sorted, tr mica, tr glauconite (SW)	88	5	3-6-8-9 Lab	Scan-1000+ HS-1000+ BZ-0
	16		Cuttings as above	—	—	↕ Auger	
	18		E.O.B. @ 18.0'				
	20						

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ... PROJECT ... HOLE NO.

Hole No. H833-WB3

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DAACG Facility Investigation
2. LOCATION (Coordinates or Station) Savannah, GA
3. DRILLING AGENCY PSI
4. HOLE NO. (As shown on drawing title and file number) H833-WB-3
5. NAME OF DRILLER Ken Durham
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN 16.5'
8. DEPTH DRILLED INTO ROCK —
9. TOTAL DEPTH OF HOLE 16.5'
10. SIZE AND TYPE OF BIT 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES —
15. ELEVATION GROUND WATER 9.7' BGS
16. DATE HOLE: STARTED 4-24-96; COMPLETED 4-24-96
17. ELEVATION TOP OF HOLE 37.8'
18. TOTAL CORE RECOVERY FOR BORING — %
19. SIGNATURE OF INSPECTOR D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			ASPHAIT (1.0')	↕	CORE	Blows / OVA BZ/Sample
	2		Fill to 1.75': Sand, silty ≈25% fines, well sorted, v. pale brown 10YR8/3, SAND, SW, fine, well sorted, v. DK. brown, 7.5YR 2.5/2, Dry round.	92%	1	11-20-20-17 (1030) 01.6 LEL=0%
	4		AS Above to 4.7'. SAND, SW, fine, well sorted, strong brown, 7.5YR 5/6, Dry round.	92%	2	4-6-7-8 (1035) LAB 01 1.2 LEL=0%
	6		SAND, SW, fine, well sorted, DK. reddish brown 5YR 3/2, moist, round	79%	3	6-6-8-6 (1040) 01.6 LEL=0%
	8		AS Above	↕	AUGER	
			AS Above, wet.	88%	4	1-1-1-1 (1045) Switched LAB 01 82 LEL=0% ▼ 5-9-96
	10					
	12		AS Above.	↕	AUGER	
	14		AS Above to 14.5' Clay, CL, Firm, DK. grayish brown.	100%	5	1-1-1-1 (1055) 01 0 LEL=0%
	16		AS Above Sand.	↕	AUGER	
			EOB 16.5'			OVA Readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB4

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	DAG
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-WB4
5. NAME OF DRILLER	M. Gribble
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	16.0'
8. DEPTH DRILLED INTO ROCK	Ø
9. TOTAL DEPTH OF HOLE	16.0'
10. SIZE AND TYPE OF BIT	6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	9.9' BGS
16. DATE HOLE	STARTED 4/24/96 COMPLETED 4/24/96
17. ELEVATION TOP OF HOLE	38.1'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Hunphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Asphalt & Concrete .15" (1.3')	—	—	BLOWS / OVA, ppm
	2		SAND: fine-med, olive Br 2.5Y4/4 to Yell-7/6, well sorted, silty 5-15% dry, loose-firm. (SM/SW)	100	1	8-15-10-11 Scan-0 HS-0 BZ-0
	4		as above, grading to Yell Red 5YR 4/6, tr. glauconite, v. loose, dry-damp (SM/SW)	92	2	3-3-4-3 Scan-0 HS-Ø BZ-0
	6		as above, grading to dk red 2.5YR 5/1 (white samp-black silt) silt 25%, dry, v. loose-loose, well sorted. (SM)	88	3	3-3-5-5 Lab Scan-Ø HS-1 BZ-0
	8		as above	—	—	Auger
	10		as above, to black (no odor) loose-v. dense. damp-moist. silty 20% ← moist (SM)	92	4	10-22-25-50/3 lab ▼ 5.9.96 Scan-22 HS-20 BZ-0
	12		Cuttings as above Color-Yell Red	—	—	▼ wet auger Auger initial wet
	14		: fine-med; Yell Red 5YR 4/6,	75	5	25-34-50/6 ▼ sample Geotech Scan-10 HS-6 BZ-0
	16		as above E.O.B. @ 16.0	—	—	Auger
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB 5

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT PAACG Facility Investigation		10. SIZE AND TYPE OF BIT 6.25" I.D. HSA	
2. LOCATION (Coordinates or Station) Savannah, GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-WB 5		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
5. NAME OF DRILLER Ken Durham		14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 10.0' BGS	
7. THICKNESS OF OVERBURDEN 17.5'		16. DATE HOLE	STARTED 4-25-96 / COMPLETED 4-25-96
8. DEPTH DRILLED INTO ROCK —		17. ELEVATION TOP OF HOLE 38.3'	
9. TOTAL DEPTH OF HOLE 17.5'		18. TOTAL CORE RECOVERY FOR BORING — %	
		19. SIGNATURE OF INSPECTOR S. Rowell	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			ASPHALT/concrete (1.5')		CORE	Blows / OVA BZ/Sample
	2		SAND, SW, fine, well sorted, DK. gray, 10YR 4/1, DRY, round.	100%	1	6-16-16-7 (0805) / 0/960 LEL = 0% / 0/>1000 LEL = 0%
	4		As Above, moist	88%	2	3-3-6-6 (0810)
	6		SAND, SW, <5% fines, fine grained well sorted, DK. brown, 7.5YR 3/3, moist, round	100%	3	3-3-5-11 (0815) / <1 / >1000 LEL = 0%
	8		As Above		AUGER	
			SAND, SW, fine-V. fine, well sorted dusky red, 2.5YR 4/4, moist, round	88%	4	21-27-50/2" (0825) LAB / 0/>1000 LEL = 0%
	10					▼ 5-10-96 ▽ Initial
	12		As Above		AUGER	
	14		SAND, SW, fine-V. fine, well sorted strong brown, 7.5YR 5/6, wet round	100%	5	11-25-36-50/5" (0835) LAB / 0/>1000 LEL = 0%
	16		As Above.		AUGER	OVA readings in ppm
	18		EOB @ 17.5'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB6

DRILLING LOG	DIVISION: SAVANNAH	INSTALLATION: HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAAGG Facility Investigation
2. LOCATION (Coordinates or Station): Savannah, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB6
5. NAME OF DRILLER: Ken Durham
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 16.5'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 16.5'
10. SIZE AND TYPE OF BIT: 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 9.7' BGS
16. DATE HOLE: STARTED 4-25-96; COMPLETED 4-25-96
17. ELEVATION TOP OF HOLE: 37.9'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: J. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			ASPHALT / Concrete (1.25')		CORE	Blows / OVA PID/Sample
	2		SAND, SW, fine wellsorted, DK. brown, 7.5 YR 3/2, moist, round.	88%	1	3-10-12-12 (0925) LAB 0/>1000 LEL = 0%
	4		SAND, SW, <5% fines, fine grained, well sorted, DK. reddish brown, 5YR 3/2, moist, round	92%	2	5-7-7-7 (0930) 0/180 LEL = 0%
	6		SAND, SW, v. fine, wellsorted, v. dusky red, 2.5YR 2.5/2, Dry, subround - round	75%	3	5-15-50/6" (0935) 0/290 LEL = 0%
	8		As Above		AUGER	
			SAND, SW, fine - v. fine, well sorted, strong brown, 7.5YR 5/6, moist round.	88%	4	5-14-26-33 (0940) LAB 0/>1000 LEL = 0% ▼ 5-10-96 ▽ Initial
	10		As Above		AUGER	
	12					
	14		SAND, SW, fine, well sorted, strong brown, 7.5YR 5/6, wet, round.	96%	5	4-8-16-27 (0950) 0/5.4 LEL = 0%
	16		As Above		AUGER	
			EOB 16.5'			OVA readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB 7

DRILLING LOG	DIVISION SAV.	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAC
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB7
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 16.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 16.0'
10. SIZE AND TYPE OF BIT: 6¼" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 10.4' BGS
16. DATE HOLE: STARTED 4/29/96; COMPLETED 4/29/96
17. ELEVATION TOP OF HOLE: 38.5'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 16" (1.3')	—	—	BLOWS / OVA ppm
	2		SAND: fine-med, v. dk Gy 5YR 3/1, silty 20%, dry, loose-firm, well sorted (SM)	83	1	6-20-18-14 8:20 1.6 / Scan - 0.5, HS - 0, BZ - 0
	4		: as above Br 10YR 5/3 to v. dk Br - 2/2, wet at bottom, v. loose-loose (SM)	83	2	3-9-7-7 8:25 / Scan - 0, HS - 0, BZ - 0
	6		: v. dk Br wet, to dk red Br, 5YR 3/3, dry loose-v. dense, tr. glauconite. silty 10-20% (SM)	58	3	5-26-50/6 8:30 ▽ initial wet sample perched? / Scan - 0, HS - 0, BZ - 0
	8		AS Above	—	Auger	
			: as above, Yell Red 5YR 4/4, damp - wet at bottom, tr. glauconite, silty 5-10% well sorted (SW/SM)	50	4	14-50/6" 1.6 0835 ▽ initial wet sample ▼ 5-7-96 / Scan - 0, HS - 0.2, BZ - 0
	10		Cuttings as above	—	↑ Auger ↓	
	12					
	14		: Yell-Br 10YR 5/6, wet, silty 5-10% well sorted, firm-v. firm. tr. glauconite (SW)	71	5	11-26-28-27 0847 Geotech / Scan - 1, HS - NA, BZ - 0
			Cuttings as above	—	Auger	
	16		E.O.B. @ 16.0'			
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB8

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DAACG Facility Investigation		10. SIZE AND TYPE OF BIT 6.25" I.D. HSA	
2. LOCATION (Coordinates or Station) Savannah, GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-WB-8		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5	UNDISTURBED —
5. NAME OF DRILLER Ken Durham		14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 10.3' BGS	
		16. DATE HOLE: STARTED 4-24-96	COMPLETED 4-24-96
7. THICKNESS OF OVERBURDEN 17.5'		17. ELEVATION TOP OF HOLE 37.4'	
8. DEPTH DRILLED INTO ROCK —		18. TOTAL CORE RECOVERY FOR BORING — %	
9. TOTAL DEPTH OF HOLE 17.5'		19. SIGNATURE OF INSPECTOR S. Rowell	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.25')		CORE	Blows / OVA BZ/Sample
	2		SAND, SW, fine, well sorted, DK. brown, 7.5YR 3/2, Dry, round. fines < 5%	96%	1	4-10-9-11 (0905) 0 / 190 LEL=0%
	4		AS Above to 4'. SAND, SW, V. fine, well sorted. V. pale brown, 10YR 8/3, Dry, round.	100%	2	6-7-7-9 (0910) 0 / 300 LEL = 0%
	6		SAND, SW, fine, well sorted, reddish brown, 2.5YR 3/1, Dry, round. Color change @ 6.5' DK. reddish brown 5YR 3/4	96%	3	7-7-12-12 (0915) Lab 0 / 460 LEL = 0%
	8		AS Above		AUGER	
			AS Above. wet. lt. yellowish brown 10YR 6/4.	100%	4	10-18-20-17 (0920) Lab 0 / >1000 LEL = 0% ▽ Initial ▼ 4-30-96
	10		AS Above			
	12				AUGER	
	14		SAND, SW, fine, well sorted, lt. brownish gray, 10YR 6/2, wet, round. 1" clay lenses, sandy @ 15%	80%	5	3-6-8-11 (0930) 0 / 260 LEL = 0%
	16		at 13.5': AS Above		AUGER	OVA readings in ppm
			EOB @ 17.5'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB9

DRILLING LOG	DIVISION: Savannah	INSTALLATION: HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAACG Facility Investigation
2. LOCATION (Coordinates or Station): Savannah, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB9
5. NAME OF DRILLER: Ken Durham
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 16.5'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 16.5'
10. SIZE AND TYPE OF BIT: 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 9.2' BGS
16. DATE HOLE: STARTED 4-24-96; COMPLETED 4-24-96
17. ELEVATION TOP OF HOLE: 37.0'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			ASPHALT (0.4')	↕	CORE	Blows / B = OVA/Sample
	2		(E:11) 5:14y SAND, SM, med.-fine, Mod. sorted. V. Pale brown, Dry, sub. angular. 10YR 8/4	50%	1	29-50/6" (1345) 0/0 LEL=0%
	4		SAND, SW, fine, well sorted, V. Pale brown, 10YR 8/4, Dry, round. Color change at 3.9' to DK. brown, 7.5 YR 3/3	75%	2	6-8-15-15 (1350) 0/0 LEL=0%
	6		As Above. moist	88%	3	4-6-9-25 LAB (1355) 0/.4 LEL=0%
	8		As Above	↕	AUGER	
	10		As Above. V. fine SAND.	75%	4	31-50/2.5" (1405) ▽ 5-9-96 0/.3 LEL=0% ▽ Initial
	12		As Above. wet	↕	AUGER	
	14		As Above to 14.2'. SAND, SW, fine, well sorted, strong brown, 7.5YR 5/6, wet, round	100%	5	11-17-20-14 LAB (1415) 0/8.4 LEL=0%
	16		As Above	↕	AUGER	OVA Readings in PPM
			EoB @ 16.5'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB10

DRILLING LOG	DIVISION: SAVANNAH	INSTALLATION: HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAACG Facility Investigation
2. LOCATION (Coordinates or Station): Savannah, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB 10
5. NAME OF DRILLER: Ken Durham
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 16.5'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 16.5'
10. SIZE AND TYPE OF BIT: 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 9.4' BGS
16. DATE HOLE: STARTED 4-24-96; COMPLETED 4-24-96
17. ELEVATION TOP OF HOLE: 37.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			ASPHALT (0.4')	↕	CORE	Blows / OVA BZ / Sample
	2		(F:11) Silty Sand, sm, med. fine, mod sorted, V. Pale brown, 10YR 8/4, Dry (2.4-2.4) sand, sw, V. fine, well sorted, pinkish gray, 7.5YR 7/2, Dry, round	79%	1	15-20-17-15 (1510) 0/0 LEL=0%
	4		As Above to 3.8'. SAND, sw, V. fine, well sorted DK. brown, 7.5YR 3/2, moist, round.	79	2	8-5-4-3 (1515) LAB 0/3 LEL=0%
	6		As Above, Dry. color change to DK. reddish gray 10R3/1,	83%	3	3-3-16-31 (1520) 0/0 LEL=0%
	8		As Above.	↕	AUGER	
	10		As Above, moist, Dusky red 2.5YR 3/3.	58%	4	28-50/1.5 (1525) LAB 0/38 LEL=0% ▼ 5-9-96 ▽ Initial
	12		As Above, wet	↕	AUGER	
	14		As Above.	90%	5	25-50/3" (1530) 0/2 LEL=0%
	16		As Above	↕	AUGER	OVA Readings in ppm
			EOB @ 16.5'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB 11

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAB
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB 11
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 17.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 17.0'
10. SIZE AND TYPE OF BIT: 6 1/4" I.D HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 10.0' BGS
16. DATE HOLE: STARTED 4/23/96; COMPLETED 4/23/96
17. ELEVATION TOP OF HOLE: 34.8'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphs

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			CONCRETE 15" (1.3')	—	—	Blows / OVA, ppm
	2		SAND: fine-med; Lt. yell Br 10YR 6/4, dry, v. loose-firm, well sorted, silty 5%. (SW)	96	1	4-13-14-16 Scan-100 HS=10 BZ=0
	4		: Lt. BrGy 2.5Y 6/2, tr. glauconite dry, loose, silty 5%. as above (SW)	96	2	5-5-5-8 lab Scan-60 HS-120 BZ=0
	6		: as above, loose-firm (SW) CLAY: Gray 5Y 6/1, dry, sl. plastic, sandy 20% (CL)	96	3	5-7-11-10 HC odor Scan-60 HS=40 BZ=0
	8		: as above	—	—	Auger
			SAND: fine-med; white 5Y 8/1, well sorted, wet at bottom, tr. glauconite. v. loose-firm, silty 5-10% (SW)	83	4	4-8-13-15 lab Scan-1000 HS=1000+ BZ=0 ▽ initial wet sample ▽ 4-30-96
	10		as above, from cuttings	—	—	Auger
	12					
	14		: as above 2" clayey layer (SW)	88	5	3-5-8-11 Geotech Scan- HS-NA BZ=0
	16		as above.	—	—	Auger
	18		E.O.B. @ 17.0'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ____ PROJECT HOLE NO.

Hole No. H833-WB12

DRILLING LOG	DIVISION SAD	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG	10. SIZE AND TYPE OF BIT: 6 3/4" ID HSA
2. LOCATION (Coordinates or Station): SAD GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: PSI	12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
4. HOLE NO. (As shown on drawing title and file number): H833-WB12	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
5. NAME OF DRILLER: M. Gribble	14. TOTAL NUMBER CORE BOXES: —
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 10.0' BGS
7. THICKNESS OF OVERBURDEN: 16.0'	16. DATE HOLE: STARTED 4/22/96; COMPLETED 4/22/96
8. DEPTH DRILLED INTO ROCK: Ø	17. ELEVATION TOP OF HOLE: 36.6'
9. TOTAL DEPTH OF HOLE: 16.0'	18. TOTAL CORE RECOVERY FOR BORING: — %
	19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
	1		CONCRETE 16" (1.3')	—	—	
	2		SAND: med-fine: v. dk gr 2.5Y 3/1 dry, loose-firm, silty 15%, well sorted, (SM)	88	1	5-10-15-10 / Scan-200 HS-280 BZ-0
	4		as above Br 10YR 4/3, v loose-loose. tr glauconite. (SM)	88	2	3-3-3-5 HC odor / Scan-200 HS-200 BZ-0
	6		Dk Br-3/3, v. loose, moist at bottom, as above (SM)	88	3	3-3-4-3 Lab / Scan-200 HS-400 BZ-0
	8		As above	—	—	Auger
	10		as above, tr. mica., loose / CLAY: 2.5Y 6/1 gray, dry, 2" in shoe	92	4	6-9-10-7 Lab initial ▽ wet sample Geotech ▽ 5-1-96 / Scan 1000+ HS-1000+ BZ-0
	12		7.-7.- Contract not seen while drilling in cuttings nor drill speed	—	—	Auger
	14		SAND. Lt Br-gy 10YR 6/2, fine-med tr. mica, tr. glauconite, well sorted silty 5% (SW)	42	5	2-2-2-3 / Scan 3 HS-NA BZ-0
	16		As above.	—	—	Auger
			E.O.B. @ 16.0'			
	18					
	20					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM _____ PROJECT _____ HOLE NO. _____

Hole No. H833-WB13

DRILLING LOG	DIVISION SAVANNAH	INSTALLATION Hunter AAF	SHEET 1 OF 1 SHEETS

1. PROJECT: Hunter AAF B.833 DAACG Facility Investigation
2. LOCATION (Coordinates or Station): SAVANNAH, GA B.833
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB13
5. NAME OF DRILLER: Ken Durham
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.5'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 15.5'
10. SIZE AND TYPE OF BIT: 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Dierich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 9.7' BGS
16. DATE HOLE: STARTED 4-22-96; COMPLETED 4-22-96
17. ELEVATION TOP OF HOLE: 36.9'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Howell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.5')		CORE	Blows / 6" — OVA Bz / Sample
	2'		SAND, SW, fine, rounded, well sorted, very pale brown, 10YR 7/3. Dry	60%	1	7,12,18,14 (1225) — 0/110 LEL = 0%
	4'		SAND, SW, fine, rounded, well sorted, dark brown, 7.5YR 3/3. moist	90%	2	4,5,5,7 (1230) — 0/440 LEL = 0%
	6'		SAND, SW, fine, subround-round, well sorted, brownish yellow, 10YR 6/6. moist	85%	3	4,5,4,5 (1235) — 0/120 LEL = 0%
	8'		As Above	↕	AUGER	
			As Above. wet	60%	4	5,12,22,23 (1240) ▽ Initial ▼ 5-10-96 — 0/>1000 LEL = 0%
	10'		As Above.		AUGER	
	12					
	14		13.5'-14.7' - Clay, CL, fine sand <5%, gray, 5Y5/1, moist, firm, 14.7'-15' - SAND, SW, fine sand, lt. olive brown 2.5Y 5/4, wet.	83%	5	4,4,10,11 (1250) — 0/110 LEL = 0%
			As Above	↕	AUGER	
			EOB. @ 15.5'			

OVA Readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB14

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS
1. PROJECT DAACG Facility Investigation		10. SIZE AND TYPE OF BIT 6.25" I.D. HSA	
2. LOCATION (Coordinates or Station) Savannah, GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-WB-14		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5	UNDISTURBED —
5. NAME OF DRILLER Ken Durham		14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 8.3' BGS	
7. THICKNESS OF OVERBURDEN 15.5'		16. DATE HOLE STARTED 4-22-96	COMPLETED 4-22-96
8. DEPTH DRILLED INTO ROCK —		17. ELEVATION TOP OF HOLE 35.8'	
9. TOTAL DEPTH OF HOLE 15.5'		18. TOTAL CORE RECOVERY FOR BORING — %	
		19. SIGNATURE OF INSPECTOR D. Rowell	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			Concrete (1.25')		CORE	Blows	OVA BZ/Sample
	2		Sand, SW, fine grained, round, well sorted, brown, 7.5YR 4/3, Dry	88%	1	5, 11, 15, 12 (1340)	0/0 LEL = 0%
	4		As Above. Dusky Red 2.5YR 3/4	100%	2	4, 5, 5, 5 (1350)	0/0 LEL = 0%
	6		Sand, SW, fine grained, round, well sorted, strong brown 7.5YR 5/6. moist	85%	3	6, 12, 14, 16 (1355)	0/0 LEL = 0%
	8		As Above.		Auger		Initial 5-9-96
			Sand, SW, fine grained, round, well sorted, dusky red, 2.5YR 3/4 wet.	80%	4	14, 50/6" (1400)	0/3 LEL = 0%
	10		As Above.		Auger		
	12		As Above		Auger		
	14		Sand, SW, dark grayish brown 10YR 4/2, fine, well sorted, wet.	92%	5	3, 6, 7, 7 (1410)	0/1 LEL = 0%
	16		EOB 15.5'			OVA Readings in ppm	

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ____ PROJECT HOLE NO

Hole No. H833-WB15

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	DAG
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-SB15
5. NAME OF DRILLER	M. Gribble
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	15.0'
8. DEPTH DRILLED INTO ROCK	0
9. TOTAL DEPTH OF HOLE	15.0'
10. SIZE AND TYPE OF BIT	6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	8.2' BGS
16. DATE HOLE	STARTED 4/25/96 / COMPLETED 4/25/96
17. ELEVATION TOP OF HOLE	35.9'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA ppm
			Concrete 16" (1.3')	—	—	
	2		SAND: med-fine; dk yell Br 10YR 3/4 to Lt. gy - 7/1, well sorted, dry, silty 5-10%, loose-firm. (SW)	100	1	8-12-16-16 — Scan-0, HS-0, BZ-0
	4		as above to black 10YR 2/1, fr mica, tr. glauconite, silty 25%, damp (SM)	100	2	4-5-6-4 — Scan-0, HS-0, BZ-0
	6		as above, (no color) to a dk red/black v. loose-v. firm. damp (SM)	98	3	2-3-10-22 lab — Scan-60, HS-56, BZ-0
	8		AS Above	—	Auger	W.L. in well after install ▼ lab
			as above, firm-v. dense wet. (SM)	54	4	▼ Initial Wet Sample (15-50/6) — Scan-1, HS-, BZ-0
	10		Cuttings as above	—	Auger	
	12					
	14		: as above; to a yell Red 5YR 4/6, silty 5-10%, wet, v. loose-firm (SW)	50	5	3-4-17-20 Geotech — Scan-1, HS-N/A, BZ-0
			E.O.B. @ 15.0'			
	16					
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB16

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV 6A
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB16
5. NAME OF DRILLER: PSI/M. Gribble
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 8.3' BGS
16. DATE HOLE: STARTED 4/25/96; COMPLETED 4/25/96
17. ELEVATION TOP OF HOLE: 36.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA, ppm
			Concrete 16" (1.3')	—	—	
	2		SAND; med-fine; v. dk. gy 2.5Y 3/1, dry, well sorted, silty 10%, loose-firm. → moist zone tr. organics (SW)	100	1	10-15-16-16 / Scan - 0, HS - 0.5, BZ - 0
	4		as above, mostly black, silty 20%, moist, v. loose-loose. (SM)	100	2	3-3-3-8 lab / Scan - 6, HS - 2, BZ - 0
	6		: as above, dk Red Br 5YR 2.5/2, damp, well sorted, silty 10%, loose-v. loose. (SM)	79	3	10-25-50/5 bedrock / Scan - 0, HS - 0, BZ - 0
	8		As Above / as above (SM)	— / 71	Auger / 4	15-50/6 lab ▽ init. in well at installation. ▽ initial wet sample / Scan - 6, HS - 7, BZ - 0
	10		Cuttings as above	—	↑ Auger ↓	
	12					
	14		: dk Br 7.5YR 3/3, silty 10%, tr. Fe cemented concretions 1/4-1/2" (SM)	100	5	26-44-50/6 / Scan - 0, HS - NA, BZ - 0
	16		E.O.B. @ 15.0'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. HS33-WB17

DRILLING LOG	DIVISION SAV.	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): HS33-WB17
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED ____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 17.0
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 17.0'
10. SIZE AND TYPE OF BIT: 6¼" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 9.4' BGS
16. DATE HOLE: STARTED 4/22/96; COMPLETED 4/22/96
17. ELEVATION TOP OF HOLE: 36.1'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphs

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 17" (1.4')	—	—	Blows / OVA, ppm
	2		SAND: fine-med, 10YR6/3 Pale Br, well sorted, silty 5%, tr. glauconite, dry loose-firm (SW)	21 / 88	1	8-18-17-12 / HS-32, 0 in BZ
	4		: Dk yell Br 10YR 4/4, loose as above (SW)	100	2	5-6-5-5 / Scan-200, HS-30, BZ-0
	6		: dk Br. 7.5YR 3/3. v. loose-firm as above. (SW)	19 / 79	3	3-5-7-13, HC odor, Lab / Scan-900, HS-40, BZ-0
	8		As Above	—	—	Auger
	10		: moist at bottom, 10YR6/3 Pale Br. firm. silty 15% well sorted. (SM)	20 / 83	4	11-18-13-14, Pesticide odor, Lab, ▽ 5-1-96 / Scan 1000+, HS-1000+, BZ-0-1
	12		as above	—		Auger ▽ wet cuttings
	14		: Saturated, as above, silty 5% (SW)	100	5	4-4-5-6 / Scan 11, HS-30, BZ-0
	16		as above	—	—	
	18		E.O.B. @ 17.0			
	20					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ____ PROJECT ____ HOLE NO. ____

Hole No. H833-WB18

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	DAG
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-WB18
5. NAME OF DRILLER	M. Gribble
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	17.0'
8. DEPTH DRILLED INTO ROCK	Ø
9. TOTAL DEPTH OF HOLE	17.0'
10. SIZE AND TYPE OF BIT	6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	10.2' BGS
16. DATE HOLE	STARTED 4/23/96 / COMPLETED
17. ELEVATION TOP OF HOLE	35.6'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	OVA, ppm
						BLOWS	
			CONCRETE 15" (1.3')	—	—		
	2		SAND: fine-med- Bryell 10YR 6/6, well-sorted, dry, silty 15%, tr. glauconite loose-firm (SM/SW)	100	1	12-8-11-14	Scan-0 HS-0 BZ-0
	4		: as above, mottling w/ v. Pale Br 10YR 8/2. silty 5-10% (SW)	88	2	7-11-13-15	Scan-0 HS-0 BZ-0
	6		: as above - to White 10YR 8/1, dry, well sorted, silty 5%, tr. glauconite loose-firm. (SW)	88	3	6-10-12-12	Scan-0 HS-0 BZ-0
			As Above	—	—	↕ Auger	
	8		: fine-med- Br-yell 10YR 6/6, well sorted, moist-wet, v. loose-loose, silty 10%. tr. glauconite. (SW/SM)	98	4	3-5-6-6 * initial wet sample ▼ in well after install	Scan-0 HS-0.5 BZ-0
	10		as above, from cuttings clayey	—	—	↑ Auger ↓	
	12		: dkBr to Gray 5Y 6/1, well sorted wet, v. loose. 6" clay silty 20% v. runny sands (SM)	100	5	3-1-1-1	Scan-0 HS-NA BZ-0
	14		as above	—	—	↕ Auger	
	16						
	18		TD - E.O.B @ 17.0'				

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM [illegible] | PROJECT | HOLE NO.

Hole No. H833-WB19

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DAACG Facility Investigation	10. SIZE AND TYPE OF BIT 6.25" I.D. HSA
2. LOCATION (Coordinates or Station) Savannah, GA	11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
3. DRILLING AGENCY QSI	12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
4. HOLE NO. (As shown on drawing title and file number) WB-19	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
5. NAME OF DRILLER Ken Durham	14. TOTAL NUMBER CORE BOXES —
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER 9.0' BGS
7. THICKNESS OF OVERBURDEN 16.5'	16. DATE HOLE: STARTED 4-22-96; COMPLETED 4-22-96
8. DEPTH DRILLED INTO ROCK —	17. ELEVATION TOP OF HOLE 35.8'
9. TOTAL DEPTH OF HOLE 16.5'	18. TOTAL CORE RECOVERY FOR BORING — %
	19. SIGNATURE OF INSPECTOR D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.3')		CORE	Blows / OVA BZ/S sample
	2		Sand, SW, fine grained, very pale brown, 10YR8/3, well sorted, loose, dry.	88%	1	4,12-15-17 (1600) / 0/100 LEL: 0%
	4		SAND, SW, V. fine, very dusky red 2.5YR 2.5/3, well sorted, loose, dry.	100%	2	5-5-5-6 (1610) / 0/260 LEL: 0%
	6		As Above. moist	88%	3	8-12-12-14 (1615) / 0/190 LEL: 0%
	8		As Above		Auger	
			Sand, SW, V. fine, pale brown, 10YR 6/3, well sorted, moist-wet. Loose	100%	4	3-3-5-3 ▼4-30-96 lab (1620) ▼ Initial / 0/>1000 LEL: 0%
	10		9.6-10' clay, CL, firm, gray, 2.5Y6/1			
	12		As Above ? - ? - ?		Auger	
	14		Sand, SW, fine grained, rounded, well sorted, V. pale brown, 10YR 7/4, wet. at 13.5'. w/2" clay lense (CL)	100%	5	2-3-3-4 (1630) lab / 0/300 LEL: 0%
	16		EOB 16.5'		Auger	

OVA Reading in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB20

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DA-ACG Facility Investigation
2. LOCATION (Coordinates or Station) Savannah, GA
3. DRILLING AGENCY PSI
4. HOLE NO. (As shown on drawing title and file number) H833-WB20
5. NAME OF DRILLER Ken Durham
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN 17.5'
8. DEPTH DRILLED INTO ROCK —
9. TOTAL DEPTH OF HOLE 17.5'
10. SIZE AND TYPE OF BIT 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES —
15. ELEVATION GROUND WATER 9.7' BGS
16. DATE HOLE: STARTED 4-23-96; COMPLETED 4-23-96
17. ELEVATION TOP OF HOLE 37.0'
18. TOTAL CORE RECOVERY FOR BORING — %
19. SIGNATURE OF INSPECTOR D. Howell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.25')		CORE	Blows / OVA 137/Sample
	2		SAND, SW, fine, well sorted, lt. brown, 7.5YR 6/4, Dry, round.	92%	1	3-7-9-9 (1120) 0 / 0 LEL = 0%
	4		SAND, SW, v. fine, well sorted, DK. reddish brown, 5YR 3/3, Dry round.	100%	2	3-4-4-6 (1125) 0 / 0 LEL = 0%
	6		SAND, SW, fine, well sorted, strong brown, 7.5YR 4/6, Dry, round	88%	3	7-8-10-10 (1130) 0 / 0 LEL = 0%
	8		AS Above		AUGER	
			AS Above. moist.	100%	4	9-26-30-36 (1140) LAB 0 / 1.1 LEL = 0% ▽ = Initial 5-8-96
	10		AS Above.		AUGER	
	12					
	14		SAND, SW, fine, well sorted fines <5%, brown, 7.5YR 4/3, round, wet	100%	5	7-6-5-8 (1145) LAB 0 / 2.2 LEL = 0%
	16		AS Above EOB @ 17.5'		AUGER	OVA Readings in ppm
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB21

DRILLING LOG	DIVISION SAVANNAH	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT DAACG Facility Investigation
2. LOCATION (Coordinates or Station) SAVANNAH, GA
3. DRILLING AGENCY PSI
4. HOLE NO. (As shown on drawing title and file number) H833-WB-21
5. NAME OF DRILLER Ken Durham
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN 16.5'
8. DEPTH DRILLED INTO ROCK —
9. TOTAL DEPTH OF HOLE 16.5'
10. SIZE AND TYPE OF BIT 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL
12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES —
15. ELEVATION GROUND WATER 9.7' bgs
16. DATE HOLE: STARTED 4-23-96; COMPLETED 4-23-96
17. ELEVATION TOP OF HOLE 36.0'
18. TOTAL CORE RECOVERY FOR BORING — %
19. SIGNATURE OF INSPECTOR D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.25')		Core	Blows — OVA PPM / SAMPLE
	2		SAND, sw, fine, well sorted, lt. brown, 7.5YR 6/4, round, dry	88%	1	6-11-11-11 (0805) — 0/0 LEL=0%
	4		SAND, sw, fine, well sorted, very pale brown, 10YR 7/4, round, moist.	92%	2	4-6-6-8 (0810) — 0/0 LEL=0%
	6		SAND, sw, fine, well sorted, dusky red, 2.5YR 3/4, round, moist	100%	3	5-6-7-10 (0815) lab 0/0 LEL=0%
			AS Above		Auger	
	8		AS Above. wet	100%	4	3-5-6-10 (0820) ▽ Initial ▼ 4-30-96 lab 0/76 LEL=0%
	10		AS Above.		Auger	
	12					
	14		SAND, sw, fine, well sorted, pinkish gray 7.5YR 7/2, round, wet. 13.3-15' clay, cl, soft, gray, 2.5Y 6/1, wet.	100%	5	2-2-2-3 (0825) — 0/0 LEL=0%
	16		AS Above.		Auger	
			EOB @ 16.5'			OVA Readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB22

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	DAACG Facility Investigation.
2. LOCATION (Coordinates or Station)	Savannah, GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-WB-22
5. NAME OF DRILLER	Ken Durham
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	16.5'
8. DEPTH DRILLED INTO ROCK	—
9. TOTAL DEPTH OF HOLE	16.5'
10. SIZE AND TYPE OF BIT	6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrick D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	8.7' BGS
16. DATE HOLE	STARTED 4-23-96 / COMPLETED 4-23-96
17. ELEVATION TOP OF HOLE	35.7'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.25')		CORE	Blows / OVA BZ/Sample
	2		SAND, SW, V. fine, well sorted, V. Pale Brown 10YR 8/3, round, Dry.	83%	1	5-16-20-21 (0930) LAB 0/1.5 LEL=0%
	4		As Above to 4.0 SAND, SW, fine, well sorted fines<5% Black, 5YR 2.5/1 moist, round.	100%	2	4-5-7-9 (0935) LAB 0/2.2
	6		SAND, SW, fine, well sorted, strong brown, 7.5YR 4/6, moist, round	100%	3	6-7-6-7 (0940) LAB 0/1.6 LEL=0%
	8		As Above		Auger	
			As Above to 9.5'. wet clay CL, firm, gray 10YR 6/1 @ 9.5'	88%	4	6-9-10-10 (0950) LAB 0/3.6 LEL=0% ▽ Initial 5-8-96
	10		As Above.			
	12		SAND As Above		AUGER	
	14		SAND, SW, fine, well sorted, V. Pale brown, 10YR 8/3, round, wet. clay, CL, at 14'. firm, gray 10YR 6/1	100%	5	2-5-7-9 (0955) 0/0 LEL=0%
	16		As Above		AUGER	
			EOB 16.5'			OVA Readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB23

DRILLING LOG	DIVISION Savannah	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS
1. PROJECT DAACG Facility Investigation		10. SIZE AND TYPE OF BIT 6.25" I.D. HSA	
2. LOCATION (Coordinates or Station) Savannah, GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-WB23		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5	UNDISTURBED —
5. NAME OF DRILLER Ken Durham		14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 7.7' BGS	
		16. DATE HOLE: STARTED 4-23-96	COMPLETED 4-23-96
7. THICKNESS OF OVERBURDEN 15.5'		17. ELEVATION TOP OF HOLE 34.6'	
8. DEPTH DRILLED INTO ROCK —		18. TOTAL CORE RECOVERY FOR BORING — %	
9. TOTAL DEPTH OF HOLE 15.5'		19. SIGNATURE OF INSPECTOR S. Powell	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
						Blows	OVA BZ / Sample
			Concrete (1.25')		CORE		
	2		SAND, SW, fine, well sorted, yellowish brown, 10YR 5/4, moist, round.	83%	1	6-13-15-8 (1415)	0/0 LEL=0%
	4		As Above to 4'. SAND, SW, fine, well sorted, v. dusky red, 2.5YR 2.5/3, moist, round	100%	2	3-4-5-8 (1430)	0/0 LEL=0%
	6		As Above to 6.5' SAND, SW, fine, well sorted, brown 7.5YR 4/4, wet, round	100%	3	3-4-6-7 (1435) lab ▽ Initial ▼ 5.7-%	0/.4 LEL=0%
	8		As Above		Auger		
			As Above. wet	100%	4	8-12-21-23 (1440) lab	0/18 LEL=0%
	10		As Above		Auger		
	12						
	14		As Above	100%	5	5-10-17-18 (1455)	0/0 LEL=0%
			As Above		Auger		
	16		EOH 15.5'			OVA Readings in ppm	

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. 11833 - WB 24

DRILLING LOG | DIVISION: SAVANNAH | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: DAACG Facility Investigation
2. LOCATION (Coordinates or Station): SAVannah, GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833 - WB 24
5. NAME OF DRILLER: Ken Durham
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 15'
10. SIZE AND TYPE OF BIT: 6.25" I.D. HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 4 | UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 8.1' BGS
16. DATE HOLE: STARTED 4-23-96 | COMPLETED 4-23-96
17. ELEVATION TOP OF HOLE: 34.9'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: G. Rowell

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete (1.25')		CORE	Blows / OVA PZ 15 Sample
	2		SAND, SW, fine, well sorted, Dk reddish brown, 5YR 3/2, Dry, round	100%	1	4-12-14-12 (1545) 0/0 LEL = 0%
	4		As Above to 4.3' SAND, SW, fine, well sorted, brown 7.5YR 4/4, moist, round	100%	2	4-11-11-11 (1550) 0/.4 LEL = 0%
	6		As Above	100%	3	4-5-5-5 (1555) 0/0 LEL = 0%
	8		As Above		AUGER	▽ Initial 5-7-96
			SAND, SW, fine, well sorted, lt. yellowish brown, 10YR 6/4, wet, round. Clay, cl, at 9.7': firm, gray 10YR 6/1	79%	4	6-9-10-9 (1600) 0/1.2 LEL = 0%
	10		As Above ? — ? — ?			NW Rod broke on 140# hammer. 13-15' sample not collected via SPT.
	12		SAND same as above. (SW)		AUGER	
	14					
	16		EOB @ 15'			OVA Readings in ppm

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB25

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB25
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 7.9' BGS
16. DATE HOLE: STARTED 4/24/96; COMPLETED 4/24/96
17. ELEVATION TOP OF HOLE: 35.3'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
						BLOWS / OVA ppm
			Concrete 16" (1.4')	—	—	
	2		SAND: fine-med, Lt.Gy 10YR 7/2, well sorted, silty 5-10%, dry, firm (SW)	21 / 88	1	14-13-13-12 — Scan = 0.5, HS = 0, BZ = 0
	4		: as above, - 7/1, v.clean/tr silt, loose, tr. glauconite. (SW)	83	2	5-8-9-8 lab — Scan - 0, HS: 0, BZ = 0
	6		: as above, grading to Br. 10YR 4/3 tr. mica, tr. glauconite, v.loose-loose. damp. (SW)	83	3	4-5-5-5 — Scan - 0, HS - 0, BZ - 0
	8		Cuttings as above	—	—	Auger; 1" well after install
			: as above, to DK Gy Br 10YR 4/2 wet, silty (10-15%) loose-v.firm. (SM/SW)	83	4	5-12-25-26 ▽ lab, initial wet sample — Scan - 6, HS - 10, BZ - 0
	10					
	12		Cuttings as above	—	—	Auger
	14		: Dk yell Br 10YR 4/6, wet, loose-firm well sorted, silty 10-25%, clayey areas w/ tr mica, & glauconite. (SM)	100	5	5-8-11-17 Geotech @ Clayey zone — Scan - 0.5, HS - NA, BZ - 0
			E.O.B - 15.0'			
	16					
	18					
	20					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ... PROJECT ... HOLE NO.

Hole No. H833-WB26

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT	DAG
2. LOCATION (Coordinates or Station)	SAV GA
3. DRILLING AGENCY	PSI
4. HOLE NO. (As shown on drawing title and file number)	H833-WB26
5. NAME OF DRILLER	M. Gribble
6. DIRECTION OF HOLE	☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	15.0'
8. DEPTH DRILLED INTO ROCK	0
9. TOTAL DEPTH OF HOLE	15.0'
10. SIZE AND TYPE OF BIT	6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5 / UNDISTURBED —
14. TOTAL NUMBER CORE BOXES	—
15. ELEVATION GROUND WATER	8.6' BGS
16. DATE HOLE	STARTED 4/24/96 COMPLETED 4/24/96
17. ELEVATION TOP OF HOLE	36.4'
18. TOTAL CORE RECOVERY FOR BORING	— %
19. SIGNATURE OF INSPECTOR	D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 16" (1.3')	—	—	BLOWS / OVA, ppm
	2		SAND: fine-med, Yell-Br 10YR 6/6, dry, loose-firm, well sorted, silty 10%, tr. glauconite (SW)	92	1	7-16-19-16 — Scan-0 HS-0 BZ-0
	4		as above to white -8/1. tr. silt. (SW)	92	2	5-9-10-13 Geotech — Scan-0 HS-0 BZ-0
	6		as above, clean sand v. loose-loose. moist at bottom (SW)	92	3	4-8-8-10 lab — Scan-6 HS-110 BZ-0
	8		as above	—	—	Auger
			fine-med; Dk Yel Br 10YR 4/4, wet, tr. glauconite + mica, silty 5-10%, loose-firm. (SW/SM)	79	4	5-10-12-12 ▽ initial ▽ wet sample lab — Scan-0 HS-0 BZ-0
	10		Cuttings as above	—	—	Auger — W.L. in well after install.
	12					
	14		as above, massive. (SW)	100	5	15-18-26-27 — Scan-0 HS-NA BZ-0
			E.O.B. @ 15.0'			
	16					
	18					
	20					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ... PROJECT ... HOLE NO.

Hole No. H833-WB 27

DRILLING LOG	DIVISION SAV.	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB 27
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 7.8' BGS
16. DATE HOLE: STARTED 4/24/96; COMPLETED 4/24/96
17. ELEVATION TOP OF HOLE: 35.0'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 15" (1.3')	—	—	BLOWS / OVA ppm
	2		SAND-fine-med; Br 10YR5/3, well sorted, silty 5%, dry, loose-firm. (SW)	92	1	8-12-10-10 / Scan-0 HS-0 BZ-0
	4		: as above, v. dusky red 10R 2.5/2 v. loose-loose-silt-5-10%, tr. glauconite (SW/SM)	88	2	3-4-5-8 Lab / Scan-0 HS-0 BZ-0
	6		: as above, grading to br 10YR5/3 at bottom. silty 5% — moist (SW)	88	3	5-5-8-12 / Scan-0 HS-0 BZ-0
	8		As Above	—	—	Auger ▽ initial wet cuttings / 5-8-96
	10		: as above, loose-firm wet (SW)	79	4	5-12-15-17 Lab / Scan-0 HS-2 BZ-0
	12		Cuttings as above	—	—	Auger
	14		: as above, grading to lt. yell Br 2.5Y 6/3. 2' clay layer Brown, dry. (SW) E.O.B. @ 15.0'	67	5	5-5-10-13 geotech / Scan-0 HS-NA BZ-0
	16					W.L @ 8.0 bgs at well install
	18					
	20					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

ENG FORM ... PROJECT ... HOLE NO.

Hole No. H833-WB28

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS
1. PROJECT DAG		10. SIZE AND TYPE OF BIT 6¼" ID HSA	
2. LOCATION (Coordinates or Station) SAV GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-WB 28		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 7	UNDISTURBED —
5. NAME OF DRILLER M. Grible		14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 10.0' BGS	
7. THICKNESS OF OVERBURDEN 25.0'		16. DATE HOLE: STARTED 4/25/96	COMPLETED 4-25-96
8. DEPTH DRILLED INTO ROCK 0		17. ELEVATION TOP OF HOLE 35.3'	
9. TOTAL DEPTH OF HOLE 25.0'		18. TOTAL CORE RECOVERY FOR BORING — %	
		19. SIGNATURE OF INSPECTOR D. Humphries	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Grass			BLOWS / OVA ppm
	2		SAND: fine-med; 10YR 6/3 Pale Br, tr. glauconite, silty 5-10% well sorted v. loose. dry (SW)	88	1	4-4-4-4 / Scan-0 HS-0 BZ-0
	4		: as above, tr. roots v. loose-loose, (SW)	66	2	2-2-3-5 / Scan-0 HS-0 BZ-0
	6		: as above: 10YR 7/2 Lt Gy. well sorted, v. loose-loose. dry (SW)	75	3	3-4-5-7 lab / Scan-0 HS-0 BZ-0
	8		as above	—	—	Auger
	10		CLAY: mottling of red, gray, br, soft-firm dry, low plastic, sand 10% (CL)	83	4	3-6-5-8 / Scan-0 HS-0.2 BZ-0 ▼ 5-8-96
	12		as above	—	—	Auger ▼ in well at installation
	14		as above (CL) SAND: fine-med; Lt Gy 5Y 7/2, well sorted, wet, silty 5% (SW)	63	5	3-2-2-2 ▼ initial wet sample lab / Scan-0 HS-0.2 BZ-0
	16		Cuttings as above, mixture sand+clay	—	—	Auger
	18		CLAY: Sandy 45%, V.dk Gy 5YR3/1, moist soft. (CL)	79	6	3-2-3-2 / Scan-0 HS-NA BZ-0
	20		SAND: clayey 25% fine-med-wet (SC)			Geotech
	22		Cuttings - mix of clay and sand	—	—	Auger
	24		SAND: fine-med; mottling Pale Br & V.dk Gy. tr. glauconite, tr. mica, wet, v-loose. silty/clayey - 25%, (SC/SM) tr clay laminae E.O.B @ 25.6	92	7	2-0-0-0 / Scan-0 BZ-0
	26					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB29

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV. 6A
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB29
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 8.2' BGS
16. DATE HOLE: STARTED 4/29/96; COMPLETED 4/29/96
17. ELEVATION TOP OF HOLE: 36.7'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 15" (1.3')	—	—	Blows / 3" spoon; OVA, ppm
	2		Sand: fine-med, 10YR 3/2 v.dk gy Br, well sorted, silty 20%, dry, loose or firm. (SM)	100	1	9-21-27-26 (1ab) 1510 — Scan- 0, HS- 0, BZ- 0
	4		: Gy Br-5YR, to Pale Br - 6/3, silty 5-30% at bottom, loose-firm, tr. glauconite moist at bottom (SM)	75	2	10-19-17-18 1515 — Scan- 0, HS- 0, BZ- 0
	6		Br to Pale Br - 6/3; silty 5-10%, well sorted, loose-firm, moist. tr. glauconite (SW/SM)	79	3	9-10-16-19 1521 — Scan- 0, HS- 0, BZ- 0
	8		Cuttings as above	—	Auger	
			Pale Br as above, silt 5%, loose-v.firm. as above, wet, tr. mica. (SW)	71	4	9-16-20-26 (IV) 1527 (IV) 1 lab geotech; IV initial wet sample; W.L @ 8.5' bgs in well @ installation — Scan- 10, HS- 100, BZ- 0
	10					
	12		Cuttings as above	—	Auger	
	14		as above, massive, tr clay micro laminae	100	5	9-15-16-20 — Scan- 1, HS- NA, BZ- 0
			E-O-B. @ 15.0'			
	16					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB30

DRILLING LOG | DIVISION: SAV. | INSTALLATION: HAAF | SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB30
5. NAME OF DRILLER: M. Grillo
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 14.0'
8. DEPTH DRILLED INTO ROCK: 0
9. TOTAL DEPTH OF HOLE: 14.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 8.4' BGS
16. DATE HOLE: STARTED 4/29/96; COMPLETED 4/29/96
17. ELEVATION TOP OF HOLE: 36.9'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphries

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 16" (1.3')	—	—	BCOUNTS 3" spoon for volume. OVA, ppm
	2		Sand - fine-med, well sorted, Pale Br 10YR 6/3 to v. dk gy Br - 3/2, dry, v. firm - dense, silty 10-25% (SM)	100	1	26-30-43-30 1626. Scan-0 HS-0 BZ-0
	4		: Black (no Munsell) - silty 25%, dry (SM) moist. to Br. 10YR 5/3, well sorted, silty 5-10%, loose-firm, dry. (SW)	100	2	10-10-14-18 1632. Scan-0.5 HS-0 BZ-0
	6		as above. ← Black 10YR 2/1, wet, loose-firm, silty 20% (SM)	75	3	7-11-11-12 1637 Initial wet sample. 1ab. Scan-8 HS-25 BZ-0
	8		as above	—	Auger	
	10		: Yell Br 10YR 5/6, well sorted, wet, silty 5-10%, v. loose-firm. (SW)	88	4	4-4-7-12 1647. 1ab. ▽ ? W.L. @ well install. Scan-40 HS-160 BZ-0
	12		Cuttings as above	—	Auger	
	14		as above	100	5	2" spoon 8-16-31-30 bedrock. Scan-3 HS-NA BZ-0
	16		E.O.B. @ 14.0' auger 15.0' split spoon			
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB31

DRILLING LOG	DIVISION: SAV	INSTALLATION: AAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB31
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 16.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 16.0'
10. SIZE AND TYPE OF BIT: 6¼" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED — UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 7.6' BGS
16. DATE HOLE: STARTED 4/29/96 COMPLETED 4/29/96
17. ELEVATION TOP OF HOLE: 37.0'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 18" (1.5')	—	—	Blows / Use 3" spoon for sample volume; OVA, ppm
	2		SAND: fine-med; black - no munsell; moist inventory, dry elsewhere, silty 30%, well sorted, firm-v. firm. (SM)	88	1	16-21-17-24 10:00 — Scan - 90, HS - 60, BZ - 0
	4		v. dk Br 10YR 2/2, moist, fr. organics, well sorted, firm-dense. (SM)	88	2	14-16-16-32 10:05 — Scan - 20, HS - 90, BZ - 0
	6		± Br. 10YR 4/3 to black, silty 5% - 30%, v-firm-v dense, well sorted, N, organics, moist (SW/SM) - Black	80	3	18-28-38-50/4 10:15 — Scan - 200, HS - 50, BZ - 0
			as above	—	Auger	▼ 5-10-96
	8		: Black to dusky Red 2.5YR3/2, well sorted, damp-wet, silty 5-20%, fr. Fe cementing (SW/SM)	46	4	50/6 + 105/5.5 — Scan - 100, HS - 100, BZ - 0
	10					103 — # initial wet sample; W.L in well at install 8.9 bgs
	12		Cuttings as above	—	Auger	2" spoon
	14		v. dk yell Br. 10YR 4/6, well sorted, fr glauconite, silty 5-10%. wet, firm-v. dense. (SW)	80	5	19-26-38-48 [geotech @ 8-10'] — Scan - 0, HS - NA, BZ - 0
	16		Cuttings as above	↕ —	Auger	
			E.O.B. @ 16.0'			

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-WB32

DRILLING LOG	DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS

1. PROJECT: DAG
2. LOCATION (Coordinates or Station): SAV GA
3. DRILLING AGENCY: PSI
4. HOLE NO. (As shown on drawing title and file number): H833-WB32
5. NAME OF DRILLER: M. Gribble
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: Ø
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 6 1/4" ID HSA
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSC
12. MANUFACTURER'S DESIGNATION OF DRILL: Diedrich D120
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5; UNDISTURBED —
14. TOTAL NUMBER CORE BOXES: —
15. ELEVATION GROUND WATER: 6.9' BGS
16. DATE HOLE: STARTED 4/29/96; COMPLETED 4/29/96
17. ELEVATION TOP OF HOLE: 36.6'
18. TOTAL CORE RECOVERY FOR BORING: — %
19. SIGNATURE OF INSPECTOR: D. Humphus

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 17" (1.4')	—	—	BLOWS/3" spoon for volume; OVA, ppm
	2		Sand: fine-med, black to dk red br 5YR 2.5/2, silty 10-30%, firm-v. firm, moist, tr. organics, well sorted (SM)	100	1	21-14-13-18 HC odor 1345 — Scan-100, HS-140, BZ-0
	4		: dk red br, as above. v. loose-v. firm. (SM)	71	2	3-22-25-28 1351 — Scan-80, HS-100, BZ-0
	6		: as above to black (no munsell) dry, firm-v. dense.	50	3	15-50/6 1400 ▼5.9' 4/30 lab ▽ W.L. 7.1' bgs in well @ installation — Scan-500, HS-400, BZ-0
	8		Cuttings as above	—	Auger	
	10		: black, Fe cemented top 4", - DkBr 7.5YR 3/3, wet, tr. mica silt 10%, v. dense (SW/SM)	50	4	45-90/6 1415 lab ▽ initial wet sample — Scan-100, HS-400, BZ-0
	12		Cuttings as above - mixture	—	Auger	
	14		Lt. Olive Br 2.5Y 5/4, well sorted silty 5-10%, v. loose-v. firm, wet tr. mica, glauconite. (SW)	23	5	2" spoon 4-16-16-28 geotech — Scan-NA, HS-NA, BZ-0 (windy)
	16		E.O.B. @ 15.0'			
	18					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

APPENDIX E

ANALYTICAL DATA

SOIL ANALYTICAL DATA

DATA QUALITY SUMMARY REPORT

Hunter Army Airfield
May 22, 1996

1.0 INTRODUCTION

Metcalf & Eddy , Inc. was contracted by the United States Army Corps of Engineers, Savannah District, to perform a site investigation at the former Hunter Army Airfield. The purpose of this investigation is to determine the extent of contamination present in the soil at this site.

Metcalf & Eddy, Inc. contracted with Savannah Laboratories to perform the required analyses of soil samples. The analytical data received was validated according to USEPA National Functional Guidelines for Organics Data Review and Inorganics Analysis. The following sections of this Data Quality Summary Report discuss the laboratory reporting, data validation, problems encountered and corrective actions as applied to the samples and data collected during this determination.

1.1 Field Samples and Analysis

The following report summarizes the validation findings of the samples included in the Sample Data Groups listed below.

SDG	*Date*	*Matrix*	*Samples*	*Field Duplicates*	*Trip Blanks*	*Equpiment Blanks*
HAA19	02/27/96	SOIL	18	1	0	0
HAA20	02/28/96	SOIL	21	2	0	0
HAA21	02/29/96	SOIL	30	3	0	0
HAA22	03/04/96	SOIL	33	5	0	0
HAA23	03/05/96	SOIL	26	2	0	0

Samples were analyzed by Savannah Laboratories - Tallahassee, Florida using the following USEPA SW-846 Methods:

8015M	Gasoline Range Organics - (GRO)
8020	Volatile Aromatics
8100	Polynuclear Aromatic Hydrocarbons
8100M	Diesel Range Organics - (DRO)

One hundred twenty-eight soil samples, thirteen field duplicates and six MS/MSDs were analyzed by all the above methods. All soil sample results were reported on a dry weight basis.

All data was reviewed and validated under Modified USEPA National Functional Guidelines for Organic Review.

2.0 LABORATORY REPORTING

2.1 Laboratory Blanks

Laboratory blanks or method blanks are artificial samples prepared from the same matrix type as the samples to be analyzed. These blanks are taken through sample preparation and analyzed before the field samples to determine if the glassware, sample preparation or laboratory environment has contaminated the field samples.

All laboratory blanks for all methods of analysis of soils were free of contaminants.

2.2 Laboratory Control Samples (% Recovery)

Laboratory control samples are artificial samples prepared from the same matrix type as the samples to be analyzed. These samples are processed through sample preparation and analyzed to assess the performance of each analytical system that the laboratory using to analyze the field samples.

All laboratory control samples for all methods of analysis of soils were within required control limits.

2.3 Precision (% RPD)

Laboratory precision is evaluated by calculating the relative percent difference (RPD) between the values reported for a matrix spiked sample (MS) and its duplicate, the matrix spiked duplicate (MSD), or any other set of duplicate parameters. The following equation is utilized for this calculation:

$$\text{RPD} = \frac{|Vs - Vd|}{[Vs + Vd] / 2} \times 100$$

Where *Vs* is the value reported for the matrix spiked sample (MS) and *Vd* is the value reported for it's duplicate (MSD). Sample RPDs are compared to the analyzing laboratory's precision control limits which are primarily derived from their in-house quality control data.

RPDs for all methods of analysis for all spiked samples were within required control limits with the exception of one sample analyzed for polynuclear aromatic hydrocarbons, one sample analyzed for gasoline range organics (GRO) and one sample analyzed for diesel range organics (DRO).

RPDs of field duplicates for all methods of analysis of soils were within the required control limits with the exception of three samples analyzed for volatile aromatics, one sample analyzed for polynuclear aromatic hydrocarbons, two samples analyzed for gasoline range organics (GRO) and one sample analyzed for diesel range organics (DRO).

2.4 Surrogate Recovery

Surrogates are compounds similar to analytes of interest but are not normally found in environmental samples. Prior to sample preparation and analysis, surrogates are spiked into laboratory control samples, calibration and check standards, matrix spiked samples and field samples. Accuracy is measured by calculating percent recoveries for each surrogate as follows:

$$\%R = \frac{\text{Concentration of spike found}}{\text{Concentration of spike added}} \times 100$$

Slightly low surrogate recoveries were exhibited for 12% of the volatile analyses and for 2% of the semivolatile analyses.

2.5 Holding Time

Holding time is the storage time allowed between sample collection and sample analysis when the designated preservation and storage techniques are employed.

All samples were within required holding times for all methods of analysis with the exception of seven volatile samples from, (H833-SB03, H833-SB05, H833-SB37 and H833-SB49), which were less than 12 hours out of holding time. Six of these soil samples were non-detect. Professional judgment precludes the qualification of these non-aqueous samples due to marginal exceedance of holding time.

2.6 Temperature

Cooler receipts indicate that the laboratory received all samples at the correct temperature.

3.0 DATA VALIDATION

The objective when evaluating the quality of chemical data is to determine its useability. The evaluation is based upon the interpretation of the laboratory QC data, the field QC data, and the project Data Quality Objectives (DQOs). The evaluation process is often termed "data validation".

3.1 Laboratory Data Validation

Laboratory data were evaluated to assess , holding times, laboratory blanks, laboratory control samples, surrogate recoveries, and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). These criteria were used to evaluate the bias and precision of the data generated by the laboratory. The bias of the laboratory data was assessed through consideration of the following:

- Adherence to the prescribed method
- Recovery of MS/MSD from field samples
- Method blank contamination
- Adherence to sample preparation and holding times
- Recovery of surrogate spikes
- Field duplicate precision

3.2 Definition of Data Qualifiers

During the data validation process, all laboratory data had to be evaluated and assigned a data qualifier, as applicable. These qualifiers are defined in the 1991 EPA document titled, "National Functional Guidelines for Organic Data Review." The guidance also describes procedures to be followed when qualifying data. The data qualifiers are defined as follows:

When the compound was analyzed for, but was not detected above the level of the associated value, a "U" was used to flag the compounds. A flag of "J" is usually used when the associated value is an estimated quantity. Data flagged with "R" are unusable. In some cases the flag "UJ" may be used to mean that the compound was analyzed for, but was not detected, and the associated value is an estimate and may be inaccurate or imprecise. Data qualifier flags were not assigned to data that were totally in compliance with Quality Control requirements.

For organic data, specifically VOCs, the positive and undetected (U) results were qualified as estimated (J/UJ) if one surrogate compound was detected outside acceptable recovery limits and/or the recovery was greater than 10 percent. If the recoveries of one surrogate compound were less than 10 percent, then the positive results were qualified as estimated (J) and the undetected results were rejected (R).

Results of SVOC are validated in the same manner as VOC except that qualifiers are applied to results with two or more surrogate compounds detected outside the acceptable recovery limits for each fraction (acid and base neutral extractable compounds).

3.3 Qualified Results

Volatile Aromatics - One matrix spiked soil sample exhibited matrix spike recovery above control limits for Benzene. All associated detects were qualified as estimated (J). All slightly low surrogate recoveries for volatile aromatics were qualified as estimated (J) for detects, and (UJ) for non-detects.

Polynuclear Aromatic Hydrocarbons - One matrix spiked soil sample exhibited matrix spike recovery above control limits for Benzo(a)pyrene and Pyrene. All associated detects were qualified as estimated (J). All low surrogate recoveries were qualified as estimated (J) for detects, and (UJ) for non-detects. All zero surrogate recoveries that were lost due to required dilutions were qualified as estimated (J) for detects, and (R) for non-detects.

Gasoline Range Organics - (GRO) - All slightly low surrogate recoveries for GRO were qualified as estimated (J) for detects, and (UJ) for non-detects.

Diesel Range Organics - (DRO) - One matrix spiked soil sample exhibited matrix spike recovery below control limits for DRO. All associated detects were qualified as estimated (J), non-detects as (UJ). All zero surrogate recoveries that were lost due to required dilutions were qualified as estimated (J) for detects, and (R) for non-detects.

4.0 PROBLEMS ENCOUNTERED

The problems encountered during sample analysis for this investigation are described in detail below. Analytical data that did not meet the QC requirements were qualified as stated in **Section 3.3**.

4.1 Holding Times

Seven volatile soil samples from, (H833-SB03, H833-SB05, H833-SB37 and H833-SB49), marginally exceeded holding time due to required dilution and reanalysis. These results did not require qualification and have no effect on any conclusions related to this data.

4.2 Surrogate Recovery

Volatile Aromatics - Two samples exhibited 0% surrogate recovery for Trifluorotoluene because the sample required dilution prior to analysis.

Polynuclear Aromatic Hydrocarbons - Three samples exhibited 0% surrogate recovery for 2-Fluorobiphenyl because the sample required dilution prior to analysis.

Gasoline Range Organics - (GRO) - Twenty-four samples exhibited slightly low surrogate recoveries. Two samples exhibited 0% surrogate recovery for Trifluorotoluene because the sample required dilution prior to analysis.

Diesel Range Organics - (DRO) - One sample exhibited 0% surrogate recovery for o-Terphenyl because the sample required dilution prior to analysis.

4.3 Precision (% RPD)

Polynuclear Aromatic Hydrocarbons - One matrix spiked soil sample exhibited matrix spike precision above control limits for Pyrene.

Diesel Range Organics - (DRO) - One matrix spiked soil sample exhibited matrix spike precision above control limits for DRO.

4.4 Field Duplicates

In addition to the matrix spike sample, field duplicates were collected to assess sampling precision. Seven duplicate samples were collected at a frequency of approximately 10%, one for every ten field samples (rounded up), per matrix, per site, per sampling event. Field duplicates were within quality control RPD limits for 99% of the parameters analyzed. Sample duplicate precision is indicative that these data are comparable and representative of field conditions.

4.5 Equipment Rinsates

Equipment rinsates were not sampled during this investigation.

4.6 Laboratory Blanks

All laboratory blanks were analyzed and found to be free of contaminants.

4.7 Laboratory Control Standards

All laboratory control standards were within required control limits.

5.0 SUMMARY OF DATA QUALITY

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of >95% completeness. The results of the data validation indicate the quality of the data is within QC limits and is acceptable to verify or deny any contamination present in the soil at this site.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB01	H833SB01	H833SB02	H833SB02	H833SB02	H833SB02
		SAMPLE ID	H833-SB0101	H833-SB0102	H833-SB0201	H833-SB0202	H833-SB0203	H833-SB0204
		DATE	03/05/96	03/05/96	02/27/96	02/27/96	02/27/96	02/27/96
		DEPTH (ft)	3.30	9.30	3.50	10.00	15.00	20.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.3	<5.3	<5.3	<5.5	<6.4	<6.7
Ethylbenzene	(ug/kg)		<5.3	<5.3	<5.3	<5.5	<6.4	<6.7
Toluene	(ug/kg)		<5.3	<5.3	<5.3	<5.5	<6.4	<6.7
Xylene (total)	(ug/kg)		<5.3	<5.3	<5.3	<5.5	<6.4	<6.7
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<350	<350	<350	<360	<420	<440
Acenaphthylene	(ug/kg)		<350	<350	<350	<360	<420	<440
Benzo(a)pyrene	(ug/kg)		<350	<350	<350	820 J	<420	<440
Benzo(b,k)fluoranthene	(ug/kg)		<350	<350	<350	2100	<420	<440
Benzo(ghi)perylene	(ug/kg)		<350	<350	<350	910	<420	<440
Chrysene + Benzo(a)anthracene	(ug/kg)		<350	<350	<350	2400	<420	<440
Fluoranthene	(ug/kg)		<350	<350	<350	2100	<420	<440
Fluorene	(ug/kg)		<350	<350	<350	<360	<420	<440
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<350	<350	<350	920	<420	<440
Naphthalene	(ug/kg)		<350	<350	<350	<360	<420	<440
Phenanthrene + Anthracene	(ug/kg)		<350	<350	<350	1300	<420	<440
Pyrene	(ug/kg)		<350	<350	<350	1900 J	<420	<440
1-Methylnaphthalene	(ug/kg)		<350	<350	<350	<360	<420	<440
2-Methylnaphthalene	(ug/kg)		<350	<350	<350	<360	<420	<440
			---	---	---	---	---	---
GRO	(mg/kg)		<0.26	<0.26	<0.26 J	<0.27 J	<0.32	<0.33
DRO	(mg/kg)		<11	<10	16 J	25 J	<13 J	<13 J

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB03	H833SB03	H833SB04	H833SB04	H833SB05	H833SB05
		SAMPLE ID	H833-SB0301	H833-SB0302	H833-SB0401	H833-SB0402	H833-SB0501	H833-SB0503
		DATE	03/05/96	03/05/96	02/27/96	02/27/96	03/05/96	03/05/96
		DEPTH (ft)	3.30	9.30	3.50	10.00	3.30	3.30
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Duplicate
Benzene	(ug/kg)		1500	<470	<5.7	<5.4	<5.4	<5.4
Ethylbenzene	(ug/kg)		1000	6000 J	<5.7	<5.4	<5.4	<5.4
Toluene	(ug/kg)		2200	11000 J	7.1	<5.4	<5.4	<5.4
Xylene (total)	(ug/kg)		3200	13000 J	8.8	<5.4	<5.4	<5.4
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
Acenaphthylene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
Benzo(a)pyrene	(ug/kg)		4200 J	<390	<380	<360	<350	<360
Benzo(b,k)fluoranthene	(ug/kg)		4900 J	<390	<380	<360	<350	<360
Benzo(ghi)perylene	(ug/kg)		4300 J	<390	<380	540	<350	<360
Chrysene + Benzo(a)anthracene	(ug/kg)		8600 J	<390	<380	<360	<350	<360
Fluoranthene	(ug/kg)		4000 J	<390	<380	<360	<350	<360
Fluorene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		2700 J	<390	<380	<360	<350	<360
Naphthalene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
Phenanthrene + Anthracene	(ug/kg)		2700 J	<390	<380	<360	<350	<360
Pyrene	(ug/kg)		7400 J	<390	<380	<360	<350	<360
1-Methylnaphthalene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
2-Methylnaphthalene	(ug/kg)		<1700 R	<390	<380	<360	<350	<360
			---	---	---	---	---	---
GRO	(mg/kg)		51 J	600	<0.29	<0.27 J	<0.27 J	<0.27
DRO	(mg/kg)		84	46	16 J	<11 J	40	51

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB05	H833SB06	H833SB06	H833SB06	H833SB06	H833SB07
		SAMPLE ID	H833-SB0502RE	H833-SB0601	H833-SB0602	H833-SB0603	H833-SB0604	H833-SB0701
		DATE	03/05/96	02/27/96	02/27/96	02/27/96	02/27/96	02/28/96
		DEPTH (ft)	9.30	3.50	10.00	15.00	20.00	3.30
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.5	<5.3	9300	<6.3	<6.5	<5.3
Ethylbenzene	(ug/kg)		<5.5	<5.3	4200	<6.3	<6.5	<5.3
Toluene	(ug/kg)		<5.5	<5.3	<400	<6.3	<6.5	<5.3
Xylene (total)	(ug/kg)		<5.5	<5.3	2100	<6.3	<6.5	<5.3
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<360	<350	<380	<420	<430	<350
Acenaphthylene	(ug/kg)		<360	<350	<380	<420	<430	<350
Benzo(a)pyrene	(ug/kg)		<360	<350	<380	<420	<430	<350
Benzo(b,k)fluoranthene	(ug/kg)		<360	<350	<380	<420	<430	<350
Benzo(ghi)perylene	(ug/kg)		<360	<350	<380	<420	<430	<350
Chrysene + Benzo(a)anthracene	(ug/kg)		<360	<350	<380	<420	<430	<350
Fluoranthene	(ug/kg)		<360	<350	<380	<420	<430	<350
Fluorene	(ug/kg)		<360	<350	<380	<420	<430	<350
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<360	<350	<380	<420	<430	<350
Naphthalene	(ug/kg)		<360	<350	<380	<420	<430	<350
Phenanthrene + Anthracene	(ug/kg)		<360	<350	<350	<350	<430	<350
Pyrene	(ug/kg)		<360	<350	<380	<420	<430	<350
1-Methylnaphthalene	(ug/kg)		<360	<350	<380	<420	<430	<350
2-Methylnaphthalene	(ug/kg)		<360	<350	<380	<420	<430	<350
			---	---	---	---	---	---
GRO	(mg/kg)		<0.27	<0.26	180	<0.32	<0.32	<0.26
DRO	(mg/kg)		14	<10 J	22 J	<13 J	<13 J	<11

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB07	H833SB08	H833SB08	H833SB09	H833SB09	H833SB10
		SAMPLE ID	H833-SB0702	H833-SB0801	H833-SB0802	H833-SB0901	H833-SB0902	H833-SB1001
		DATE	02/28/96	03/05/96	03/05/96	02/29/96	03/04/96	02/28/96
		DEPTH (ft)	9.30	3.30	9.30	3.50	7.00	3.50
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		9000	<5.4	<5.3	<5.6	<5.3	<5.4
Ethylbenzene	(ug/kg)		3600	<5.4	<5.3	<5.6	<5.3	<5.4
Toluene	(ug/kg)		<490	<5.4	<5.3	<5.6	<5.3	<5.4
Xylene (total)	(ug/kg)		2600	<5.4	<5.3	<5.6	<5.3	<5.4
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<400	<360	<350	<370	<350	<350
Acenaphthylene	(ug/kg)		<400	<360	<350	<370	<350	<350
Benzo(a)pyrene	(ug/kg)		<400	<360	<350	<370	<350	<350
Benzo(b,k)fluoranthene	(ug/kg)		<400	<360	<350	<370	<350	<350
Benzo(ghi)perylene	(ug/kg)		<400	<360	<350	<370	<350	<350
Chrysene + Benzo(a)anthracene	(ug/kg)		<400	<360	<350	<370	<350	<350
Fluoranthene	(ug/kg)		<400	<360	<350	<370	<350	<350
Fluorene	(ug/kg)		<400	<360	<350	<370	<350	<350
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<400	<360	<350	<370	<350	<350
Naphthalene	(ug/kg)		<400	<360	<350	<370	<350	<350
Phenanthrene + Anthracene	(ug/kg)		<400	<360	<350	<370	<350	<350
Pyrene	(ug/kg)		<400	<360	<350	<370	<350	<350
1-Methylnaphthalene	(ug/kg)		<400	<360	<350	<370	<350	<350
2-Methylnaphthalene	(ug/kg)		<400	<360	<350	<370	<350	<350
			---	---	---	---	---	---
GRO	(mg/kg)		170	<0.27 J	<0.26 J	<0.28	<0.26 J	<0.27
DRO	(mg/kg)		32	<11	<11	<11	<10	<11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB10	H833SB10	H833SB10	H833SB10	H833SB11	H833SB11
		SAMPLE ID	H833-SB1002	H833-SB1003	H833-SB1004	H833-SB1005	H833-SB1101	H833-SB1102
		DATE	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96
		DEPTH (ft)	10.00	15.00	20.00	20.00	3.30	7.30
		RESULT TYPE	Primary	Primary	Primary	Duplicate	Primary	Primary
Benzene	(ug/kg)		260000 J	190	220	140	<5.4	<5.7
Ethylbenzene	(ug/kg)		76000 J	29	46	11	<5.4	<5.7
Toluene	(ug/kg)		140000 J	19	34	<6.2	<5.4	<5.7
Xylene (total)	(ug/kg)		200000 J	52	200	43	<5.4	<5.7
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<390	<410	<420	<410	<350	<380
Acenaphthylene	(ug/kg)		<390	<410	<420	<410	<350	<380
Benzo(a)pyrene	(ug/kg)		<390	<410	<420	<410	<350	<380
Benzo(b,k)fluoranthene	(ug/kg)		<390	<410	<420	<410	380	<380
Benzo(ghi)perylene	(ug/kg)		<390	<410	<420	<410	<350	<380
Chrysene + Benzo(a)anthracene	(ug/kg)		<390	<410	<420	<410	390	<380
Fluoranthene	(ug/kg)		<390	<410	<420	<410	<350	<380
Fluorene	(ug/kg)		<390	<410	<420	<410	<350	<380
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<390	<410	<420	<410	<350	<380
Naphthalene	(ug/kg)		680	<410	<420	<410	<350	<380
Phenanthrene + Anthracene	(ug/kg)		<390	<410	<420	<410	<350	<380
Pyrene	(ug/kg)		<390	<410	<420	<410	<350	<380
1-Methylnaphthalene	(ug/kg)		<390	<410	<420	<410	<350	<380
2-Methylnaphthalene	(ug/kg)		600	<410	<420	<410	<350	<380
			---	---	---	---	---	---
GRO	(mg/kg)		3600 J	1.1	2.5 J	0.94	<0.27	<0.29 J
DRO	(mg/kg)		470	12	<13	<12	<11	<11

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB12	H833SB12	H833SB13	H833SB13	H833SB14	H833SB14
		SAMPLE ID	H833-SB1201	H833-SB1202	H833-SB1301	H833-SB1302	H833-SB1401	H833-SB1402
		DATE	02/28/96	02/28/96	02/28/96	02/28/96	02/29/96	02/29/96
		DEPTH (ft)	2.00	8.00	3.30	7.30	2.00	8.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.5	<5.7	<5.4	<5.5	<5.3	<6.2
Ethylbenzene	(ug/kg)		<5.5	<5.7	<5.4	<5.5	<5.3	<6.2
Toluene	(ug/kg)		<5.5	<5.7	<5.4	<5.5	<5.3	<6.2
Xylene (total)	(ug/kg)		<5.5	<5.7	<5.4	<5.5	<5.3	<6.2
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<360	<380	<360	<360	<350	<410
Acenaphthylene	(ug/kg)		<360	<380	<360	<360	<350	<410
Benzo(a)pyrene	(ug/kg)		<360	<380	<360	<360	<350	<410
Benzo(b,k)fluoranthene	(ug/kg)		<360	<380	<360	<360	<350	<410
Benzo(ghi)perylene	(ug/kg)		<360	<380	<360	<360	<350	<410
Chrysene + Benzo(a)anthracene	(ug/kg)		<360	3800	<360	<360	<350	<410
Fluoranthene	(ug/kg)		<360	<380	<360	<360	<350	<410
Fluorene	(ug/kg)		<360	<380	<360	<360	<350	<410
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<360	<380	<360	<360	<350	<410
Naphthalene	(ug/kg)		<360	<380	<360	<360	<350	<410
Phenanthrene + Anthracene	(ug/kg)		<360	<380	<360	<360	<350	<410
Pyrene	(ug/kg)		<360	<380	<360	<360	<350	<410
1-Methylnaphthalene	(ug/kg)		<360	<380	<360	<360	<350	<410
2-Methylnaphthalene	(ug/kg)		<360	<380	<360	<360	<350	<410
			---	---	---	---	---	---
GRO	(mg/kg)		<0.27	<0.29	<0.27	<0.27	<0.26	<0.31
DRO	(mg/kg)		<11	<11	<11	<11	<11	<12

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT	SITE		H833SB15	H833SB15	H833SB15	H833SB16	H833SB16	H833SB17
	SAMPLE ID		H833-SB1501	H833-SB1502	H833-SB1503	H833-SB1601	H833-SB1602	H833-SB1701
	DATE		02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96
	DEPTH (ft)		3.50	10.00	10.00	3.30	7.30	3.50
	RESULT TYPE		Primary	Primary	Duplicate	Primary	Primary	Primary
Benzene		(ug/kg)	<5.3	<6.6	<6.2	<5.2	<5.8	<5.5
Ethylbenzene		(ug/kg)	<5.3	<6.6	<6.2	<5.2	<5.8	<5.5
Toluene		(ug/kg)	<5.3	8.1	13	<5.2	<5.8	<5.5
Xylene (total)		(ug/kg)	<5.3	10	13	<5.2	<5.8	<5.5
			---	---	---	---	---	---
Acenaphthene		(ug/kg)	<350	<430	<410	<340	<380	<1800
Acenaphthylene		(ug/kg)	<350	<430	<410	<340	<380	<1800
Benzo(a)pyrene		(ug/kg)	<350	<430	<410	<340	<380	12000
Benzo(b,k)fluoranthene		(ug/kg)	<350	<430	<410	<340	<380	20000
Benzo(ghi)perylene		(ug/kg)	<350	<430	<410	<340	<380	7700
Chrysene + Benzo(a)anthracene		(ug/kg)	<350	<430	<410	<340	<380	27000
Fluoranthene		(ug/kg)	<350	<430	<410	<340	<380	24000
Fluorene		(ug/kg)	<350	<430	<410	<340	<380	<1800
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr		(ug/kg)	<350	<430	<410	<340	<380	10000
Naphthalene		(ug/kg)	<350	<430	<410	<340	<380	<1800
Phenanthrene + Anthracene		(ug/kg)	<350	<430	<410	<340	<380	16000
Pyrene		(ug/kg)	<350	<430	<410	<340	<380	14000
1-Methylnaphthalene		(ug/kg)	<350	<430	<410	<340	<380	<1800
2-Methylnaphthalene		(ug/kg)	<350	<430	<410	<340	<380	<1800
			---	---	---	---	---	---
GRO		(mg/kg)	<0.26 J	<0.33 J	<0.31	<0.26	<0.29	<0.27 J
DRO		(mg/kg)	<10	<13	<12	<10	<12	300 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER army AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB17	H833SB18	H833SB18	H833SB19	H833SB19	H833SB20
		SAMPLE ID	H833-SB1702	H833-SB1801	H833-SB1802	H833-SB1901	H833-SB1902	H833-SB2001
		DATE	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96
		DEPTH (ft)	10.00	3.30	7.30	3.50	10.00	3.10
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<6.2	<5.4	<5.6	<5.4	<6.2	<5.4
Ethylbenzene	(ug/kg)		<6.2	<5.4	<5.6	<5.4	<6.2	<5.4
Toluene	(ug/kg)		<6.2	<5.4	<5.6	<5.4	<6.2	<5.4
Xylene (total)	(ug/kg)		<6.2	<5.4	<5.6	<5.4	<6.2	<5.4
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<410	<720	<370	<360	<410	<350
Acenaphthylene	(ug/kg)		<410	980	<370	<360	<410	<350
Benzo(a)pyrene	(ug/kg)		<410	6000	<370	<360	<410	<350
Benzo(b,k)fluoranthene	(ug/kg)		<410	9400	<370	<360	<410	<350
Benzo(ghi)perylene	(ug/kg)		<410	4400	<370	<360	<410	<350
Chrysene + Benzo(a)anthracene	(ug/kg)		<410	8200	<370	<360	<410	<350
Fluoranthene	(ug/kg)		<410	4600	<370	<360	<410	<350
Fluorene	(ug/kg)		<410	<720	<370	<360	<410	<350
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<410	4900	<370	<360	<410	<350
Naphthalene	(ug/kg)		<410	<720	<370	<360	<410	<350
Phenanthrene + Anthracene	(ug/kg)		<410	<720	<370	<360	<410	<350
Pyrene	(ug/kg)		<410	4600	<370	<360	<410	<350
1-Methylnaphthalene	(ug/kg)		<410	<720	<370	<360	<410	<350
2-Methylnaphthalene	(ug/kg)		<410	<720	<370	<360	<410	<350
			---	---	---	---	---	---
GRO	(mg/kg)		<0.31	<0.27	<0.28	<0.27	<0.31	<0.27
DRO	(mg/kg)		<12	25	<11	31	<12	<11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB20	H833SB20	H833SB21	H833SB21	H833SB22	H833SB22
		SAMPLE ID	H833-SB2002	H833-SB2003	H833-SB2101	H833-SB2102	H833-SB2201	H833-SB2202
		DATE	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96	02/29/96
		DEPTH (ft)	7.10	7.10	3.50	10.00	3.30	9.30
		RESULT TYPE	Primary	Duplicate	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.5	<5.5	<5.4	<6.2	13000	160000 J
Ethylbenzene	(ug/kg)		<5.5	<5.5	19 J	<6.2	2200	31000 J
Toluene	(ug/kg)		<5.5	<5.5	82 J	<6.2	610	43000 J
Xylene (total)	(ug/kg)		<5.5	<5.5	76 J	<6.2	8200	74000 J
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<360	<360	<350	<410	<360	<390
Acenaphthylene	(ug/kg)		<360	<360	<350	<410	<360	<390
Benzo(a)pyrene	(ug/kg)		<360	<360	<350	<410	<360	<390
Benzo(b,k)fluoranthene	(ug/kg)		<360	<360	<350	<410	<360	<390
Benzo(ghi)perylene	(ug/kg)		<360	<360	580	<410	<360	<390
Chrysene + Benzo(a)anthracene	(ug/kg)		<360	<360	<350	<410	<360	<390
Fluoranthene	(ug/kg)		<360	<360	<350	<410	<360	<390
Fluorene	(ug/kg)		<360	<360	<350	<410	<360	<390
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<360	<360	<350	<410	<360	<390
Naphthalene	(ug/kg)		<360	<360	<350	<410	<360	<390
Phenanthrene + Anthracene	(ug/kg)		<360	<360	<350	<410	<360	<390
Pyrene	(ug/kg)		<360	<360	<350	<410	<360	<390
1-Methylnaphthalene	(ug/kg)		<360	<360	<350	<410	<360	<390
2-Methylnaphthalene	(ug/kg)		<360	<360	<350	<410	<360	<390
			---	---	---	---	---	---
GRO	(mg/kg)		<0.27 J	<0.27	<0.27 J	<0.31	200	1900 J
DRO	(mg/kg)		<11	<11	<11	<12	16	88

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB23	H833SB23	H833SB23	H833SB23	H833SB23	H833SB24
		SAMPLE ID	H833-SB2301	H833-SB2302	H833-SB2303	H833-SB2304	H833-SB2305	H833-SB2401
		DATE	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	02/29/96
		DEPTH (ft)	3.50	10.00	15.00	20.00	20.00	3.30
		RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate	Primary
Benzene	(ug/kg)		340	8500 J	<6.2	91	240	<5.6
Ethylbenzene	(ug/kg)		27	6100 J	<6.2	26	26	<5.6
Toluene	(ug/kg)		<5.6	1100 J	<6.2	<6.3	<6.2	13
Xylene (total)	(ug/kg)		47	12000 J	25	28	34	12
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<360	<410	<420	<410	<370
Acenaphthylene	(ug/kg)		<370	<360	<410	<420	<410	<370
Benzo(a)pyrene	(ug/kg)		<370	<360	<410	<420	<410	<370
Benzo(b,k)fluoranthene	(ug/kg)		<370	<360	<410	<420	<410	<370
Benzo(ghi)perylene	(ug/kg)		840	<360	<410	<420	<410	<370
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<360	<410	<420	<410	<370
Fluoranthene	(ug/kg)		<370	<360	<410	<420	<410	<370
Fluorene	(ug/kg)		<370	<360	<410	<420	<410	<370
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<370	<360	<410	<420	<410	<370
Naphthalene	(ug/kg)		<370	<360	<410	<420	<410	<370
Phenanthrene + Anthracene	(ug/kg)		<370	<360	<410	<420	<410	<370
Pyrene	(ug/kg)		<370	<360	<410	<420	<410	<370
1-Methylnaphthalene	(ug/kg)		<370	<360	<410	<420	<410	<370
2-Methylnaphthalene	(ug/kg)		<370	<360	<410	<420	<410	<370
			---	---	---	---	---	---
GRO	(mg/kg)		<0.28	210 J	<0.31	1.1	1.7	<0.28 J
DRO	(mg/kg)		17	23	<12	<13	<12	<11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB24	H833SB25	H833SB25	H833SB25	H833SB26	H833SB26
		SAMPLE ID	H833-SB2402	H833-SB2501	H833-SB2502	H833-SB2503	H833-SB2601	H833-SB2602
		DATE	02/29/96	02/29/96	02/29/96	02/29/96	03/04/96	03/04/96
		DEPTH (ft)	9.30	3.50	10.00	10.00	3.50	10.00
		RESULT TYPE	Primary	Primary	Primary	Duplicate	Primary	Primary
Benzene	(ug/kg)		<5.7	6.7	<6.2	<6.2	<5.6	<6.0
Ethylbenzene	(ug/kg)		<5.7	<5.4	<6.2	<6.2	9.5	<6.0
Toluene	(ug/kg)		<5.7	<5.4	<6.2	<6.2	<5.6	<6.0
Xylene (total)	(ug/kg)		<5.7	<5.4	<6.2	<6.2	39	<6.0
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<380	<360	<410	<410	<370	<400
Acenaphthylene	(ug/kg)		<380	<360	<410	<410	<370	<400
Benzo(a)pyrene	(ug/kg)		<380	<360	<410	<410	<370	<400
Benzo(b,k)fluoranthene	(ug/kg)		<380	<360	<410	<410	<370	<400
Benzo(ghi)perylene	(ug/kg)		<380	<360	<410	<410	<370	<400
Chrysene + Benzo(a)anthracene	(ug/kg)		<380	<360	<410	<410	<370	<400
Fluoranthene	(ug/kg)		<380	<360	<410	<410	<370	<400
Fluorene	(ug/kg)		<380	<360	<410	<410	<370	<400
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<380	<360	<410	<410	<370	<400
Naphthalene	(ug/kg)		<380	<360	<410	<410	<370	<400
Phenanthrene + Anthracene	(ug/kg)		<380	<360	<410	<410	<370	<400
Pyrene	(ug/kg)		<380	<360	<410	<410	<370	<400
1-Methylnaphthalene	(ug/kg)		<380	<360	<410	<410	<370	<400
2-Methylnaphthalene	(ug/kg)		<380	<360	<410	<410	<370	<400
			---	---	---	---	---	---
GRO	(mg/kg)		<0.29 J	<0.27	<0.31	<0.31	0.71	<0.30
DRO	(mg/kg)		<12	<11	<12	<12	<11	<12

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB27	H833SB27	H833SB28	H833SB28	H833SB29	H833SB29
		SAMPLE ID	H833-SB2701	H833-SB2702	H833-SB2801	H833-SB2802	H833-SB2901	H833-SB2902
		DATE	02/29/96	02/29/96	02/29/96	02/29/96	02/28/96	02/28/96
		DEPTH (ft)	3.50	10.00	3.20	7.20	3.50	10.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.6	<5.9	<5.4	<5.9	<5.7	<5.7
Ethylbenzene	(ug/kg)		<5.6	<5.9	<5.4	<5.9	<5.7	<5.7
Toluene	(ug/kg)		<5.6	<5.9	<5.4	<5.9	<5.7	<5.7
Xylene (total)	(ug/kg)		<5.6	<5.9	<5.4	<5.9	6.7	7.7
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<390	<360	<390	<380	<760
Acenaphthylene	(ug/kg)		<370	<390	<360	<390	<380	1300
Benzo(a)pyrene	(ug/kg)		<370	<390	<360	<390	<380	3800
Benzo(b,k)fluoranthene	(ug/kg)		<370	<390	<360	<390	<380	5100
Benzo(ghi)perylene	(ug/kg)		<370	<390	<360	<390	<380	2900
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<390	<360	<390	<380	6700
Fluoranthene	(ug/kg)		<370	<390	<360	<390	<380	1300
Fluorene	(ug/kg)		<370	<390	<360	<390	<380	<760
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<370	<390	<360	<390	<380	1900
Naphthalene	(ug/kg)		<370	<390	<360	<390	<380	<760
Phenanthrene + Anthracene	(ug/kg)		<370	<390	<360	<390	<380	<760
Pyrene	(ug/kg)		<370	<390	<360	<390	<380	3000
1-Methylnaphthalene	(ug/kg)		<370	<390	<360	<390	<380	<760
2-Methylnaphthalene	(ug/kg)		<370	<390	<360	<390	<380	<760
			---	---	---	---	---	---
GRO	(mg/kg)		<0.28	<0.29	<0.27 J	<0.29	<0.29	<0.29
DRO	(mg/kg)		<11	<12	<11	<12	<11	33

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB29	H833SB29	H833SB30	H833SB30	H833SB30	H833SB31
		SAMPLE ID	H833-SB2903	H833-SB2904	H833-SB3001	H833-SB3002	H833-SB3003	H833-SB3101
		DATE	02/28/96	02/28/96	03/04/96	03/04/96	03/04/96	03/04/96
		DEPTH (ft)	15.00	20.00	3.60	10.00	10.00	3.50
		RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate	Primary
Benzene	(ug/kg)		<6.3	<6.2	<5.9	<6.0	<6.1	<6.7
Ethylbenzene	(ug/kg)		<6.3	<6.2	<5.9	<6.0	<6.1	<6.7
Toluene	(ug/kg)		<6.3	<6.2	<5.9	<6.0	<6.1	<6.7
Xylene (total)	(ug/kg)		<6.3	<6.2	<5.9	<6.0	<6.1	<6.7
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<420	<410	<390	<400	<400	<390
Acenaphthylene	(ug/kg)		<420	<410	<390	<400	<400	<390
Benzo(a)pyrene	(ug/kg)		<420	<410	<390	<400	<400	<390
Benzo(b,k)fluoranthene	(ug/kg)		<420	<410	<390	<400	<400	<390
Benzo(ghi)perylene	(ug/kg)		<420	<410	<390	<400	<400	<390
Chrysene + Benzo(a)anthracene	(ug/kg)		<420	<410	<390	<400	<400	<390
Fluoranthene	(ug/kg)		<420	<410	<390	<400	<400	<390
Fluorene	(ug/kg)		<420	<410	<390	<400	<400	<390
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<420	<410	<390	<400	<400	<390
Naphthalene	(ug/kg)		<420	<410	<390	<400	<400	<390
Phenanthrene + Anthracene	(ug/kg)		<420	<410	<390	<400	<400	<390
Pyrene	(ug/kg)		<420	<410	<390	<400	<400	<390
1-Methylnaphthalene	(ug/kg)		<420	<410	<390	<400	<400	<390
2-Methylnaphthalene	(ug/kg)		<420	<410	<390	<400	<400	<390
			---	---	---	---	---	---
GRO	(mg/kg)		<0.32	<0.31	<0.29	<0.30	<0.30	<0.29
DRO	(mg/kg)		<13	<12	<12	<12	<12	<12

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB31	H833SB32	H833SB32	H833SB32	H833SB32	H833SB33
		SAMPLE ID	H833-SB3102	H833-SB3201	H833-SB3202	H833-SB3203	H833-SB3204	H833-SB3301
		DATE	03/04/96	02/28/96	02/29/96	02/29/96	02/29/96	03/04/96
		DEPTH (ft)	10.00	3.50	10.00	15.00	20.00	3.50
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<6.2	<5.6	<6.2	<6.3	<6.2	<5.4
Ethylbenzene	(ug/kg)		<6.2	<5.6	<6.2	<6.3	<6.2	<5.4
Toluene	(ug/kg)		<6.2	5.9	<6.2	<6.3	<6.2	<5.4
Xylene (total)	(ug/kg)		8.4	13	<6.2	<6.3	<6.2	<5.4
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<410	<370	<410	<420	<410	<360
Acenaphthylene	(ug/kg)		<410	<370	<410	<420	<410	<360
Benzo(a)pyrene	(ug/kg)		<410	<370	<410	<420	<410	<360
Benzo(b,k)fluoranthene	(ug/kg)		<410	<370	<410	<420	<410	<360
Benzo(ghi)perylene	(ug/kg)		<410	<370	<410	<420	<410	<360
Chrysene + Benzo(a)anthracene	(ug/kg)		<410	<370	<410	<420	<410	<360
Fluoranthene	(ug/kg)		<410	<370	<410	<420	<410	<360
Fluorene	(ug/kg)		<410	<370	<410	<420	<410	<360
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<410	<370	<410	<420	<410	<360
Naphthalene	(ug/kg)		<410	<370	<410	<420	<410	<360
Phenanthrene + Anthracene	(ug/kg)		<410	<370	<410	<420	<410	<360
Pyrene	(ug/kg)		<410	<370	<410	<420	<410	<360
1-Methylnaphthalene	(ug/kg)		<410	<370	<410	<420	<410	<360
2-Methylnaphthalene	(ug/kg)		<410	<370	<410	<420	<410	<360
			---	---	---	---	---	---
GRO	(mg/kg)		<0.31 J	<0.28	<0.31	<0.32 J	<0.31	<0.27
DRO	(mg/kg)		<12	<11	<12	<13 J	20	<11

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

CONSTITUENT		SITE	H833SB33	H833SB34	H833SB34	H833SB35	H833SB35	H833SB35
		SAMPLE ID	H833-SB3302	H833-SB3401	H833-SB3402	H833-SB3501	H833-SB3502	H833-SB3503
		DATE	03/04/96	03/04/96	03/04/96	03/04/96	03/04/96	03/04/96
		DEPTH (ft)	10.00	3.10	8.00	3.50	8.00	8.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Duplicate
Benzene	(ug/kg)		<6.2	<5.4	<6.0	<5.5	<6.3	<6.3
Ethylbenzene	(ug/kg)		<6.2	<5.4	<6.0	<5.5	<6.3	<6.3
Toluene	(ug/kg)		<6.2	<5.4	<6.0	<5.5	<6.3	<6.3
Xylene (total)	(ug/kg)		<6.2	<5.4	<6.0	<5.5	<6.3	<6.3
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<410	<360	<390	<360	<420	<420
Acenaphthylene	(ug/kg)		<410	<360	<390	<360	<420	<420
Benzo(a)pyrene	(ug/kg)		<410	<360	<390	<360	<420	<420
Benzo(b,k)fluoranthene	(ug/kg)		<410	<360	<390	<360	<420	<420
Benzo(ghi)perylene	(ug/kg)		<410	<360	<390	<360	<420	<420
Chrysene + Benzo(a)anthracene	(ug/kg)		<410	<360	<390	<360	<420	<420
Fluoranthene	(ug/kg)		<410	<360	<390	<360	<420	<420
Fluorene	(ug/kg)		<410	<360	<390	<360	<420	<420
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<410	<360	<390	<360	<420	<420
Naphthalene	(ug/kg)		<410	<360	<390	<360	<420	<420
Phenanthrene + Anthracene	(ug/kg)		<410	<360	<390	<360	<420	<420
Pyrene	(ug/kg)		<410	<360	<390	<360	<420	<420
1-Methylnaphthalene	(ug/kg)		<410	<360	<390	<360	<420	<420
2-Methylnaphthalene	(ug/kg)		<410	<360	<390	<360	<420	<420
			---	---	---	---	---	---
GRO	(mg/kg)		<0.31	<0.27	<0.30	<0.27	<0.32	<0.32
DRO	(mg/kg)		<12	<11	<12	<11	<13	<13

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB36	H833SB36	H833SB37	H833SB37	H833SB37	H833SB37
		SAMPLE ID	H833-SB3601	H833-SB3602	H833-SB3701	H833-SB3702RE	H833-SB3703RE	H833-SB3704
		DATE	03/04/96	03/04/96	03/05/96	03/05/96	03/05/96	03/05/96
		DEPTH (ft)	3.30	8.00	3.30	5.30	15.00	20.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.6	<6.0	<5.4	<5.4	<6.0	<6.0
Ethylbenzene	(ug/kg)		<5.6	<6.0	<5.4	<5.4	<6.0	<6.0
Toluene	(ug/kg)		<5.6	<6.0	<5.4	<5.4	<6.0	<6.0
Xylene (total)	(ug/kg)		<5.6	<6.0	<5.4	<5.4	<6.0	<6.0
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<390	<1800 R	<1800 R	<400	<400
Acenaphthylene	(ug/kg)		<370	<390	<1800 R	2200 J	<400	<400
Benzo(a)pyrene	(ug/kg)		<370	<390	9100 J	10000 J	760	430
Benzo(b,k)fluoranthene	(ug/kg)		<370	<390	15000 J	22000 J	1300	830
Benzo(ghi)perylene	(ug/kg)		<370	<390	7300 J	11000 J	630	<400
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<390	19000 J	22000 J	1400	1100
Fluoranthene	(ug/kg)		<370	<390	10000 J	9200 J	770	1000
Fluorene	(ug/kg)		<370	<390	<1800 R	<1800 R	<400	<400
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<370	<390	9200 J	14000 J	630	<400
Naphthalene	(ug/kg)		<370	<390	<1800 R	<1800 R	<400	<400
Phenanthrene + Anthracene	(ug/kg)		<370	<390	4100 J	6500 J	510	1100
Pyrene	(ug/kg)		<370	<390	11000 J	11000 J	810	900
1-Methylnaphthalene	(ug/kg)		<370	<390	<1800 R	<1800 R	<400	<400
2-Methylnaphthalene	(ug/kg)		<370	<390	<1800 R	<1800 R	<400	<400
			---	---	---	---	---	---
GRO	(mg/kg)		<0.28 J	<0.30	<0.27 J	<0.27	<0.30	<0.30
DRO	(mg/kg)		<11	<12	36	51	<12	<12

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB38	H833SB38	H833SB38	H833SB39	H833SB39	H833SB40
		SAMPLE ID	H833-SB3801	H833-SB3803	H833-SB3802	H833-SB3901	H833-SB3902	H833-SB4001
		DATE	03/04/96	03/04/96	03/04/96	03/04/96	03/04/96	03/05/96
		DEPTH (ft)	3.30	3.30	5.30	3.50	8.00	3.50
		RESULT TYPE	Primary	Duplicate	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.6	<5.4	<5.7	<5.8	<6.3	<6.1
Ethylbenzene	(ug/kg)		<5.6	<5.4	<5.7	<5.8	<6.3	<6.1
Toluene	(ug/kg)		<5.6	<5.4	<5.7	<5.8	<6.3	<6.1
Xylene (total)	(ug/kg)		<5.6	<5.4	<5.7	<5.8	<6.3	<6.1
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<350	<380	<380	<420	<800
Acenaphthylene	(ug/kg)		<370	<350	<380	<380	<420	<800
Benzo(a)pyrene	(ug/kg)		<370	<350	<380	<380	<420	<800
Benzo(b,k)fluoranthene	(ug/kg)		<370	<350	<380	<380	<420	<800
Benzo(ghi)perylene	(ug/kg)		<370	<350	<380	<380	<420	<800
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<350	<380	<380	<420	<800
Fluoranthene	(ug/kg)		<370	<350	<380	<380	<420	<800
Fluorene	(ug/kg)		<370	<350	<380	<380	<420	<800
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthr	(ug/kg)		<370	<350	<380	<380	<420	<800
Naphthalene	(ug/kg)		<370	<350	<380	<380	<420	<800
Phenanthrene + Anthracene	(ug/kg)		<370	<350	<380	<380	<420	<800
Pyrene	(ug/kg)		<370	<350	<380	<380	<420	<800
1-Methylnaphthalene	(ug/kg)		<370	<350	<380	<380	<420	<800
2-Methylnaphthalene	(ug/kg)		<370	<350	<380	<380	<420	<800
			---	---	---	---	---	---
GRO	(mg/kg)		<0.28	<0.27	<0.28	<0.29 J	<0.32	<0.30
DRO	(mg/kg)		<11	<11	<11	<12	<13	65

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB40	H833SB40	H833SB40	H833SB41	H833SB41	H833SB42
		SAMPLE ID	H833-SB4002	H833-SB4003	H833-SB4004	H833-SB4101	H833-SB4102	H833-SB4201
		DATE	03/05/96	03/05/96	03/05/96	03/04/96	03/04/96	03/04/96
		DEPTH (ft)	7.00	15.00	20.00	3.50	7.00	3.30
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<6.2	<6.4	<6.4	<5.6	<6.0	<5.4
Ethylbenzene	(ug/kg)		<6.2	<6.4	<6.4	<5.6	<6.0	<5.4
Toluene	(ug/kg)		<6.2	<6.4	<6.4	<5.6	<6.0	<5.4
Xylene (total)	(ug/kg)		<6.2	<6.4	14	<5.6	<6.0	<5.4
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<410	<420	<420	<370	<390	<360
Acenaphthylene	(ug/kg)		<410	<420	<420	<370	<390	<360
Benzo(a)pyrene	(ug/kg)		<410	<420	<420	<370	<390	<360
Benzo(b,k)fluoranthene	(ug/kg)		<410	<420	<420	<370	<390	<360
Benzo(ghi)perylene	(ug/kg)		<410	<420	<420	<370	<390	<360
Chrysene + Benzo(a)anthracene	(ug/kg)		<410	<420	<420	<370	<390	<360
Fluoranthene	(ug/kg)		<410	<420	<420	<370	<390	<360
Fluorene	(ug/kg)		<410	<420	<420	<370	<390	<360
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<410	<420	<420	<370	<390	<360
Naphthalene	(ug/kg)		<410	<420	<420	<370	<390	<360
Phenanthrene + Anthracene	(ug/kg)		<410	<420	<420	<370	<390	<360
Pyrene	(ug/kg)		<410	<420	<420	<370	<390	<360
1-Methylnaphthalene	(ug/kg)		<410	<420	<420	<370	<390	<360
2-Methylnaphthalene	(ug/kg)		<410	<420	<420	<370	<390	<360
			---	---	---	---	---	---
GRO	(mg/kg)		<0.31	<0.32 J	<0.32 J	<0.28	<0.30 J	<0.27
DRO	(mg/kg)		<12	<13	<13	13	<12	<11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB42	H833SB43	H833SB43	H833SB44	H833SB44	H833SB44
		SAMPLE ID	H833-SB4202	H833-SB4301	H833-SB4302	H833-SB4401	H833-SB4402	H833-SB4403
		DATE	03/04/96	03/04/96	03/04/96	03/05/96	03/05/96	03/05/96
		DEPTH (ft)	8.00	3.50	7.00	3.50	7.00	15.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<6.2	<5.5	<5.7	<5.4	<5.8	<6.3
Ethylbenzene	(ug/kg)		<6.2	<5.5	<5.7	<5.4	<5.8	<6.3
Toluene	(ug/kg)		<6.2	6.5	<5.7	<5.4	<5.8	<6.3
Xylene (total)	(ug/kg)		<6.2	<5.5	<5.7	<5.4	<5.8	<6.3
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<410	<360	<380	<360	<380	<420
Acenaphthylene	(ug/kg)		<410	<360	<380	<360	<380	<420
Benzo(a)pyrene	(ug/kg)		<410	<360	<380	<360	<380	<420
Benzo(b,k)fluoranthene	(ug/kg)		<410	<360	<380	<360	<380	<420
Benzo(ghi)perylene	(ug/kg)		<410	<360	1100	<360	<380	<420
Chrysene + Benzo(a)anthracene	(ug/kg)		<410	<360	<380	<360	<380	<420
Fluoranthene	(ug/kg)		<410	<360	<380	<360	<380	<420
Fluorene	(ug/kg)		<410	<360	<380	<360	<380	<420
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<410	<360	<380	<360	<380	<420
Naphthalene	(ug/kg)		<410	<360	<380	<360	<380	<420
Phenanthrene + Anthracene	(ug/kg)		<410	<360	<380	<360	<380	<420
Pyrene	(ug/kg)		<410	<360	<380	<360	<380	<420
1-Methylnaphthalene	(ug/kg)		<410	<360	<380	<360	<380	<420
2-Methylnaphthalene	(ug/kg)		<410	<360	<380	<360	<380	<420
			---	---	---	---	---	---
GRO	(mg/kg)		<0.31	<0.27	<0.29 J	<0.27	<0.29	<0.32
DRO	(mg/kg)		<12	15	<11	<11	<12	<13

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB44	H833SB45	H833SB45	H833SB45	H833SB46	H833SB46
		SAMPLE ID	H833-SB4404	H833-SB4501	H833-SB4502	H833-SB4503	H833-SB4601	H833-SB4602
		DATE	03/05/96	03/04/96	03/04/96	03/04/96	03/04/96	03/04/96
		DEPTH (ft)	20.00	2.50	7.00	7.00	3.50	10.00
		RESULT TYPE	Primary	Primary	Primary	Duplicate	Primary	Primary
Benzene	(ug/kg)		<6.1	<5.5	<6.0	<6.0	<5.4	<5.6
Ethylbenzene	(ug/kg)		<6.1	<5.5	<6.0	<6.0	<5.4	<5.6
Toluene	(ug/kg)		<6.1	<5.5	<6.0	<6.0	<5.4	<5.6
Xylene (total)	(ug/kg)		<6.1	<5.5	7.7	6.3	<5.4	<5.6
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<400	<360	<400	<390	<360	<370
Acenaphthylene	(ug/kg)		<400	<360	<400	<390	<360	<370
Benzo(a)pyrene	(ug/kg)		<400	<360	<400	<390	<360	<370
Benzo(b,k)fluoranthene	(ug/kg)		<400	<360	<400	840	<360	<370
Benzo(ghi)perylene	(ug/kg)		<400	<360	470	<390	<360	640
Chrysene + Benzo(a)anthracene	(ug/kg)		<400	<360	<400	<390	<360	<370
Fluoranthene	(ug/kg)		<400	<360	<400	<390	<360	<370
Fluorene	(ug/kg)		<400	<360	<400	<390	<360	<370
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<400	<360	<400	<390	<360	<370
Naphthalene	(ug/kg)		<400	<360	<400	<390	<360	<370
Phenanthrene + Anthracene	(ug/kg)		<400	<360	<400	<390	<360	<370
Pyrene	(ug/kg)		<400	<360	<400	<390	<360	<370
1-Methylnaphthalene	(ug/kg)		<400	<360	<400	<390	<360	<370
2-Methylnaphthalene	(ug/kg)		<400	<360	<400	<390	<360	<370
			---	---	---	---	---	---
GRO	(mg/kg)		<0.30	<0.27 J	<0.30	<0.30	<0.27	<0.28 J
DRO	(mg/kg)		<12	<11	<12	12	30	<11

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT		SITE	H833SB47	H833SB47	H833SB48	H833SB48	H833SB48	H833SB48
		SAMPLE ID	H833-SB4701	H833-SB4702	H833-SB4801	H833-SB4802	H833-SB4803	H833-SB4804
		DATE	03/04/96	03/04/96	03/05/96	03/05/96	03/05/96	03/05/96
		DEPTH (ft)	3.50	7.00	3.50	7.00	15.00	20.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.6	<5.7	<6.1	<6.0	<6.3	<6.1
Ethylbenzene	(ug/kg)		<5.6	<5.7	8.2	<6.0	<6.3	<6.1
Toluene	(ug/kg)		<5.6	<5.7	<6.1	<6.0	<6.3	<6.1
Xylene (total)	(ug/kg)		<5.6	<5.7	150	94	<6.3	<6.1
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<380	<400	<400	<420	<400
Acenaphthylene	(ug/kg)		<370	<380	<400	<400	<420	<400
Benzo(a)pyrene	(ug/kg)		<370	<380	<400	<400	<420	<400
Benzo(b,k)fluoranthene	(ug/kg)		<370	<380	<400	<400	<420	<400
Benzo(ghi)perylene	(ug/kg)		<370	<380	<400	<400	<420	<400
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<380	<400	<400	<420	<400
Fluoranthene	(ug/kg)		<370	<380	<400	<400	<420	<400
Fluorene	(ug/kg)		<370	<380	<400	<400	<420	<400
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<370	<380	<400	<400	<420	<400
Naphthalene	(ug/kg)		<370	<380	<400	<400	<420	<400
Phenanthrene + Anthracene	(ug/kg)		<370	<380	<400	<400	<420	<400
Pyrene	(ug/kg)		<370	<380	<400	<400	<420	<400
1-Methylnaphthalene	(ug/kg)		<370	<380	<400	<400	<420	<400
2-Methylnaphthalene	(ug/kg)		<370	<380	<400	<400	<420	<400
			---	---	---	---	---	---
GRO	(mg/kg)		<0.28	<0.29	1.6	0.54	<0.32	<0.30
DRO	(mg/kg)		<11	11	<12	<12	<13	<12

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL BORINGS

Date: 06/07/96

CONSTITUENT			SITE	H833SB48	H833SB49	H833SB49	H833SB50	H833SB50	H833SB50
			SAMPLE ID	H833-SB4805	H833-SB4901	H833-SB4902	H833-SB5001	H833-SB5003	H833-SB5002
			DATE	03/05/96	03/05/96	03/05/96	03/04/96	03/04/96	03/04/96
			DEPTH (ft)	20.00	3.30	8.00	3.10	3.10	10.00
			RESULT TYPE	Duplicate	Primary	Primary	Primary	Duplicate	Primary
Benzene		(ug/kg)		<6.1	<5.4	<5.7	<5.6	<5.6	<6.0
Ethylbenzene		(ug/kg)		<6.1	<5.4	<5.7	<5.6	<5.6	<6.0
Toluene		(ug/kg)		<6.1	<5.4	<5.7	<5.6	<5.6	<6.0
Xylene (total)		(ug/kg)		<6.1	<5.4	<5.7	<5.6	<5.6	<6.0
				---	---	---	---	---	---
Acenaphthene		(ug/kg)		<400	<360	<380	<370	<370	<390
Acenaphthylene		(ug/kg)		<400	<360	<380	<370	<370	<390
Benzo(a)pyrene		(ug/kg)		<400	<360	<380	<370	<370	<390
Benzo(b,k)fluoranthene		(ug/kg)		<400	<360	<380	<370	<370	<390
Benzo(ghi)perylene		(ug/kg)		<400	<360	<380	<370	<370	<390
Chrysene + Benzo(a)anthracene		(ug/kg)		<400	<360	<380	<370	<370	<390
Fluoranthene		(ug/kg)		<400	<360	<380	<370	<370	<390
Fluorene		(ug/kg)		<400	<360	<380	<370	<370	<390
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr		(ug/kg)		<400	<360	<380	<370	<370	<390
Naphthalene		(ug/kg)		<400	<360	<380	<370	<370	<390
Phenanthrene + Anthracene		(ug/kg)		<400	<360	<380	<370	<370	<390
Pyrene		(ug/kg)		<400	<360	<380	<370	<370	<390
1-Methylnaphthalene		(ug/kg)		<400	<360	<380	<370	<370	<390
2-Methylnaphthalene		(ug/kg)		<400	<360	<380	<370	<370	<390
				---	---	---	---	---	---
GRO		(mg/kg)		<0.30	<0.27	<0.29	<0.28	<0.28	<0.30
DRO		(mg/kg)		<12	<11	<11	<11	<11	<12

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: Daniel Howard

DATE	TIME MILITARY	FIELD SAMPLE ID (CAS.# - SDG)	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCs (Method 8020)	SVOC PAH (Method 8100)	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO (8015M)	DRO (8015M)		
2/27/96	1335	H833-SB0101	H8335B01 **	PØ	1.3-3.3 0-2 DH	2	N	X	X						X	X		
	1400	H833-SB0102 *	H8335B01 **	PØ	7.5 4.5	2		X	X						X	X		
	1350	H833-SB0201	H8335B02	PØ	1.5-3.5	2		X	X						X	X		
	1405	H833-SB0202	H8335B02 ***	PØ	8-10	2		X	X						X	X		
	1420	H833-SB0203	H8335B02	PØ	13-15	2		X	X						X	X		
	1440	H833-SB0204	H8335B02	PØ	18 20	2		X	X						X	X		
	1435	H833-SB0301	H8335B03 **	PØ	1.3-3.3 0-2 DH	2		X	X						X	X		
	1502	H833-SB0302	H8335B03 **	PØ	7.3-9.3	2		X	X						X	X		

ANALYTICAL PARAMETERS/METHODS

Relinquished by: (Signature) Daniel L Howard Date/Time: 2/28/96 09 21
Received by: A. Campbell Date/Time: 2/28/96 9:21

Remarks: * Use sample H833-SB0102 as MS/MSD also SLS-81140
** - Hold Samples for possible future Analysis
*** - Use this sample for MS/MSD also per D. Howard 9/28/96 K. Dess

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: Daniel Howard

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
2/27/96	1520	H833-SB0401	H833SB04	PØ	1.5-3.5	2	N
	1530	H833-SB0402	H833SB04	PØ	8-10	2	N
	1625	H833-SB0501	H833SB05 #4	PØ	13-3.3	2	N
	1645	H833-SB0502	H833SB05 #4	PØ	~~1.3-3.3~~ 8-10	2	N
	1625	H833-SB0503	H833SB05 #4	DI	1.3-3.3	2	N
	1630	H833-SB0601	H8335B06	PØ	1.5-3.5	2	N
	1650	H833-SB0602	H8335B06	PØ	8-10	2	N
↓	1700	H833-SB0603	H8335B06	PØ	13-15	2	N

ANALYTICAL PARAMETERS/METHODS

Method No.	VOCs 8020	SVOC PAH 8100	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO 8015M	DRO 8015M		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		

Relinquished by: (Signature) Daniel L Howard — Date/Time: 2/28/96/0921 — Received by: A. Campbell — Date/Time: 2/28/96 9:21

Remarks: SL-81140

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE (Y)/N
NO: _____

Send Results to:
Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER: STI Fed Ex, DHL

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: Daniel Howard

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCs	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						WS108	WS108		
2/27/96	1705	H833-SB0604	H833SB06	PØ	18-20	2	N	X	X						X	X		
	1540	H833-SB0801	H833SB08 **	PØ	1.3-3.3	2	N	X	X						X	X		
↓	1556	H833-SB0802	H833SB08 **	PØ	7.3-9.3	2	N	X	X						X	X		
↓		TEMP Blank				1												

Relinquished by: (Signature) Daniel Howard — Date/Time: 2/28/96 0921 — Received by: A. Campbell — Date/Time: 2/28/96 921

Remarks: SG-811140

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER _____
STORED/SHIPPED IN ICE Y/N
NO: _____

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative _____ FAX # _____

SUBCONTRACTOR _____ PROJECT # 017618-4104

SAMPLE CUSTODIAN Beverly Neelup 81164A TODAY'S DATE 2-29-96

DATE/TIME SAMPLES RECEIVED 2-28-96 6:05pm

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 2-29-96 TIME 8:30am

CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☑

CHAIN OF CUSTODY PROVIDED? YES ☑ NO ☐

SAMPLE LABELS PRESENT? YES ☑ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☑ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN FROZEN

FROZEN _____

COOLER NUMBER		TEMP INSIDE COOLER
#	81164 A	0.8
#		
#		
#		
#		

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT?))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB1001, H833-SB1002, H833-SB1003, H833-SB1004, H833-SB1005, H833-SB2301, H833-SB2302, H833-SB2303, H833-SB2304, H833-SB2305, H833-SB2901, H833-SB2902, H833-SB2903, H833-SB2904, H833-SB3201

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.

UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative _____ FAX # _____

SUBCONTRACTOR _____ PROJECT # 017618-4104

SAMPLE CUSTODIAN Beverly Neely 81164 B TODAY'S DATE 2-29-96

DATE/TIME SAMPLES RECEIVED 2-28-96 6:05 pm.

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 2-29-96 TIME 8:30 am

CHAIN OF CUSTODY SEAL INTACT? YES ☐ NO ☑

CHAIN OF CUSTODY PROVIDED? YES ☑ NO ☐

SAMPLE LABELS PRESENT? YES ☑ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☑ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN Frozen

FROZEN _____

COOLER NUMBER		TEMP INSIDE COOLER
#	81164 B	1.0
#	~~81164 A~~ BEN	~~0.8~~ BEN
#		
#		
#		

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT?))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB0701, H833-SB0702, H833-SB1101, H833-SB1102
H833-SB1301, H833-SB1302, H833-SB1201, H833-SB1202

2nd Shift
m-8100/8100

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAFII
PROJECT NO: 017618-4104
LABORATORY ID: SLS
SAMPLER NAME/SIGNATURE: Daniel Howard

TASK ORDER NO. 019
CASE ID: SC001
SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCs	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
2/28/96	0834	H833-SB1001	H833SB10	PØ	1.5-3.5	2	N	X	X						X	X		
	0850	H833-SB1002	H833SB10	PØ	8-10	2	N	X	X						X	X		
	0917	H833-SB1003	H833SB10	PØ	13-15	2	N	X	X						X	X		
	0930	H833-SB1004	H833SB10	PØ	18-20	2	N	X	X						X	X		
	0930	H833-SB1005	H833SB10	D11	18-20	2	N	X	X						X	X		
	1100	H833-SB2301*	H833SB23	PØ	1.5-3.5	2	N	X	X						X	X		
	1120	H833-SB2302	H833SB23	PØ	8-10	2	N	X	X						X	X		
↓	1145	H833-SB2303	H833SB23	PØ	13-15	2	N	X	X						X	X		

Relinquished by: (Signature) Daniel L Howard Date/Time: 2/28/96/1804 Received by: Beverly Neely 5116HA Date/Time: 2/28/96 6:05pm

Remarks: Use sample H833-SB2301 as MS/MSD also

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE (Y) N
NO: _____

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER: _____

QS602290

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4104

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: Daniel Howard

TASK ORDER NO. 019

CASE ID: SC001

SDG ID:

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)	VOCS	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
2/28/96	1200	H833-SB2304	H833-SB23	PØ	18-20	2	N	X	X						X	X		
	1200	H833-SB2305	H8335B23	D2	18-20	2	N	X	X						X	X		
	1523	H833-SB2901	H8335B29	PØ	15-35	2	N	X	X						X	X		
	1540	H833-SB2902	H8335B29	PØ	8-10	2	N	X	X						X	X		
	1555	H833-SB2903	H8335B29	PØ	13-15	2	N	X	X						X	X		
	1603	H833-SB2904	H8335B29	PØ	18-20	2	N	X	X						X	X		
	1630	H833-SB3201	H8335B32	PØ	1.5-3.5	2	N	X	X						X	X		
↓	—	TEMP Blank				1												

ANALYTICAL PARAMETERS/METHODS

Relinquished by: (Signature) Daniel Howard Date/Time: 2/28/96/1804 Received by: 81164A Beverly Neely Date/Time: 2/28/96 6:05 AM

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE (Y) N
NO: _____

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4104

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: Daniel Howard

TASK ORDER NO. 019

CASE ID: SC001

SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*		VOCs Method No. 8020	SVOC PAH 8100	METALS ICP IIg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO 8015M	DRO 8015M		
2/28/96	1135	H833-SB0701	H8335B07	PØ	1.3-3.3	2	N		X	X						X	X		
2/28/96	1150	H833-SB0702	H8335B07	PØ	7.3-9.3	2	N		X	X						X	X		
	1255	H833-SB1101	H8335B11	PØ	1.3-3.3	2	N		X	X						X	X		
	1315	H833-SB1102	H8335B11	PØ	5.3-7.3	2	N		X	X						X	X		
	1525	H833-SB1301	H8335B13	PØ	1.3-3.3	2	N		X	X						X	X		
	1540	H833-SB1302	H8335B13	PØ	5.3-7.3	2	N		X	X						X	X		
	1615	H833-SB1201	H8335B12	PØ	0-2	2	N		X	X						X	X		
✓	1635	H833-SB1202	H8335B12	PØ	6-8	2	N		X	X						X	X		

Relinquished by: (Signature) Daniel Howard — TEMP Blank — Date/Time: 2/28/96/1804 — Received by: Beverly Neely — B11644B1 — Date/Time: 2/28/96 6:05pm

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE (Y)N
NO: _____

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY

UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT

METCALF & EDDY Representative Christine Dottinger FAX # 404/872-3161

SUBCONTRACTOR _____ PROJECT # 017618-4104

SAMPLE CUSTODIAN Beverly Neely TODAY'S DATE 3-1-96

DATE/TIME SAMPLES RECEIVED 2-29-96 6:12 PM

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 3-1-96 TIME 8:30 AM

CHAIN OF CUSTODY SEAL INTACT? YES [✓] NO [ ]

CHAIN OF CUSTODY PROVIDED? YES [✓] NO [ ]

SAMPLE LABELS PRESENT? YES [✓] NO [ ]

BOTTLE LABELS CORRESPOND W/COC? YES [✓] NO [ ]

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN frozen

FROZEN _____

COOLER NUMBER # A TEMP INSIDE COOLER 2.5

_____

_____

_____

_____

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT?))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

_____

_____

_____

_____

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB2003, H833-SB2201, H833-2202, H833-SB2801, H833-SB2802, H833-SB2401, H833-SB2402, H833-SB1401, H833-SB1402, H833-SB1601, H833-SB1602, H833-SB1801, H833-SB1802, H833-SB2001 H833-SB2002, H833-SB3204, H833-SB3202, H833-SB3203, H833-SB1501, H833-SB1506 H833-SB1501, H833-SB1502, H833-SB1503

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative Christine Hettinger FAX # 404/872-3161

SUBCONTRACTOR _____ PROJECT # 017618-4104

SAMPLE CUSTODIAN Beverly Neely TODAY'S DATE 3-1-96

DATE/TIME SAMPLES RECEIVED 2-29-96 6:25 pm

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 3

COOLER OPENED: DATE 3-1-96 TIME 8:30 Am

CHAIN OF CUSTODY SEAL INTACT? YES ☑ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☑ NO ☐

SAMPLE LABELS PRESENT? YES ☑ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☑ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN frozen

FROZEN _____

COOLER NUMBER # B TEMP INSIDE COOLER 2.9

_____

_____

_____

_____

RECORD TEMPERATURE BLANK (1) _____ (2) _____ (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB1701, H833-SB1702, H833-SB2501, H833-SB2502 H833-SB2503, H833-SB2701, H833-SB2702, H833-SB2101, H833-SB2102, H833-SB0901

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4104

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: Daniel Howard / W. Vang

TASK ORDER NO. 019

CASE ID: SC001

SDG ID:

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	Method No. 8020	Method No. 8100	METALS ICP IIg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO 8015M	DRO 8015M		
								VOCS	SVOC PAH									
2/29/96	0825	H833-SB1401	H833SB14	PØ	0-2	2	N	X	X						X	X		
	0845	H833-SB1402	H833SB14	PØ	6-8	2	N	X	X						X	X		
	0915	H833-SB1601	H833SB16	PØ	1.3-3.3	2	N	X	X						X	X		
	0930	H833-SB1602	H833SB16	PØ	5.3-7.3	2	N	X	X						X	X		
	1025	H833-SB1801	H833SB18	PØ	1.3-3.3	2	N	X	X						X	X		
	1040	H833-SB1802	H833SB18	PØ	5.3-7.3	2	N	X	X						X	X		
	1110	H833-SB2001	H833SB20	PØ	1.1-3.1	2	N	X	X						X	X		
	1125	H833-SB2002	H833SB20	PØ	5.1-7.1	2	N	X	X						X	X		

ANALYTICAL PARAMETERS/METHODS

Relinquished by: (Signature) Daniel Howard — Date/Time: 2/29/96/1822

Received by: Beverly Neely (A) — Date/Time: 2/29/96 6:25

Remarks: SC-81193

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: Daniel L Howard / W. Vaughn

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
1/29/96	1125	H833-SB2003 (DH)	H8335B20	DI	5.1-7.1	2	N
	1345	H833-SB2201 (DH)	H8335B22	PØ	1.3-3.3	2	N
	1416	H833-SB2202	H8335B22	PØ	7.3-9.3	2	N
	1505	H833-SB2801	H8335B28	PØ	1.2-3.2	2	N
	1525	H833-SB2802	H8335B28	PØ	5.2-7.2	2	N
	1640	H833-SB2401	H8335B24	PØ	1.3-3.3	2	N
	1705	H833-SB2402	H8335B24	PØ	7.3-9.3	2	N
↓	—	TEMP Blank				1	

ANALYTICAL PARAMETERS/METHODS

	VOCS	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.	8020	8100						8015M	8015M		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE (Y)/N
NO: _____

Relinquished by: (Signature) Daniel L Howard — Date/Time: 2/29/96 / 1822
Received by: Beverly McCright (AFCEE) — Date/Time: 2/29/96 6:25 pm
Remarks: SL-81193

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER: _____

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: W. Verneyck Daniel Howard
Wayne Vermeychak

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	PRO	GRO		
Method No.								8020	8100						8015M	8015M		
2/29/96	0910	H833-SB3201		PD	8-10'	2		+	+						+	+		
2/29/96	0920	H833-SB3202		PD	13-15	2		+	+						+	+		
2/29/96	0936	H833-SB3203		PD	18-20	2		+	+						+	+		
2/29/96	1000	H833-SB1901		PD	1.5-3.5	2		+	+						+	+		
	1010	H833-SB1902		PD	8-10	2		+	+						+	+		
	1055	H833-SB1501		PD	1.5-3.5	2		+	+						+	+		
	1105	H833-SB1502		PD	8-10	2		+	+						+	+		
	1105	H833-SB1503		D1	8-10	2		+	+						+	+		

Relinquished by: (Signature) Daniel L Howard Date/Time: 2/29/96/1823
Received by: Beverly Melly (B) Date/Time: 2/29/96 6:25 PM
SB-81193

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER
STORED/SHIPPED IN ICE Y/N
NO:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF
TASK ORDER NO. 019
PROJECT NO: 017618-4104
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: W. Vaughn Daniel Howard
Wayne Vermeychuk

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS 8020	SVOC 8100	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO 8015M	GRO 8015M		
2/29/96	1125	H833-[MS] SB1701		PØ	1.5-3.5	2		+	+						+	+		
	1135	H833-SB1702		PØ	8-10	2		+	+						+	+		
	1406	H833-SB2501		PØ	1.5-3.5	2		+	+						+	+		
	1420	H833-SB2502		PØ	8-10	2		+	+						+	+		
	1420	H833-SB2503		D2	8-10	2		+	+						+	+		
	1440	H833-SB2701		PØ	1.5-3.5	2		+	+						+	+		
	1450	H833-SB2702		PØ	8-10	2		+	+						+	+		
	1535	H833-SB2101		PØ	1.5-3.5	2		+	+						+	+		

Relinquished by: (Signature) W. Vaughn Daniel Howard Date/Time: 2/29/96 1823
Received by: [illegible] Date/Time: 2/29/96 16:25
SLS-61193

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

Metcalf & Eddy

CHAIN - OF - CUSTO[illegible] - RECORD

PROJECT NAME: Hunter AAF

PROJECT NO: 017618-4104

LABORATORY ID: SLS

TASK ORDER NO. 019

CASE ID: SC001

SDG ID:

SAMPLER NAME/SIGNATURE: W. Vaughn Daniel Howard
Wayne Vermeychuk

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
2/29/96	1545	H833-SB2102		AQ	1.5-2.5 (8-10')	2	
2/29/96	1615	H833-SB0901		AQ	1.5-3.5	2	
2/29/96		TEMP Blank				1	

Method No.	VOCS 8020	SVOC 8100	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO 8015M	GRO 8015M		
	+	+						+	+		
	+	+						+	+		

Relinquished by: (Signature) W. Vaughn Daniel Howard Date/Time: 2/29/96/1823

Received by: Beverly Meeley Date/Time: 3/29/96 8:25

Remarks: SLS-881193

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER _____
STORED/SHIPPED IN ICE Y/N

NO:

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.

UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative _____ FAX # _____

SUBCONTRACTOR _____ PROJECT # 017618-4103

SAMPLE CUSTODIAN Beverly Riley 81253A TODAY'S DATE 3-5-96

DATE/TIME SAMPLES RECEIVED 3-4-96 5:25pm

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 3-5-96 TIME 8:30Am

CHAIN OF CUSTODY SEAL INTACT? YES [✓] NO [ ]

CHAIN OF CUSTODY PROVIDED? YES [✓] NO [ ]

SAMPLE LABELS PRESENT? YES [✓] NO [ ]

BOTTLE LABELS CORRESPOND W/COC? YES [✓] NO [ ]

TYPE OF COLLANT USED Ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN Frozen

FROZEN _____

COOLER NUMBER		TEMP INSIDE COOLER
#	A	3.2
#		
#		
#		
#		

RECORD TEMPERATURE BLANK (1) 3.2 (2) 3.8 (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB4301, H833-SB4302, H833-SB0902, H833-SB3902, H833-SB4101, H833-SB4102, H833-SB4501, H833-SB4502, H833-SB4503, H833-SB4701, H833-SB4702, H833-SB3101, H833-SB3102, H833-SB3301, H833-SB3302, H833-SB3501, H833-SB3502, H833-SB3503, H833-SB3901

1 of 3

CHAIN - OF - CUSTODY - RECORD

Metcalf & Eddy

PROJECT NAME: Hunter AAF
TASK ORDER NO. 015
PROJECT NO: 01768-4103
CASE ID: SC001
LABORATORY ID: SLS
SDG ID:
SAMPLER NAME/SIGNATURE: W. Vermeychuk Daniel Z Howard
Wayne Vermeychuk

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC	METALS ICP IIg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO	GRO		
Method No.								8020	8100						WSRP	WSRP		
3/4/96	0842	H833-SB3101		P0	1.5-3.5	2	Y	X	X						X	X		
	0855	H833-SB3102		P0	8-10	2	Y	X	X						X	X		
	0915	H833-SB3301		P0	1.5-3.5	2	Y	X	X						X	X		
	0925	H833-SB3302		P0	8-10	2	Y	X	X						X	X		
	1020	H833-SB3501		P0	1.5-3.5	2	Y	X	X						X	X		
	1030	H833-SB3502		P0	6-8	2	Y	X	X						X	X		
	1030	H833-SB3503		D1	6-8	2	Y	X	X						X	X		
	1050	H833-SB3901		P0	1.5-3.5	2	Y	X	X						X	X		

Relinquished by: (Signature) Daniel Z Howard — Date/Time: 3/4/96/1719
Received by: Beverly Neely A 81253 — Date/Time: 3/4/96 5:25 PM

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF

PROJECT NO: 07618-4103

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: W. Vennoychuk Daniel Howard
W. Venn

TASK ORDER NO. 015

CASE ID: SC001

SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO	GRO		
Method No.								8020	8100						8015M	8015M		
3/4/96	1055	H833-SB3902		PØ	6-8	2	Y	X	X						X	X		
	1347	H833-SB4101 *		PØ	1.5-3.5	2	Y	X	X						X	X		
	1350	H833-SB4102		PØ	5-7	2	Y	X	X						X	X		
	1415	H833-SB4501		PØ	0.5-2.5	2	Y	X	X						X	X		
	1420	H833-SB4502		PØ	5-7	2	Y	X	X						X	X		
	1420	H833-SB4503		DI	5-7	2	Y	X	X						X	X		
	1535	H833-SB4701		PØ	1.5-3.5	2	Y	X	X						X	X		
	1540	H833-SB4702		PØ	5-7	2	Y	X	X						X	X		

Relinquished by: (Signature) Daniel L Howard Date/Time: 3/4/96 1719 Received by: Beverly Neiley A 81253 Date/Time: 3/4/96 5:30PM

Remarks: Use sample H833-SB4101 as MS/MSD also

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE Y/N
NO:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

CHAIN - OF - CUSTODY - RECORD

Metcalf & Eddy

PROJECT NAME: Hunter AAF
PROJECT NO: 017618-4103
LABORATORY ID: SLS
SAMPLER NAME/SIGNATURE: W. Vermeychuk Daniel Z Howard
W. Vey

TASK ORDER NO. 015
CASE ID: SC001
SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO	GRO		
Method No.								8020	8100						8015M	8015M		
3/4/96	1505	H833-SB4301		PD	1.5-3.5	2	Y	X	X						X	X		
3/4/96	1510	H833-SB4302		PD	5-7	2	Y	X	X						X	X		
3/4/96	1625	H833-SB0902		PD	5-7	2	Y	X	X						X	X		

Relinquished by: (Signature) Daniel Z Howard — Date/Time: 3/4/96 1719
Received by: Beverly Neely A 81253 — Date/Time: 3/4/96 5:25 PM

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.

UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative _____ FAX # _____

SUBCONTRACTOR _____ PROJECT # 017618-4103

SAMPLE CUSTODIAN Beverly Neely 81253B TODAY'S DATE 3-5-96

DATE/TIME SAMPLES RECEIVED 3-4-96 5:30pm

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 3-5-96 TIME 8:30am

CHAIN OF CUSTODY SEAL INTACT? YES ☑ NO ☐

CHAIN OF CUSTODY PROVIDED? YES ☑ NO ☐

SAMPLE LABELS PRESENT? YES ☑ NO ☐

BOTTLE LABELS CORRESPOND W/COC? YES ☑ NO ☐

TYPE OF COLLANT USED ICE

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN frozen

FROZEN _____

COOLER NUMBER # B TEMP INSIDE COOLER 3.8

_____

_____

_____

_____

RECORD TEMPERATURE BLANK (1) 3.2 (2) 3.8 (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT?))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

_____

_____

_____

_____

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB2601, H833-SB2602, H833-SB3001, H833-SB3002, H833-SB3003, H833-SB3401, H833-SB3402, H833-SB3601, H833-SB3602, H833-SB3801, H833-SB3802, H833-SB3803, H833-SB4201, H833-SB4202, H833-SB4601, H833-SB4602, H833-SB5001, H833-SB5002, H833-SB5003

CHAIN - OF - CUSTODY - RECORD

Metcalf & Eddy

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4102 DH 3

LABORATORY ID: SLS

TASK ORDER NO. 0195 DH

CASE ID: SC001

SDG ID:

SAMPLER NAME/SIGNATURE:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC PAH	METALS ICP IIg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
3/4/96	0832	H833-SB2601	H8335B26	PØ	1.5-3.5	2	N											
	0855	H833-SB2602	H8335B26	PØ	8-10	2	N											
	0920	H833-SB3001	H8335B30	PØ	1.6-3.6		N											
	0935	H833-SB3002	H8335B30	PØ	8-10		N											
	0935	H833-SB3003	H8335B30	DI	8-10		N											
	1112	H833-SB3401	H8335B34	PØ	1.1-3.1		N											
	1130	H833-SB3402	H8335B34	PØ	6-8		N											
↓	1152	H833-SB3601*	H8335B36	PØ	1.3-3.3		N											

Relinquished by: (Signature) Daniel L Howard Date/Time: 3/4/96 1721 Received by: Beverly Kelly 8/25 Date/Time: 3/4/96 5:30pm

Remarks: Use sample H833-SB3601 as MS/MSD also

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER

STORED/SHIPPED IN ICE Y/N

NO:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II
PROJECT NO: 017618-4104 DH 3
LABORATORY ID: SLS
SAMPLER NAME/SIGNATURE: Daniel Howard

TASK ORDER NO. DH 0195
CASE ID: SC001
SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCS	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
3/4/96	1200	H833-SB3602	H833SB36	PØ	6-8	2	N	X	X						X	X		
	1230	H833-SB3801	H833SB38	PØ	1.3-3.3	2	N	X	X						X	X		
	1230	H833-SB3803	H833SB38	DI	1.3-3.3	2	N	X	X						X	X		
	1240	H833-SB3802	H833SB38	PØ	3.3-5.3	2	N	X	X						X	X		
	1350	H833-SB4201	H833SB42	PØ	1.3-3.3	2	N	X	X						X	X		
	1400	H833-SB4202	H833SB42	PØ	6-8	2	N	X	X						X	X		
	1425	H833-SB4601	H833SB46	PØ	1.5-3.5	2	N	X	X						X	X		
↓	1445	H833-SB4602	H833SB46	PØ	8-10	2	N	X	X						X	X		

Relinquished by: (Signature) Daniel L Howard Date/Time: 3/4/96 1721
Received by: Beverly Kelly B 81253 Date/Time: 3/4/96 5:30 PM

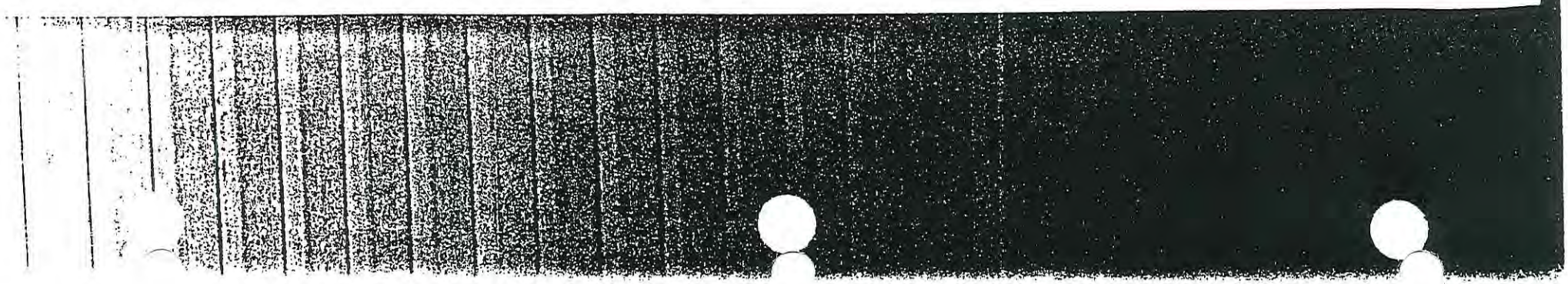
Remarks:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER _____
STORED/SHIPPED IN ICE Y/N
NO: _____

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER: _____



Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4103 DM

TASK ORDER NO. 0195 DM

CASE ID: SC001

LABORATORY ID: SLS

SDG ID:

SAMPLER NAME/SIGNATURE: Daniel Howard

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
3/4/96	1500 15 DM	H833-SB5001	H833-SB50	PØ	1.1-3.1	2	
↓	1515	H833-SB5003	H8335B50	DI	1.1-3.1	2	
	1520	H833-SB5002	H8335B50	PØ	8-10	2	
↓	—	TEMP Blank				1	

ANALYTICAL PARAMETERS/METHODS

Method No.	VOCS 8020	SVOC PAH 8100	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO 8015M	DRO 8015M		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		

Relinquished by: (Signature) Daniel L Howard — Date/Time: 3/4/96 1721

Received by: Beverly Neely B 81253 — Date/Time: 3/4/96 5:30 PM

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE Y/N

NO:

Item 23

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative Christine Hettinger FAX # 404/872-3161

SUBCONTRACTOR _____ PROJECT # 017618-4103

SAMPLE CUSTODIAN A. Campbell (B) 30-81282 TODAY'S DATE 3/6/96

DATE/TIME SAMPLES RECEIVED 3/5/96 5:35

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 3/6/96 TIME 8:30

CHAIN OF CUSTODY SEAL INTACT?	YES ☑	NO ☐
CHAIN OF CUSTODY PROVIDED?	YES ☑	NO ☐
SAMPLE LABELS PRESENT?	YES ☑	NO ☐
BOTTLE LABELS CORRESPOND W/COC?	YES ☐	NO ☐

TYPE OF COLLANT USED Ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN ✓

FROZEN _____

COOLER NUMBER		TEMP INSIDE COOLER
#	1	3.0
#	2	2.3
#		
#		
#		

RECORD TEMPERATURE BLANK (1) 3.0 (2) 2.3 (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, INTACT?)

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: H833-SB4001, SB4002, SB4003, SB4004, SB4401, SB4402, SB4403, SB4404, SB4801, SB4802, SB4803, SB4804, SB4805.

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF
PROJECT NO: 017618-4103
LABORATORY ID: SLS
SAMPLER NAME/SIGNATURE: Wayne Vermeyckuk

TASK ORDER NO. 015
CASE ID: SC001
SDG ID:

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
3/5/96	0832	HH33-SB4001		PO	1.5-3.5	2	Y
	0835	HH33-SB4002		PO	5-7	2	Y
	0850	HH33-SB4003		PO	13-15	2	Y
	1005	HH33-SB4004		PO	18-20	2	Y
	1033	HH33-SB4401		PO	1.5-3.5	2	Y
	1040	HH33-SB4402		PO	5-7	2	Y
	1055	HH33-SB4403		PO	13-15	2	Y
	1110	HH33-SB4404		PO	18-20	2	Y

ANALYTICAL PARAMETERS/METHODS

	VOCS	SVOC	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH				
Method No.	8020	8100						8151	8151		
	+	+						+	+		
	+	+						+	+		
	+	+						+	+		
	+	+						+	+		

Relinquished by: (Signature) Daniel L Howard — Date/Time: 3/5/96 1735
Received by: D. Samuel (B) — Date/Time: 3/5/96 1735

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER ____ STORED/SHIPPED IN ICE (Y)/N
NO: ____

RECEIVED
APR 3 1996
METCALF & EDDY, INC.

M&E
Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF
PROJECT NO: 017618-4103
LABORATORY ID: SLS
SAMPLER NAME/SIGNATURE: Wayne Vermerchuk

TASK ORDER NO. 015
CASE ID: SC001
SDG ID:

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*
3/5/96	1335	~~HA~~33SB4801		PO	1.5-3.5	2	Y
	1340	~~HA~~33-SB4802		PO	5-7	2	Y
	1400	~~HA~~33-SB4803		PO	13-15	2	Y
	1410	~~HA~~33-SB4804		PO	18-20	2	Y
↓	1410	~~HA~~33-SB4805		DI	18-20	2	Y

ANALYTICAL PARAMETERS/METHODS

	VOCS	SVOC	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	DRO	GRO		
Method No.	8020	8100						WSOS	WSOS		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		
	X	X						X	X		

Relinquished by: (Signature) David L Howard Date/Time: 3/5/96/1735
Received by: S. Samuel (B) Date/Time: 3/5/96 5:35

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):
(H) HCl/VOC,
(N) HNO3/METALS
(S) H2S04/
(O) OTHER
STORED/SHIPPED IN ICE (Y)/N
NO:

SAMPLE RECEIPT CONFIRMATION SUMMARY REPORT

Metcalf & Eddy

TO BE COMPLETED BY SUBCONTRACTOR SAMPLE CUSTODIAN FOR EACH SHIPMENT RECEIVED FROM METCALF & EDDY.
UPON COMPLETION, FAX TO THE DESIGNATED M&E REPRESENTATIVE LISTED BELOW SAME DAY AS SHIPMENT.

METCALF & EDDY Representative Christine Hetteyer FAX # 404/872-3161

SUBCONTRACTOR _____ PROJECT # 017618-4103

SAMPLE CUSTODIAN A. Campbell (A.C.) 316-8282 TODAY'S DATE 3/6/96

DATE/TIME SAMPLES RECEIVED 3/5/96 5:35

AIRBILL NUMBER _____ NO. OF COOLERS IN SHIPMENT 2

COOLER OPENED: DATE 3/6/96 TIME 8:30

CHAIN OF CUSTODY SEAL INTACT?	YES ☑	NO ☐
CHAIN OF CUSTODY PROVIDED?	YES ☑	NO ☐
SAMPLE LABELS PRESENT?	YES ☑	NO ☐
BOTTLE LABELS CORRESPOND W/COC?	YES ☐	NO ☐

TYPE OF COLLANT USED Ice

COOLANT CONDITION: MELTED _____ PARTIALLY MELTED/FROZEN ✓

FROZEN _____

COOLER NUMBER		TEMP INSIDE COOLER
#	1	3.0
#	2	2.3
#		
#		
#		

RECORD TEMPERATURE BLANK (1) 3.0 (2) 2.3 (3) _____

CONDITION OF BOTTLES IN SHIPMENT: (BROKEN, LEAKING, (INTACT?))

IF BROKEN OR LEAKING LIST SAMPLE ID#'S AND BOTTLE TYPES AFFECTED

LIST SAMPLE ID'S IN EACH SHIPMENT: HA33-SB0101, SB0102, SB0301, SB0302, SB0801, SB0802, SB0501, SB0503, SB0502, SB4901, SB4902, SB3701, SB3702, SB3703, SB3704.

Metcalf & Eddy

CHAIN - OF - CUST - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4103

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: Daniel Howard

TASK ORDER NO. 015

CASE ID: SC001

SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCs	SVOC PAH	METALS ICP IIg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
3/5/96	1032	H833-SB0502	H8335B05	PØ	7.3-9.3	2	N	X	X						X	X		
	1115	H833-SB4901	H8335B49	PØ	1.3-3.3	2	N	X	X						X	X		
	1125	H833-SB4902	H8335B49	PØ	6-8	2	N	X	X						X	X		
	1400	H833-SB3701	H8335B37	PØ	1.3-3.3	2	N	X	X						X	X		
	1415	H833-SB3702	H8335B37	PØ	3.3-5.3	2	N	X	X						X	X		
	1435	H833-SB3703	H8335B37	PØ	13-15	2	N	X	X						X	X		
	1455	H833-SB3704	H8335B37	PØ	18-20	2	N	X	X						X	X		
↓	—	TEMP Blank	3.0			1												

Relinquished by: (Signature) Daniel L Howard Date/Time: 3/5/96/1735 Received by: S Samuel (A) Date/Time: 3/6/96 0535

Remarks:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

STANDARD PRESERVATION (Y):

(H) HCl/VOC,
(N) HNO3/METALS
(S) H2SO4/
(O) OTHER
STORED/SHIPPED IN ICE Y/N

NO:

Metcalf & Eddy

CHAIN - OF - CUSTODY - RECORD

PROJECT NAME: Hunter AAF II

PROJECT NO: 017618-4103

LABORATORY ID: SLS

SAMPLER NAME/SIGNATURE: Daniel L Howard

TASK ORDER NO. 015

CASE ID: SC001

SDG ID:

ANALYTICAL PARAMETERS/METHODS

DATE	TIME MILITARY	FIELD SAMPLE ID	SITE ID	RES CODE	DEPTH (FT.)	NO. OF CONTS.	PRESERVATION STANDARD (Y/N)*	VOCs	SVOC PAH	METALS ICP Hg-CVAA GFAA	HERBICIDES	PESTICIDES	PCB	TPH	GRO	DRO		
Method No.								8020	8100						8015M	8015M		
3/5/96	0820	H833-SB0101	H8335B01	PØ	1.3-3.3	2	N	X	X						X	X		
	0830	H833-SB0102	H8335B01	PØ	7.3-9.3	2	N	X	X						X	X		
	0850	H833-SB0301	H8335B03	PØ	1.3-3.3	2	N	X	X						X	X		
	0900	H833-SB0302	H8335B03	PØ	7.3-9.3	2	N	X	X						X	X		
	0950	H833-SB0801	H8335B08	PØ	1.3-3.3	2	N	X	X						X	X		
	1000	H833-SB0802	H8335B08	PØ	7.3-9.3	2	N	X	X						X	X		
	1025	H833-SB0501	H8335B05	PØ	1.3-3.3	2	N	X	X						X	X		
↓	1025	H833-SB0503	H8335B05	D1	1.3-3.3	2	N	X	X						X	X		

Relinquished by: (Signature) Daniel Howard Date/Time: 3/5/96 1735

Received by: S. Donnel (A) Date/Time: 3/5/96 1735

Remarks: Use sample H833-SB0501 as MS/MSD also

STANDARD PRESERVATION (Y):
- (H) HCl/VOC,
- (N) HNO3/METALS
- (S) H2SO4/
- (O) OTHER

STORED/SHIPPED IN ICE (Y)/N

NO:

Send Results to:

Christine Hettinger
METCALF & EDDY, INC.
1201 Peachtree St., N.E.
400 Colony Square, Suite 1101
Atlanta, Georgia 30361
(404) 881-8010
(404) 872-3161 (FAX)

AIRBILL CO./NUMBER:

SAMPLING S JLE
HUNTER AAF
SAVANNAH GEORGIA

PROJECT NO.: 017618-4104
LABORATORY ID: SLS

TA)ER NO.: 019
CA . SC001

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH(FT)	SHIP DATE	ANALYSES VOC/8020	PAH/8100	GRO/8015MOD	DRO/8100MOD	COMMENTS/QA/QC SAMPLE TYPES
SOIL BORINGS												
H833-SB0101	H833SB01	P0	SOIL	3/5/96	820	3.3	3/5/96	X	X	X	X	
H833-SB0102	H833SB01	P0	SOIL	3/5/96	830	9.3	3/5/96	X	X	X	X	
H833-SB0201	H833SB02	P0	SOIL	2/27/96	1350	3.5	2/28/96	X	X	X	X	
H833-SB0202	H833SB02	P0	SOIL	2/27/96	1405	10	2/28/96	X	X	X	X	MS/MSD
H833-SB0203	H833SB02	P0	SOIL	2/27/96	1420	15	2/28/96	X	X	X	X	
H833-SB0204	H833SB02	P0	SOIL	2/27/96	1440	7	2/28/96	X	X	X	X	
H833-SB0301	H833SB03	P0	SOIL	3/5/96	850	3.3	3/5/96	X	X	X	X	
H833-SB0302	H833SB03	P0	SOIL	3/5/96	900	9.3	3/5/96	X	X	X	X	
H833-SB0401	H833SB04	P0	SOIL	2/27/96	1520	3.5	2/28/96	X	X	X	X	
H833-SB0402	H833SB04	P0/S1	SOIL	2/27/96	1530	10	2/28/96	X	X	X	X	SPLIT
H833-SB0501	H833SB05	P0	SOIL	3/5/96	1025	3.3	3/5/96	X	X	X	X	
H833-SB0502	H833SB05	P0	SOIL	3/5/96	1032	9.3	3/5/96	X	X	X	X	
H833-SB0503	H833SB05	D1	SOIL	3/5/96	1025	3.3	3/5/96	X	X	X	X	DUPLICATE
H833-SB0601	H833SB06	P0	SOIL	2/27/96	1630	3.5	2/28/96	X	X	X	X	
H833-SB0602	H833SB06	P0	SOIL	2/27/96	1650	10	2/28/96	X	X	X	X	
H833-SB0603	H833SB06	P0	SOIL	2/27/96	1700	15	2/28/96	X	X	X	X	
H833-SB0604	H833SB06	P0	SOIL	2/27/96	1705	20	2/28/96	X	X	X	X	
H833-SB0701	H833SB07	P0	SOIL	2/28/96	1135	3.3	2/28/96	X	X	X	X	
H833-SB0702	H833SB07	P0	SOIL	2/28/96	1150	9.3	2/28/96	X	X	X	X	
H833-SB0801	H833SB08	P0	SOIL	3/5/96	950	3.3	3/5/96	X	X	X	X	
H833-SB0802	H833SB08	P0	SOIL	3/5/96	1000	9.3	3/5/96	X	X	X	X	
H833-SB0901	H833SB09	P0/S1	SOIL	2/29/96	1615	3.5	2/29/96	X	X	X	X	SPLIT
H833-SB0902	H833SB09	P0	SOIL	3/4/96	1625	7	2/29/96	X	X	X	X	
H833-SB1001	H833SB10	P0	SOIL	2/28/96	834	3.5	2/28/96	X	X	X	X	
H833-SB1002	H833SB10	P0	SOIL	2/28/96	850	10	2/28/96	X	X	X	X	
H833-SB1003	H833SB10	P0	SOIL	2/28/96	917	15	2/28/96	X	X	X	X	
H833-SB1004	H833SB10	P0	SOIL	2/28/96	930	20	2/28/96	X	X	X	X	
H833-SB1005	H833SB10	D1	SOIL	2/28/96	930	20	2/28/96	X	X	X	X	DUPLICATE
H833-SB1101	H833SB11	P0	SOIL	2/28/96	1255	3.3	2/28/96	X	X	X	X	
H833-SB1102	H833SB11	P0	SOIL	2/28/96	1315	7.3	2/28/96	X	X	X	X	
H833-SB1201	H833SB12	P0	SOIL	2/28/96	1615	2	2/28/96	X	X	X	X	
H833-SB1202	H833SB12	P0	SOIL	2/28/96	1635	8	2/28/96	X	X	X	X	
H833-SB1301	H833SB13	P0	SOIL	2/28/96	1525	3.3	2/28/96	X	X	X	X	
H833-SB1302	H833SB13	P0	SOIL	2/28/96	1540	7.3	2/28/96	X	X	X	X	
H833-SB1401	H833SB14	P0/S1	SOIL	2/29/96	825	2	2/29/96	X	X	X	X	SPLIT
H833-SB1402	H833SB14	P0	SOIL	2/29/96	845	8	2/29/96	X	X	X	X	
H833-SB1501	H833SB15	P0	SOIL	2/29/96	1055	3.5	2/29/96	X	X	X	X	MS/MSD
H833-SB1502	H833SB15	P0	SOIL	2/29/96	1105	10	2/29/96	X	X	X	X	
H833-SB1503	H833SB15	D1	SOIL	2/29/96	1105	10	2/29/96	X	X	X	X	DUPLICATE
H833-SB1601	H833SB16	P0	SOIL	2/29/96	915	3.3	2/29/96	X	X	X	X	
H833-SB1602	H833SB16	P0	SOIL	2/29/96	930	7.3	2/29/96	X	X	X	X	
H833-SB1701	H833SB17	P0	SOIL	2/29/96	1125	3.5	2/29/96	X	X	X	X	
H833-SB1702	H833SB17	P0	SOIL	2/29/96	1135	10	2/29/96	X	X	X	X	
H833-SB1801	H833SB18	P0	SOIL	2/29/96	1025	3.3	2/29/96	X	X	X	X	

SAMPLING S ILE
HUNTER AAF
SAVANNAH GEORGIA

PROJECT NO.: 017618-4104
LABORATORY ID: SLS

TA ER NO.: 019
CA SC001

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH(FT)	SHIP DATE	ANALYSES VOC/8020	PAH/8100	GRO/8015MOD	DRO/8100MOD	COMMENTS/QA/QC SAMPLE TYPES
SOIL BORINGS												
H833-SB1802	H833SB18	P0	SOIL	2/29/96	1040	7.3	2/29/96	X	X	X	X	
H833-SB1901	H833SB19	P0/S1	SOIL	2/29/96	1000	3.5	2/29/96	X	X	X	X	SPLIT
H833-SB1902	H833SB19	P0	SOIL	2/29/96	1010	10	2/29/96	X	X	X	X	
H833-SB2001	H833SB20	P0	SOIL	2/29/96	1110	3.1	2/29/96	X	X	X	X	
H833-SB2002	H833SB20	P0	SOIL	2/29/96	1125	7.1	2/29/96	X	X	X	X	
H833-SB2003	H833SB20	D1	SOIL	2/29/96	1125	7.1	2/29/96	X	X	X	X	DUPLICATE
H833-SB2101	H833SB21	P0	SOIL	2/29/96	1535	3.5	2/29/96	X	X	X	X	
H833-SB2102	H833SB21	P0	SOIL	2/29/96	1545	10	2/29/96	X	X	X	X	
H833-SB2201	H833SB22	P0	SOIL	2/29/96	1345	3.3	2/29/96	X	X	X	X	
H833-SB2202	H833SB22	P0	SOIL	2/29/96	1416	9.3	2/29/96	X	X	X	X	
H833-SB2301	H833SB23	P0	SOIL	2/28/96	1100	3.5	2/28/96	X	X	X	X	MS/MSD
H833-SB2302	H833SB23	P0	SOIL	2/28/96	1120	10	2/28/96	X	X	X	X	
H833-SB2303	H833SB23	P0	SOIL	2/28/96	1145	15	2/28/96	X	X	X	X	
H833-SB2304	H833SB23	P0	SOIL	2/28/96	1200	20	2/28/96	X	X	X	X	
H833-SB2305	H833SB23	D1	SOIL	2/28/96	1200	20	2/28/96	X	X	X	X	DUPLICATE
H833-SB2401	H833SB24	P0	SOIL	2/29/96	1640	3.3	2/29/96	X	X	X	X	
H833-SB2402	H833SB24	P0	SOIL	2/29/96	1705	9.3	2/29/96	X	X	X	X	
H833-SB2501	H833SB25	P0	SOIL	2/29/96	1406	3.5	2/29/96	X	X	X	X	
H833-SB2502	H833SB25	P0	SOIL	2/29/96	1420	10	2/29/96	X	X	X	X	
H833-SB2503	H833SB25	D1	SOIL	2/29/96	1420	10	2/29/96	X	X	X	X	DUPLICATE
H833-SB2601	H833SB26	P0	SOIL	3/4/96	832	3.5	3/4/96	X	X	X	X	
H833-SB2602	H833SB26	P0/S1	SOIL	3/4/96	855	10	3/4/96	X	X	X	X	SPLIT
H833-SB2701	H833SB27	P0	SOIL	2/29/96	1440	1.5	2/29/96	X	X	X	X	
H833-SB2702	H833SB27	P0	SOIL	2/29/96	1450	10	2/29/96	X	X	X	X	
H833-SB2801	H833SB28	P0	SOIL	2/29/96	1505	3.2	2/29/96	X	X	X	X	
H833-SB2802	H833SB28	P0	SOIL	2/29/96	1525	7.2	2/29/96	X	X	X	X	MS/MSD
H833-SB2901	H833SB29	P0/S1	SOIL	2/28/96	1523	3.5	2/28/96	X	X	X	X	SPLIT
H833-SB2902	H833SB29	P0	SOIL	2/28/96	1540	10	2/28/96	X	X	X	X	
H833-SB2903	H833SB29	P0	SOIL	2/28/96	1555	15	2/28/96	X	X	X	X	
H833-SB2904	H833SB29	P0	SOIL	2/28/96	1603	20	2/28/96	X	X	X	X	
H833-SB3001	H833SB30	P0	SOIL	3/4/96	920	3.6	3/4/96	X	X	X	X	
H833-SB3002	H833SB30	P0	SOIL	3/4/96	935	10	3/4/96	X	X	X	X	
H833-SB3003	H833SB30	D1	SOIL	3/4/96	935	10	3/4/96	X	X	X	X	DUPLICATE
H833-SB3101	H833SB31	P0	SOIL	3/4/96	842	3.5	3/4/96	X	X	X	X	
H833-SB3102	H833SB31	P0	SOIL	3/4/96	855	10	3/4/96	X	X	X	X	
H833-SB3201	H833SB32	P0	SOIL	2/28/96	1630	3.5	2/28/96	X	X	X	X	
H833-SB3202	H833SB32	P0	SOIL	2/29/96	910	10	2/29/96	X	X	X	X	
H833-SB3203	H833SB32	P0	SOIL	2/29/96	920	15	2/29/96	X	X	X	X	
H833-SB3204	H833SB32	P0	SOIL	2/29/96	936	20	2/29/96	X	X	X	X	
H833-SB3301	H833SB33	P0/S1	SOIL	3/4/96	915	3.5	3/4/96	X	X	X	X	SPLIT
H833-SB3302	H833SB33	P0	SOIL	3/4/96	925	10	3/4/96	X	X	X	X	
H833-SB3401	H833SB34	P0	SOIL	3/4/96	1112	3.1	3/4/96	X	X	X	X	
H833-SB3402	H833SB34	P0/S1	SOIL	3/4/96	1152	8	3/4/96	X	X	X	X	SPLIT
H833-SB3501	H833SB35	P0	SOIL	3/4/96	1020	3.5	3/4/96	X	X	X	X	
H833-SB3502	H833SB35	P0	SOIL	3/4/96	1030	8	3/4/96	X	X	X	X	
H833-SB3503	H833SB35	D1	SOIL	3/4/96	1030	8	3/4/96	X	X	X	X	DUPLICATE

SAMPLING S /LE
HUNTER AAF ,.
SAVANNAH GEORGIA

PROJECT NO.: 017618-4104
LABORATORY ID: SLS

TA ER NO.: 019
CAS_ .. SC001

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH(FT)	SHIP DATE	ANALYSES				COMMENTS/QA/QC SAMPLE TYPES
								VOC/8020	PAH/8100	GRO/8015MOD	DRO/8100MOD	
SOIL BORINGS												
H833-SB3601	H833SB36	P0	SOIL	3/4/96	1152	3.3	3/4/96	X	X	X	X	MS/MSD
H833-SB3602	H833SB36	P0	SOIL	3/4/96	1200	8	3/4/96	X	X	X	X	
H833-SB3701	H833SB37	P0	SOIL	3/5/96	1400	3.3	3/5/96	X	X	X	X	
H833-SB3702	H833SB37	P0	SOIL	3/5/96	1415	5.3	3/5/96	X	X	X	X	
H833-SB3703	H833SB37	P0	SOIL	3/5/96	1435	15	3/5/96	X	X	X	X	
H833-SB3704	H833SB37	P0	SOIL	3/5/96	1455	20	3/5/96	X	X	X	X	
H833-SB3801	H833SB38	P0	SOIL	3/4/96	1230	3.3	3/4/96	X	X	X	X	
H833-SB3802	H833SB38	P0	SOIL	3/4/96	1240	5.3	3/4/96	X	X	X	X	
H833-SB3803	H833SB38	D1	SOIL	3/4/96	1230	3.3	3/4/96	X	X	X	X	DUPLICATE
H833-SB3901	H833SB39	P0	SOIL	3/4/96	1050	3.5	3/4/96	X	X	X	X	
H833-SB3902	H833SB39	P0/S1	SOIL	3/4/96	1055	8	3/4/96	X	X	X	X	SPLIT
H833-SB4001	H833SB40	P0	SOIL	3/5/96	832	3.5	3/5/96	X	X	X	X	
H833-SB4002	H833SB40	P0	SOIL	3/5/96	835	7	3/5/96	X	X	X	X	
H833-SB4003	H833SB40	P0	SOIL	3/5/96	850	15	3/5/96	X	X	X	X	
H833-SB4004	H833SB40	P0	SOIL	3/5/96	1005	20	3/5/96	X	X	X	X	
H833-SB4101	H833SB41	P0	SOIL	3/4/96	1347	3.5	3/4/96	X	X	X	X	MS/MSD
H833-SB4102	H833SB41	P0	SOIL	3/4/96	1350	7	3/4/96	X	X	X	X	
H833-SB4201	H833SB42	P0	SOIL	3/4/96	1350	3.3	3/4/96	X	X	X	X	
H833-SB4202	H833SB42	P0	SOIL	3/4/96	1400	8	3/4/96	X	X	X	X	
H833-SB4301	H833SB43	P0	SOIL	3/4/96	1505	3.5	3/4/96	X	X	X	X	
H833-SB4302	H833SB43	P0	SOIL	3/4/96	1510	7	3/4/96	X	X	X	X	
H833-SB4401	H833SB44	P0	SOIL	3/5/96	1033	3.5	3/5/96	X	X	X	X	
H833-SB4402	H833SB44	P0	SOIL	3/5/96	1040	7	3/5/96	X	X	X	X	SPLIT
H833-SB4403	H833SB44	P0	SOIL	3/5/96	1055	15	3/5/96	X	X	X	X	
H833-SB4404	H833SB44	P0/S1	SOIL	3/5/96	1110	20	3/5/96	X	X	X	X	
H833-SB4501	H833SB45	P0	SOIL	3/4/96	1415	2.5	3/4/96	X	X	X	X	
H833-SB4502	H833SB45	P0	SOIL	3/4/96	1420	7	3/4/96	X	X	X	X	
H833-SB4503	H833SB45	D1	SOIL	3/4/96	1420	7	3/4/96	X	X	X	X	DUPLICATE
H833-SB4601	H833SB46	P0	SOIL	3/4/96	1425	3.5	3/4/96	X	X	X	X	
H833-SB4602	H833SB46	P0	SOIL	3/4/96	1445	10	3/4/96	X	X	X	X	
H833-SB4701	H833SB47	P0	SOIL	3/4/96	1535	3.5	3/4/96	X	X	X	X	
H833-SB4702	H833SB47	P0	SOIL	3/4/96	1540	7	3/4/96	X	X	X	X	
H833-SB4801	H833SB48	P0	SOIL	3/5/96	1335	3.5	3/5/96	X	X	X	X	
H833-SB4802	H833SB48	P0	SOIL	3/5/96	1340	7	3/5/96	X	X	X	X	
H833-SB4803	H833SB48	P0	SOIL	3/5/96	1400	15	3/5/96	X	X	X	X	
H833-SB4804	H833SB48	P0	SOIL	3/5/96	1410	20	3/5/96	X	X	X	X	
H833-SB4805	H833SB48	D1	SOIL	3/5/96	1410	20	3/5/96	X	X	X	X	
H833-SB4901	H833SB49	P0/S1	SOIL	3/5/96	1115	3.3	3/5/96	X	X	X	X	SPLIT
H833-SB4902	H833SB49	P0	SOIL	3/5/96	1125	8	3/5/96	X	X	X	X	
H833-SB5001	H833SB50	P0	SOIL	3/4/96	1515	3.1	3/4/96	X	X	X	X	
H833-SB5002	H833SB50	P0	SOIL	3/4/96	1520	10	3/4/96	X	X	X	X	
H833-SB5003	H833SB50	D1	SOIL	3/4/96	1515	3.1	3/4/96	X	X	X	X	DUPLICATE

SAMPLING S ULE
HUNTER AAF
SAVANNAH GEORGIA

PROJECT No.:017618-4103
LAB ID: SLS
CASE ID: SC001

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH(FT)	SHIP DATE	ANALYSES				COMMENTS QA/QC SAMPLE TYPES
								VOC/8020	PAH/8100	GRO/8015MOD	DRO/8100MOD	
MONITORING WELLS SOIL BORINGS												
H833-WB0101	MW01	P0	SOIL	4/23/96	1530	7.2	4/23/96	X	X	X	X	
H833-WB0102	MW01	P0	SOIL	4/23/96	1550	15	4/23/96	X	X	X	X	
H833-WB0201	MW02	P0	SOIL	4/23/96	1325	5	4/23/96	X	X	X	X	
H833-WB0202	MW02	P0	SOIL	4/23/96	1405	15	4/23/96	X	X	X	X	
H833-WB0301	MW03	P0	SOIL	4/24/96	1035	5	4/24/96	X	X	X	X	
H833-WB0302	MW03	P0	SOIL	4/24/96	1045	10	4/24/96	X	X	X	X	
H833-WB0401	MW04	P0	SOIL	4/24/96	1605	7.3	4/24/96	X	X	X	X	
H833-WB0402	MW04	P0	SOIL	4/24/96	1605	10	4/24/96	X	X	X	X	
H833-WB0402	MW04	S1	SOIL	4/24/96	1605	10	4/24/96	X	X	X	X	SPLIT
H833-WB0501	MW05	P0	SOIL	4/25/96	825	10	4/25/96	X	X	X	X	
H833-WB0502	MW05	P0	SOIL	4/25/96	835	15	4/25/96	X	X	X	X	
H833-WB0503	MW05	D1	SOIL	4/25/96	835	15	4/25/96	X	X	X	X	DUPLICATE
H833-WB0601	MW06	P0	SOIL	4/25/96	925	3.25	4/25/96	X	X	X	X	
H833-WB0602	MW06	P0	SOIL	4/25/96	940	10	4/25/96	X	X	X	X	
H833-WB0701	MW07	P0	SOIL	4/29/96	820	3.3	4/29/96	X	X	X	X	
H833-WB0702	MW07	P0	SOIL	4/29/96	835	10	4/29/96	X	X	X	X	
H833-WB0801	MW08	P0	SOIL	4/24/96	915	7.25	4/24/96	X	X	X	X	
H833-WB0802	MW08	P0	SOIL	4/24/96	920	10	4/24/96	X	X	X	X	
H833-WB0901	MW09	P0	SOIL	4/24/96	1355	6.4	4/24/96	X	X	X	X	
H833-WB0901	MW09	S1	SOIL	4/24/96	1355	6.4	4/24/96	X	X	X	X	SPLIT
H833-WB0902	MW09	P0	SOIL	4/24/96	1415	15	4/24/96	X	X	X	X	
H833-WB1001	MW10	P0	SOIL	4/24/96	1515	4.4	4/24/96	X	X	X	X	
H833-WB1002	MW10	P0	SOIL	4/24/96	1525	10	4/24/96	X	X	X	X	
H833-WB1003	MW10	D1	SOIL	4/24/96	1515	4.4	4/24/96	X	X	X	X	DUPLICATE
H833-WB1101	MW11	P0	SOIL	4/23/96	810	5.33	4/23/96	X	X	X	X	
H833-WB1102	MW11	P0	SOIL	4/23/96	835	10	4/23/96	X	X	X	X	
H833-WB1201	MW12	P0	SOIL	4/22/96	1450	7.3	4/22/96	X	X	X	X	
H833-WB1202	MW12	P0	SOIL	4/22/96	1500	10	4/22/96	X	X	X	X	
H833-WB1301	MW13	P0	SOIL	4/22/96	1230	5.5	4/22/96	X	X	X	X	
H833-WB1302	MW13	P0	SOIL	4/22/96	1250	10	4/22/96	X	X	X	X	
H833-WB1401	MW14	P0	SOIL	4/22/96	1400	10	4/22/96	X	X	X	X	
H833-WB1402	MW14	P0	SOIL	4/22/96	1410	17	4/22/96	X	X	X	X	
H833-WB1402	MW14	S1	SOIL	4/22/96	1410	17	4/22/96	X	X	X	X	SPLIT
H833-WB1501	MW15	P0	SOIL	4/25/96	830	7.3	4/25/96	X	X	X	X	
H833-WB1502	MW15	P0	SOIL	4/25/96	840	10	4/25/96	X	X	X	X	
H833-WB1503	MW15	D1	SOIL	4/25/96	830	7.3	4/25/96	X	X	X	X	DUPLICATE
H833-WB1601	MW16	P0	SOIL	4/25/96	935	5.3	4/25/96	X	X	X	X	
H833-WB1602	MW16	P0	SOIL	4/25/96	950	10	4/25/96	X	X	X	X	

A MS/MSD WILL BE DESIGNATED FOR EVERY 20 SOIL SAMPLES

SAMPLING E ULE
HUNTER AAF
SAVANNAH GEORGIA

PROJECT No.:017618-4103
LAB ID: SLS
CASE ID: SC001

FIELD SAMPLE ID	SITE ID	RES CODE	MATRIX	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH(FT)	SHIP DATE	ANALYSES				COMMENTS QA/QC SAMPLE TYPES
								VOC/8020	PAH/8100	GRO/8015MOD	DRO/8100MOD	
MONITORING WELLS SOIL BORINGS												
H833-WB1701	MW17	P0	SOIL	4/22/96	1325	7.4	4/22/96	X	X	X	X	
H833-WB1702	MW17	P0	SOIL	4/22/96	1330	10	4/22/96	X	X	X	X	
H833-WB1801	MW18	P0	SOIL	4/23/96	955	5.3	4/23/96	X	X	X	X	
H833-WB1801	MW18	S1	SOIL	4/23/96	955	5.3	4/23/96	X	X	X	X	SPLIT
H833-WB1802	MW18	P0	SOIL	4/23/96	1015	10	4/23/96	X	X	X	X	
H833-WB1901	MW19	P0	SOIL	4/22/96	1620	10	4/22/96	X	X	X	X	
H833-WB1902	MW19	P0	SOIL	4/22/96	1630	15	4/22/96	X	X	X	X	
H833-WB2001	MW20	P0	SOIL	4/23/96	1140	10	4/23/96	X	X	X	X	
H833-WB2002	MW20	P0	SOIL	4/23/96	1145	15	4/23/96	X	X	X	X	
H833-WB2003	MW20	D1	SOIL	4/23/96	1145	15	4/23/96	X	X	X	X	DUPLICATE
H833-WB2101	MW21	P0	SOIL	4/23/96	815	7.25	4/23/96	X	X	X	X	
H833-WB2102	MW21	P0	SOIL	4/23/96	820	10	4/23/96	X	X	X	X	
H833-WB2201	MW22	P0	SOIL	4/23/96	935	5.25	4/23/96	X	X	X	X	
H833-WB2202	MW22	P0	SOIL	4/23/96	950	10	4/23/96	X	X	X	X	
H833-WB2301	MW23	P0	SOIL	4/23/96	1435	7.25	4/23/96	X	X	X	X	
H833-WB2302	MW23	P0	SOIL	4/23/96	1440	10	4/23/96	X	X	X	X	
H833-WB2401	MW24	P0	SOIL	4/23/96	1550	5.25	4/23/96	X	X	X	X	
H833-WB2401	MW24	S1	SOIL	4/23/96	1550	5.25	4/23/96	X	X	X	X	SPLIT
H833-WB2402	MW24	P0	SOIL	4/23/96	1600	10	4/23/96	X	X	X	X	
H833-WB2501	MW25	P0	SOIL	4/24/96	820	5.4	4/24/96	X	X	X	X	
H833-WB2502	MW25	P0	SOIL	4/24/96	840	10	4/24/96	X	X	X	X	
H833-WB2503	MW25	D1	SOIL	4/24/96	840	10	4/24/96	X	X	X	X	DUPLICATE
H833-WB2601	MW26	P0	SOIL	4/24/96	1000	7.3	4/24/96	X	X	X	X	
H833-WB2602	MW26	P0	SOIL	4/24/96	1005	10	4/24/96	X	X	X	X	
H833-WB2701	MW27	P0	SOIL	4/24/96	1340	5.3	4/24/96	X	X	X	X	
H833-WB2702	MW27	P0	SOIL	4/24/96	1355	10	4/24/96	X	X	X	X	
H833-WB2801	MW28	P0	SOIL	4/25/96	1415	6	4/25/96	X	X	X	X	
H833-WB2802	MW28	P0	SOIL	4/25/96	1435	15	4/25/96	X	X	X	X	
H833-WB2901	MW29	P0	SOIL	4/29/96	1510	3.3	4/29/96	X	X	X	X	
H833-WB2902	MW29	P0	SOIL	4/29/96	1525	10	4/29/96	X	X	X	X	
H833-WB2902	MW29	S1	SOIL	4/29/96	1525	10	4/29/96	X	X	X	X	SPLIT
H833-WB3001	MW30	P0	SOIL	4/29/96	1635	7.3	4/29/96	X	X	X	X	
H833-WB3002	MW30	P0	SOIL	4/29/96	1645	10	4/29/96	X	X	X	X	
H833-WB3003	MW30	D1	SOIL	4/29/96	1650	7.3	4/29/96	X	X	X	X	DUPLICATE
H833-WB3101	MW31	P0	SOIL	4/29/96	1005	5.5	4/29/96	X	X	X	X	
H833-WB3101	MW31	P0	SOIL	4/29/96	1030	10	4/29/96	X	X	X	X	
H833-WB3102	MW31	S1	SOIL	4/29/96	1030	10	4/29/96	X	X	X	X	SPLIT
H833-WB3201	MW32	P0	SOIL	4/29/96	1400	7.4	4/29/96	X	X	X	X	
H833-WB3202	MW32	P0	SOIL	4/29/96	1415	10	4/29/96	X	X	X	X	
H833-WB3203	MW32	D1	SOIL	4/29/96	1415	10	4/29/96	X	X	X	X	DUPLICATE

A MS/MSD WILL BE DESIGNATED FOR EVERY 20 SOIL SAMPLES

DATA QUALITY SUMMARY REPORT

Hunter Army Airfield
June 10, 1996

1.0 INTRODUCTION

Metcalf & Eddy , Inc. was contracted by the United States Army Corps of Engineers, Savannah District, to perform a site investigation at the former Hunter Army Airfield. The purpose of this investigation is to determine the extent of contamination present in the soil at this site.

Metcalf & Eddy, Inc. contracted with Savannah Laboratories to perform the required analyses of soil samples. The analytical data received was validated according to USEPA National Functional Guidelines for Organics Data Review and Inorganics Analysis. The following sections of this Data Quality Summary Report discuss the laboratory reporting, data validation, problems encountered and corrective actions as applied to the samples and data collected during this determination.

1.1 Field Samples and Analysis

The following report summarizes the validation findings of the samples included in the Sample Data Groups listed below.

SDG	*Date*	*Matrix*	*Samples*	*Field Duplicates*	*Trip Blanks*	*Equipment Blanks*
HAA25	04/22/96	SOIL	10	0	0	0
HAA26	04/23/96	SOIL	18	1	0	0
HAA27	04/24/96	SOIL	16	2	0	0
HAA28	04/25/96	SOIL	10	2	0	0
HAA29	04/29/96	SOIL	10	2	0	0

Samples were analyzed by Savannah Laboratories - Tallahassee, Florida using the following USEPA SW-846 Methods:

8015M	Gasoline Range Organics - (GRO)
8020	Volatile Aromatics
8100	Polynuclear Aromatic Hydrocarbons
8100M	Diesel Range Organics - (DRO)

Sixty-four soil samples, seven field duplicates and five MS/MSDs were analyzed by all the above methods. All soil sample results were reported on a dry weight basis.

All data was reviewed and validated under Modified USEPA National Functional Guidelines for Organic Review.

2.0 LABORATORY REPORTING

2.1 Laboratory Blanks

Laboratory blanks or method blanks are artificial samples prepared from the same matrix type as the samples to be analyzed. These blanks are taken through sample preparation and analyzed before the field samples to determine if the glassware, sample preparation or laboratory environment has contaminated the field samples.

All laboratory blanks for all methods of analysis of soils were free of contaminants.

2.2 Laboratory Control Samples (% Recovery)

Laboratory control samples are artificial samples prepared from the same matrix type as the samples to be analyzed. These samples are processed through sample preparation and analyzed to assess the performance of each analytical system that the laboratory using to analyze the field samples.

All laboratory control samples for all methods of analysis of soils were within required control limits.

2.3 Precision (% RPD)

Laboratory precision is evaluated by calculating the relative percent difference (RPD) between the values reported for a matrix spiked sample (MS) and its duplicate, the matrix spiked duplicate (MSD), or any other set of duplicate parameters. The following equation is utilized for this calculation:

$$\text{RPD} = \frac{|Vs - Vd|}{[Vs + Vd] / 2} \times 100$$

Where *Vs* is the value reported for the matrix spiked sample (MS) and *Vd* is the value reported for it's duplicate (MSD). Sample RPDs are compared to the analyzing laboratory's precision control limits which are primarily derived from their in-house quality control data.

RPDs for all methods of analysis for all spiked samples were within required control limits with the exception of one sample analyzed for polynuclear aromatic hydrocarbons, one sample analyzed for gasoline range organics (GRO) and one sample analyzed for diesel range organics (DRO).

RPDs of field duplicates for all methods of analysis of soils were within the required control limits with the exception of three samples analyzed for volatile aromatics, one sample analyzed for polynuclear aromatic hydrocarbons, two samples analyzed for gasoline range organics (GRO) and one sample analyzed for diesel range organics (DRO).

2.4 Surrogate Recovery

Surrogates are compounds similar to analytes of interest but are not normally found in environmental samples. Prior to sample preparation and analysis, surrogates are spiked into laboratory control samples, calibration and check standards, matrix spiked samples and field samples. Accuracy is measured by calculating percent recoveries for each surrogate as follows:

$$\%R = \frac{\text{Concentration of spike found}}{\text{Concentration of spike added}} \times 100$$

Slightly low surrogate recoveries were exhibited for 23%, and slightly high recoveries were exhibited for 9% of the volatile analyses. Zero recovery due to required dilutions was exhibited on another 14% of the surrogate recoveries for the volatile analyses. For semivolatiles, 3% of the samples exhibited low surrogate recoveries and one sample exhibited zero recovery due to a required dilution.

2.5 Holding Time

Holding time is the storage time allowed between sample collection and sample analysis when the designated preservation and storage techniques are employed.

All samples were within required holding times for all methods of analysis with the exception of two volatile samples from, (H833-MWB2901 and H833-MWB3001) which were less than 5 hours out of holding time. One of these soil samples was non-detect for volatiles. Professional judgment precludes the qualification of these non-aqueous samples due to marginal exceedance of holding time.

2.6 Temperature

Cooler receipts indicate that the laboratory received all samples at the correct temperature.

3.0 DATA VALIDATION

The objective when evaluating the quality of chemical data is to determine its useability. The evaluation is based upon the interpretation of the laboratory QC data, the field QC data, and the project Data Quality Objectives (DQOs). The evaluation process is often termed "data validation".

3.1 Laboratory Data Validation

Laboratory data were evaluated to assess , holding times, laboratory blanks, laboratory control samples, surrogate recoveries, and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). These criteria were used to evaluate the bias and precision of the data generated by the laboratory. The bias of the laboratory data was assessed through consideration of the following:

- Adherence to the prescribed method
- Recovery of MS/MSD from field samples
- Method blank contamination
- Adherence to sample preparation and holding times
- Recovery of surrogate spikes
- Field duplicate precision

3.2 Definition of Data Qualifiers

During the data validation process, all laboratory data had to be evaluated and assigned a data qualifier, as applicable. These qualifiers are defined in the 1991 EPA document titled, "National Functional Guidelines for Organic Data Review." The guidance also describes procedures to be followed when qualifying data. The data qualifiers are defined as follows:

When the compound was analyzed for, but was not detected above the level of the associated value, a "U" was used to flag the compounds. A flag of "J" is usually used when the associated value is an estimated quantity. Data flagged with "R" are unusable. In some cases the flag "UJ" may be used to mean that the compound was analyzed for, but was not detected, and the associated value is an estimate and may be inaccurate or imprecise. Data qualifier flags were not assigned to data that were totally in compliance with Quality Control requirements.

For organic data, specifically VOCs, the positive and undetected (U) results were qualified as estimated (J/UJ) if one surrogate compound was detected outside acceptable recovery limits and/or the recovery was greater than 10 percent. If the recoveries of one surrogate compound were less than 10 percent, then the positive results were qualified as estimated (J) and the undetected results were rejected (R).

Results of SVOC are validated in the same manner as VOC except that qualifiers are applied to results with two or more surrogate compounds detected outside the acceptable recovery limits for each fraction (acid and base neutral extractable compounds).

3.3 Qualified Results

Volatile Aromatics - Two matrix spiked soil samples exhibited matrix spike recoveries above control limits for benzene and one matrix spiked sample exhibited matrix spike recovery above control limits for toluene. All associated detects were qualified as estimated (J). All slightly low surrogate recoveries for volatile aromatics were qualified as estimated (J) for detects, and (UJ) for non-detects. All slightly high surrogate recoveries for volatile aromatics were qualified as estimated (J) for detects, non-detects were not qualified.

Polynuclear Aromatic Hydrocarbons - All matrix spiked soil samples were within the required control limits.
All low surrogate recoveries were qualified as estimated (J) for detects, and (UJ) for non-detects. All zero surrogate recoveries that were lost due to required dilutions were qualified as estimated (J) for detects, non-detects were not qualified.

Gasoline Range Organics - (GRO) - Three matrix spiked soil samples exhibited matrix spike recoveries below required control limits. All associated detects were qualified as estimated (J), non-detects as (UJ). One matrix spike exhibited zero recovery due to a required dilution. All associated samples were qualified as estimated (J) for detects, and (UJ) for non-detects.
All slightly low surrogate recoveries for GRO were qualified as estimated (J) for detects, and (UJ) for non-detects. All slightly high surrogate recoveries for GRO were qualified as estimated (J) for detects, non-detects were not qualified.

Diesel Range Organics - (DRO) - One matrix spiked soil sample exhibited matrix spike recovery below control limits for DRO. All associated detects were qualified as estimated (J), non-detects as (UJ).
All slightly low surrogate recoveries for DRO were qualified as estimated (J) for detects, and (UJ) for non-detects

4.0 PROBLEMS ENCOUNTERED

The problems encountered during sample analysis for this investigation are described in detail below. Analytical data that did not meet the QC requirements were qualified as stated in **Section 3.3**.

4.1 Holding Times

The volatile soil samples, (H833-WB2901 and H833-WB3001), marginally exceeded holding time due to required dilution and reanalysis. These results did not require qualification and therefore have no effect on any conclusions related to this data.

4.2 Surrogate Recovery

Volatile Aromatics - Four samples exhibited slightly high surrogate recoveries. Four samples exhibited 0% surrogate recovery for trifluorotoluene because the sample required dilution prior to analysis.

Polynuclear Aromatic Hydrocarbons - One sample exhibited 0% surrogate recovery for 2-fluorobiphenyl because the sample required dilution prior to analysis.

Gasoline Range Organics - (GRO) - Fourteen samples exhibited slightly low surrogate recoveries. Two samples exhibited slightly high surrogate recoveries. Five samples exhibited 0% surrogate recovery for trifluorotoluene because the sample required dilution prior to analysis.

Diesel Range Organics - (DRO) - Two samples exhibited slightly low surrogate recoveries.

4.3 Precision (% RPD)

Polynuclear Aromatic Hydrocarbons - One matrix spiked soil sample exhibited matrix spike precision above control limits for benzo(a)pyrene and pyrene.

Gasoline Range Organics - (GRO) - One matrix spiked soil sample exhibited matrix spike precision above control limits for GRO.

Diesel Range Organics - (DRO) - One matrix spiked soil sample exhibited matrix spike precision above control limits for DRO.

4.4 Field Duplicates

In addition to the matrix spike sample, field duplicates were collected to assess sampling precision. Seven duplicate samples were collected at a frequency of approximately 10%, one for every ten field samples (rounded up), per matrix, per site, per sampling event. Field duplicates were within quality control RPD limits for 97% of the parameters analyzed. Sample duplicate precision is indicative that these data are comparable and representative of field conditions.

4.5 Equipment Rinsates

Equipment rinsates were not sampled during this investigation.

4.6 Laboratory Blanks

All laboratory blanks were analyzed and found to be free of contaminants.

4.7 Laboratory Control Standards

All laboratory control standards were within required control limits.

5.0 SUMMARY OF DATA QUALITY

The amount of data obtained compared to the amount of data that was expected to be obtained is enough to achieve the goal of $>95\%$ completeness. The results of the data validation indicate the quality of the data is within QC limits and is acceptable to verify or deny any contamination present in the soil at this site.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL SAMPLES FROM MONITORING WELL LOCATIONS

Date: 06/05/96

CONSTITUENT		SITE	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03
		SAMPLE ID	H833-WB0101	H833-WB0102	H833-WB0201	H833-WB0202	H833-WB0301	H833-WB0302
		DATE	04/23/96	04/23/96	04/23/96	04/23/96	04/24/96	04/24/96
		DEPTH (ft)	7.20	15.00	5.00	15.00	5.00	10.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/kg)		<5.4	<6.2	5.6	23000	7.3 J	<6.1
Ethylbenzene	(ug/kg)		<5.4	<6.2	<5.5	2200	<5.3	<6.1
Toluene	(ug/kg)		<5.4	<6.2	<5.5	1700	<5.3	<6.1
Xylene (total)	(ug/kg)		<5.4	<6.2	<5.5	2500	6.6	<6.1
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<360	<410	<360	<410	<350	<400
Acenaphthylene	(ug/kg)		<360	<410	<360	<410	<350	<400
Benzo(a)pyrene	(ug/kg)		<360	<410	<360	<410	<350	<400
Benzo(b,k)fluoranthene	(ug/kg)		<360	<410	<360	<410	<350	<400
Benzo(ghi)perylene	(ug/kg)		<360	<410	<360	<410	<350	<400
Chrysene + Benzo(a)anthracene	(ug/kg)		<360	<410	<360	<410	<350	<400
Fluoranthene	(ug/kg)		<360	<410	<360	<410	<350	<400
Fluorene	(ug/kg)		<360	<410	<360	<410	<350	<400
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<360	<410	<360	<410	<350	<400
Naphthalene	(ug/kg)		<360	<410	<360	<410	<350	<400
Phenanthrene + Anthracene	(ug/kg)		<360	<410	<360	<410	<350	<400
Pyrene	(ug/kg)		<360	<410	<360	<410	<350	<400
1-Methylnaphthalene	(ug/kg)		<360	<410	<360	<410	<350	<400
2-Methylnaphthalene	(ug/kg)		<360	<410	<360	<410	<350	<400
			---	---	---	---	---	---
GRO	(mg/kg)		<0.20	<0.22	<0.20	680	<0.19 J	<0.22
DRO	(mg/kg)		<11	<12	<11	13	<11	<12

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL SAMPLES FROM MONITORING WELL LOCATIONS

Date: 06/05/96

CONSTITUENT		SITE	MW-04	MW-04	MW-05	MW-05	MW-05	MW-06
		SAMPLE ID	H833-WB0401	H833-WB0402	H833-WB0501	H833-WB0502	H833-WB0503	H833-WB0601
		DATE	04/24/96	04/24/96	04/25/96	04/25/96	04/25/96	04/25/96
		DEPTH (ft)	7.30	10.00	10.00	15.00	15.00	3.25
		RESULT TYPE	Primary	Primary	Primary	Primary	Duplicate	Primary
Benzene	(ug/kg)		<5.6	<6.0	<5600	7.7 J	<31	<5.4
Ethylbenzene	(ug/kg)		<5.6	<6.0	13000 J	27 J	70	33
Toluene	(ug/kg)		<5.6	<6.0	12000 J	<6.2	70	<5.4
Xylene (total)	(ug/kg)		<5.6	<6.0	28000 J	9.0 J	270	130
			---	---	---	---	---	---
Acenaphthene	(ug/kg)		<370	<390	<360	<410	<400	<360
Acenaphthylene	(ug/kg)		<370	<390	<360	<410	<400	<360
Benzo(a)pyrene	(ug/kg)		<370	<390	<360	<410	<400	<360
Benzo(b,k)fluoranthene	(ug/kg)		<370	<390	<360	<410	<400	<360
Benzo(ghi)perylene	(ug/kg)		<370	<390	<360	<410	<400	<360
Chrysene + Benzo(a)anthracene	(ug/kg)		<370	<390	<360	<410	<400	<360
Fluoranthene	(ug/kg)		<370	<390	<360	<410	<400	<360
Fluorene	(ug/kg)		<370	<390	<360	<410	<400	<360
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr	(ug/kg)		<370	<390	<360	<410	<400	<360
Naphthalene	(ug/kg)		<370	<390	<360	<410	<400	<360
Phenanthrene + Anthracene	(ug/kg)		<370	<390	<360	<410	<400	<360
Pyrene	(ug/kg)		<370	<390	<360	<410	<400	<360
1-Methylnaphthalene	(ug/kg)		<370	<390	<360	<410	<400	<360
2-Methylnaphthalene	(ug/kg)		<370	<390	<360	<410	<400	<360
			---	---	---	---	---	---
GRO	(mg/kg)		<0.20 J	<0.21	2900 J	35 J	8.1	2.2 J
DRO	(mg/kg)		<11	<12	11	<12	<12	<11

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

J = The reported quantitaion limit is estimated.

HUNTER ARMY AIRFIELD
PRIMARY RESULTS
SOIL SAMPLES FROM MONITORING WELL LOCATIONS

Date: 06/05/96

CONSTITUENT	SITE		MW-06	MW-07	MW-07	MW-08	MW-08	MW-09
	SAMPLE ID		H833-WB0602	H833-WB0701	H833-WB0702	H833-WB0801	H833-WB0802	H833-WB0901
	DATE		04/25/96	04/29/96	04/29/96	04/24/96	04/24/96	04/24/96
	DEPTH (ft)		10.00	3.30	10.00	7.25	10.00	6.40
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary	Primary
Benzene		(ug/kg)	<12000	<5.4	<5.8	<5.4	28000 J	<5.4
Ethylbenzene		(ug/kg)	23000 J	<5.4	<5.8	<5.4	5100 J	<5.4
Toluene		(ug/kg)	<12000	<5.4	<5.8	<5.4	<5000	<5.4
Xylene (total)		(ug/kg)	44000 J	<5.4	<5.8	<5.4	10000 J	<5.4
			---	---	---	---	---	---
Acenaphthene		(ug/kg)	<400	<360	<380	<360	<370	<350
Acenaphthylene		(ug/kg)	<400	<360	<380	<360	<370	<350
Benzo(a)pyrene		(ug/kg)	<400	<360	<380	460	<370	<350
Benzo(b,k)fluoranthene		(ug/kg)	<400	<360	<380	940	<370	<350
Benzo(ghi)perylene		(ug/kg)	<400	<360	<380	<360	<370	<350
Chrysene + Benzo(a)anthracene		(ug/kg)	<400	<360	<380	430	<370	<350
Fluoranthene		(ug/kg)	<400	<360	<380	400	<370	<350
Fluorene		(ug/kg)	<400	<360	<380	<360	<370	<350
Indeno(1,2,3-cd)pyrene + Dibenzo(a,h)anthr		(ug/kg)	<400	<360	<380	<360	<370	<350
Naphthalene		(ug/kg)	<400	<360	<380	<360	<370	<350
Phenanthrene + Anthracene		(ug/kg)	<400	<360	<380	<360	<370	<350
Pyrene		(ug/kg)	<400	<360	<380	540	<370	<350
1-Methylnaphthalene		(ug/kg)	<400	<360	<380	<360	<370	<350
2-Methylnaphthalene		(ug/kg)	<400	<360	<380	<360	<370	<350
			---	---	---	---	---	---
GRO		(mg/kg)	6400 J	<0.20	<0.21	<0.20 J	1.1 J	<0.19 J
DRO		(mg/kg)	<12	15	<12	13	<11	<11

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

METHODS: EPA 8020, 8100, 8100 modified, 8015 modified.

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