03.13-08/22/96-01711

FINAL

REMEDIAL INVESTIGATION REPORT
OPERABLE UNIT NO. 6
(SITE 36)

MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

CONTRACT TASK ORDER 0303
APPENDICES A-K
VOLUME II
AUGUST 22, 1996

Prepared For:

DEPARTMENT OF THE NAVY
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APPENDIX A
TEST BORING RECORDS

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-BB-SB01
COORDINATES: EAST: 2466452.5408 NORTH: 361760.4660
ELEVATION: SURFACE: 16.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 7.0	Sunny & warm	5.0	1325
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
1	1.0	D-N		00	0.5/0.1	SILT, some clay & fine sand; dark brown; damp	1.0	15.10
2 3	3.0	S-1	2.0 100%		0.1/0.1	SAND (fine), some silt, trace to little clay, no to trace coal fragments; dark brown to brown; damp to moist		
4 5	5.0	S-2	1.4 70%	02	0.1/0.1	wet - GROUNDWATER @ 5.0 FT	5.0	11.10
6 7	7.0	S-3	1.0 50%		0.1/0.1	CLAY, trace silt & roots; gray & brown; mottled; damp	7.0	9.10
8 9 10						BOH @ 7.0 FT.		

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-BB-SB01 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-BB-SB02
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: None used - hand sampled	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	--	??	1" ID	2/23/95	0.0 - 7.0	Sunny & warm	5.0	1451
LENGTH	--	3.0'	3.0'					
TYPE	--	Hand	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.1	SAND (fine), little silt, trace roots; dark gray; damp — 1.0	
2 – 3.0	S-1	2.0 100%		0.1/0.1	SILT, little clay; brown; mottled; damp — 3.6	
4 – 5.0	S-2	2.0 100%	02	0.1/0.1	CLAY, some silt, trace fine sand; gray damp — 5.0	
6 – 7.0	S-3	2.0 100%		0.1/0.1	SAND (fine), little to some silt; gray wet - GROUNDWATER @ 5.0FT — 6.5	
8					CLAY, trace silt & fine sand; gray & orange; mottled; damp — 7.0	
9					BOH @ 7.0 FT.	
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-BB-SB02 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-BB-SB03
COORDINATES: EAST: 2466323.0895 NORTH: 362251.6494
ELEVATION: SURFACE: 19.00

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/25/95	0.0 - 7.0	Sunny & mild	5.0	1202
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.3/0.2	SAND (fine), some silt, trace coarse sand & gravel; dk brown; damp 1.0	
2 – 3.0	S-1	1.8 90%		0.2/0.2	SILT, some clay, little fine sand; brown & gray; damp 3.5	
4 – 5.0	S-2	1.7 85%	02	0.2/0.2	SAND (fine), some silt, trace clay; gray; damp to moist	
6 – 7.0	S-3	2.0 100%		0.0/0.0	wet - GROUNDWATER @ 5.0 FT 7.0	
8 – 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-BB-SB03 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-DAB-SB01
COORDINATES: EAST: 2467917.3209 NORTH: 361684.7814
ELEVATION: SURFACE: 4.00

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 5.0	Sunny & mild	5.0	1145
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, little roots; brown; damp	
2 – 3.0	S-1	1.6 80%	01	0.2/0.1	trace clay; no roots; dark brown; damp to moist	
4 – 5.0	S-2	1.0 50%		0.1/0.1	gray; moist to wet GROUNDWATER @ 5.0 FT	
5					5.0	-1.00
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-DAB-SB01 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-DAB-SB02
COORDINATES: EAST: 2467906.4058 NORTH: 361693.0392
ELEVATION: SURFACE: 3.00

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 9.0	Sunny & mild	5.0	1046
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.3/0.1	SAND (fine), some silt, little clay, trace rock fragments & debris; brown; moist	
2 – 3.0	S-1	1.6 80%		0.1/0.1	no clay, trace coarse sand & glass; dark brown; moist	
4 – 5.0	S-2	1.7 85%	02	0.1/0.1	trace clay & wood; moist to wet GROUNDWATER @ 5.0 FT	
					5.6	-2.60
6 – 7.0	S-3	2.0 100%		0.1/0.1	PEAT & WOOD, trace leaves & roots; dark brown; moist	
8 – 9.0	S-4	1.1 55%		0.1/0.1		
					9.0	-6.00
10					BOH @ 9.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-DAB-SB02 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-DAB-SB03
COORDINATES: EAST: 2467923.7503 NORTH: 361697.6333
ELEVATION: SURFACE: 3.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 7.0	Sunny & mild	4.0	1320
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt & debris; dark brown; moist	
2 – 3.0	S-1	1.8 90%	01	0.1/0.1	little clay, trace glass; gray; damp	
3.6						-0.50
4 – 5.0	S-2	2.0 100%		0.1/0.1	PEAT & WOOD; dark brown; moist to wet GROUNDWATER @ 4.0 FT	
6 – 7.0	S-3	1.5 75%		0.1/0.1		
7.0						-3.90
8 – 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-DAB-SB03 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-DAD-SB03
COORDINATES: EAST: 2467723.9811 NORTH: 361681.3606
ELEVATION: SURFACE: 2.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 7.0	Sunny & cool	1.0	0857
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.3/0.1	SAND (fine), some silt, trace clay & gravel; moist	
2 — 3.0	S-1	1.1 55%		0.1/0.1	trace debris & roots; wet GROUNDWATER @ 1.0 FT — 3.0	-0.90
4 — 5.0	S-2	0.8 40%		0.2/0.1	PEAT & WOOD; wet	
6 — 7.0	S-3	0.7 35%		0.1/0.1	— 7.0	-4.90
8 — 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-DAD-SB03 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB01
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 9.0	Sunny & warm	9.0	1628
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.0	SILT, little clay, trace fine to med. sand; dark brown; damp (1.0)	
2 – 3.0	S-1	2.0 100%		0.1/0.1	SILTY CLAY, trace coarse sand; brown hard; damp (3.1)	
4 – 5.0	S-2	2.0 100%		0.0/0.0	CLAY, little silt; olive drab & orange; mottled; damp	
6 – 7.0	S-3	2.0 100%		0.0/0.0	trace roots (6.8)	
8 – 9.0	S-4	2.0 100%	04	0.1/0.1	SAND (fine), some silt, little to trace clay; brown; damp to moist (wet @ 8.8 ft) GROUNDWATER @ 9.0 FT (9.0)	
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB01 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB02
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 11.0	Sunny & mild	8.6	1310
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.2	SAND (fine), some silt, trace clay; brown to gray; moist — 1.0	
2 – 3.0	S-1	0.9 45%		0.6/0.2	CLAY, some silt, trace to some fine sand (increasing w/ depth), trace wood; mottled; damp	
4 – 5.0	S-2	0.0 0%			No recovery	
6 – 7.0	S-3	2.0 100%		0.0/0.0		
8 – 9.0	S-4	1.5 75%	04	0.0/0.0	8.6	
10	S-5	--		--	SAND (fine), some silt, trace clay; brown and gray; wet — 9.0 SAND (fine to med.), some silt, trace coarse — Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB02 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303
BORING NO.: 36-FCA-SB02

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 sand; brown; wet - GROUNDWATER @ 8.6 FT	
12						BOH @ 11.0 FT.	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps
OPERATOR: Art Carion
BAKER REP.: Mark DeJohn
BORING NO.: 36-FCA-SB02

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB03
COORDINATES: EAST: 2466642.1249 NORTH: 361472.3530
ELEVATION: SURFACE: 11.70

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 7.0	Sunny & cool	5.0	0803
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.3/0.3	CLAY, some silt, trace fine sand; black & brown; moist — 1.0	10.70
2 — 3.0	S-1	1.6 80%		0.1/0.1	CLAY, some silt, trace roots; gray & orange; mottled; damp — 2.0	9.70
					SILT, some clay, trace fine sand; gray to brown & gray; mottled	
4 — 5.0	S-2	2.0 100%	02	0.3/0.3	wet - GROUNDWATER @ 5.0 FT, in a 0.5 ft thick clayey sand layer	
6 — 7.0	S-3	2.0 100%		0.3/0.3	damp; iron staining in root traces — 7.0	4.70
8					BOH @ 7.0 FT.	
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB03 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB04
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/25/95	0.0 - 7.0	Sunny & mild	5.0	1354
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, little clay; brown; moist	
2 – 3.0	S-1	1.7 85%		0.1/0.1	moist to wet 2.0 CLAY, trace silt; brown & gray; mottled; damp 3.0	
4 – 5.0	S-2	2.0 100%	02	0.2/0.1	CLAY, some fine sand, little silt; brown & gray; mottled; moist (amt. of sand increasing w/ depth) 4.8	
6 – 7.0	S-3	1.2 60%		0.1/0.1	SAND (fine to med), some silt, little clay; brown; wet - GROUNDWATER @ 5.0 FT 7.0	
8 – 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB04 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB05
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 7.0	Sunny & warm	6.1	1433
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.3/0.0	CLAY, little silt; brown; mottled; moist to wet	
2 – 3.0	S-1	2.0 100%		0.1/0.1	2.0 SANDY CLAY, some silt; brown & gray; mottled; damp	
4 – 5.0	S-2	2.0 100%	02			
6 – 7.0	S-3	1.9 95%		0.0/0.0	6.1 SAND (fine to med), little silt, trace clay; gray; wet 7.0	
8					GROUNDWATER @ 6.1 FT	
					BOH @ 7.0 FT	
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB05 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB06
COORDINATES: EAST: 2466714.0132 NORTH: 361487.4820
ELEVATION: SURFACE: 10.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 9.0	Sunny & cool	8.0	0912
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.2	CLAY, trace to little silt & fine sand; red, orange, & gray; mottled; damp w/ 0.3 ft layers of silty clay @ 1-3 ft	
2 – 3.0	S-1	2.0 100%		0.0/0.0		
4 – 5.0	S-2	1.9 95%		0.1/0.1		
6 – 7.0	S-3	2.0 100%	03			
8 – 9.0	S-4	1.5 75%		0.1/0.1	8.0	2.60
9 – 10					SAND (fine to med.), some silt, trace clay; dark gray; wet 9.0 GROUNDWATER @ 9.0 FT BOH @ 9.0 FT.	1.60

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB06 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB07
COORDINATES: EAST: 2466730.7388 NORTH: 361658.5140
ELEVATION: SURFACE: 10.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 5.0	Sunny & mild	3.0	1613
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.2/0.1	SAND (fine), some silt, little roots; dark brown; damp to wet — 1.6	9.30
2 — 3.0	S-1	1.3 65%	01	0.8/0.1	CLAY, some silt, trace roots; mottled; damp — 3.0	7.90
4 — 5.0	S-2	1.5 75%		0.1/0.1	SAND (fine), some silt & clay; brown & gray; wet GROUNDWATER @ 3.0 FT — 5.0	5.90
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB07 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB08
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 5.0	Sunny & warm	3.0	1338
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.1/0.1	SAND (fine), some silt & clay; brown moist — 1.0	
2 — 3.0	S-1	1.9 95%	01	0.1/0.1	CLAY, some silt, little fine sand; brown & gray; mottled; moist — 1.8 SAND (fine), some silt, little clay brown & gray; mottled; moist — 3.0	
4 — 5.0	S-2	1.6 80%		0.2/0.1	SAND (fine to med.), some silt, little clay brownish-gray; wet GROUNDWATER @ 3.0 FT — 5.0	
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB08 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB09
COORDINATES: EAST: 2466770.5137 NORTH: 361495.2671
ELEVATION: SURFACE: 10.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 7.0	Sunny & mild	5.0	1718
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1		
2 – 3.0	S-1	0.8 40%		0.3/0.2	CLAY, little silt; brown & gray; mottled; damp — 3.0	7.60
4 – 5.0	S-2	2.0 100%	02	--	SAND (fine) some silt & clay; red & gray; damp — 4.8	5.80
6 – 7.0	S-3	2.0 100%		0.2/0.2	SAND (fine to med.), some silt, trace clay; brown; wet GROUNDWATER @ 5.0 FT — 7.0	3.60
8 – 10					BOH @ 7.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB09 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB10
COORDINATES: EAST: 2466794.7749 NORTH: 361671.0721
ELEVATION: SURFACE: 14.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 7.0	Sunny & mild	5.0	1417
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 / 1.0	D-N		00	0.2/0.1	SILTY SAND, little roots; dark brown; damp 1.0	13.90
2 / 3 / 3.0	S-1	0.8 40%		0.1/0.1	SAND (fine), some silt, trace clay; light brown; damp 3.0	11.90
4 / 5 / 5.0	S-2	2.0 100%	02	0.1/0.1	SAND (fine to med.), little silt gray; moist 4.8	10.10
6 / 7 / 7.0	S-3	2.0 100%		0.2/0.1	CLAY, some fine sand & silt; gray, brown, & red; damp to moist alternating with SAND (fine to med.), little silt; gray, brown, & red; wet GROUNDWATER @ 5.0 FT 7.0	7.90
8 / 9 / 10					BOH @ 7.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB10 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB11
COORDINATES: EAST: 2466828.9600 NORTH: 361508.6311
ELEVATION: SURFACE: 11.20

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 7.0	Sunny & cool	6.4	1004
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.2/0.2	SILT, some clay, trace fine sand & roots; brown & gray; damp — 1.0	10.20
2 — 3.0	S-1	2.0 100%		0.1/0.1	CLAY, trace silt; gray w/ iron stained root traces; damp — 2.7	8.50
4 — 5.0	S-2	2.0 100%		0.1/0.1	SAND (fine), some silt & clay; gray w/ iron stained root traces; moist — 6.4	4.80
6 — 7.0	S-3	2.0 100%	03	0.2/0.2	SAND (fine to med.), some silt; gray; wet - GROUNDWATER @ 6.4 FT — 7.0	4.20
8					BOH @ 7.0 FT.	
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB11 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB12
COORDINATES: EAST: 2466841.6626 NORTH: 361676.9152
ELEVATION: SURFACE: 15.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 7.0	Sunny & mild	5.5	1510
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
1 – 1.0	D-N		00	0.1/0.1			
2 – 3.0	S-1	1.4 70%		0.2/0.1	SAND (fine), some silt, no to little clay; gray & brown damp		
						3.4	11.70
4 – 5.0	S-2	2.0 100%	02	0.1/0.1	SAND (fine), some silt; gray; damp to moist		
						5.6	9.5
6 – 7.0	S-3	2.0 100%		0.2/0.2	CLAY, some silt; brown & gray; mottled; damp	6.6	8.50
					SAND (fine), some silt & clay; mottled; moist to wet GROUNDWATER @ 6.5 FT	7.0	8.10
8							
9							
10							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB12 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303
BORING NO.: 36-FCA-SB13
COORDINATES: EAST: 2466866.5479 NORTH: 361614.3006
ELEVATION: SURFACE: 8.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 5.0	Sunny & warm	3.0	1518
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon
A = Auger
T = Shelby Tube
W = Wash
R = Air Rotary
C = Core
D = Direct Push
P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace clay; brown & gray; moist	
2 3.0	S-1	1.6 80%	01	0.1/0.1	slightly mottled; amt. of clay decreasing w/ depth	
4 5.0	S-2	1.5 75%		0.1/0.1	wet - GROUNDWATER @ 3.0 FT	
5					5.0	3.90
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps
BAKER REP.: Mark DeJohn
OPERATOR: Art Carion
BORING NO.: 36-FCA-SB13
SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FCA-SB14
COORDINATES: EAST: 2466893.4568 NORTH: 361524.1249
ELEVATION: SURFACE: 9.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 5.0	Sunny & mild	2.8	1129
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.5/0.1	SILT, some organic matter & fine sand; dark gray; damp — 1.0	8.90
2 — 3.0	S-1	1.3 65%	01		SAND (fine), little to some silt & clay; gray w/ iron staining in root traces; moist, wet from 2.8-3.2 ft GROUNDWATER @ 2.8 FT	
4 — 5.0	S-2	1.3 65%		0.2/0.1	— 5.0	4.90
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FCA-SB14 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB01
COORDINATES: EAST: 2467690.0519 NORTH: 361963.3915
ELEVATION: SURFACE: 9.60

RIG: Geoprobe 5400

	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/23/95	0.0 - 7.0	Sunny & warm	6.0	1635
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.2/0.2	SILT, trace fine sand, clay, & roots; dark brown; damp — 1.0	8.60
2 — 3.0	S-1	0.9 45%		0.2/0.2	SAND (fine), some silt, little glass & rock fragments; dark brown; damp	
4 — 5.0	S-2	1.0 50%	02	0.3/0.1	little burnt wood, glass & brick fragments; moist to wet	
6 — 7.0	S-3	1.5 75%		0.1/0.1	5.9 — SAND (fine), some silt, trace clay zone @ 5.9-6.2 ft; G.WATER @ 6.0ft — 7.0	3.70
8 — 10					CLAY, trace to little silt; gray w/ staining in vertical fractures; damp — BOH @ 7.0 FT.	2.60

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB01 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB02
COORDINATES: EAST: 2467774.0857 NORTH: 361958.3465
ELEVATION: SURFACE: 13.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 11.0	Sunny & cool	9.0	0935
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.2	SAND (fine), some silt, trace roots; dark brown; damp — 1.0	12.10
2 – 3.0	S-1	1.8 90%		0.4/0.2	SAND (fine), some silt, trace clay; brown; mottled; damp	
4 – 5.0	S-2	0.6 30%		0.2/0.2	little clay, trace glass & wood; brown — 5.0	8.10
6 – 7.0	S-3	0.3 15%		0.1/0.1	SAND & DEBRIS, incl. metal, glass, & rock fragments; dark brown; damp — 7.0	6.10
8 – 9.0	S-4	0.8 40%	04	0.1/0.1	SAND (fine), some silt, little glass & brick fragments; olive drab; moist slight petroleum odor	
10	S-5	1.0 50%		0.1/0.1	GROUNDWATER @ 9.0 FT some debris, incl. stainless wire, glass, metal, & brick Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB02 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB02

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 - fragments; moist to wet 11.0	2.10
12						BOH @ 11.0 FT.	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB02 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB03
COORDINATES: EAST: 2467850.7374 NORTH: 362035.7242
ELEVATION: SURFACE: 11.50

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 11.0	Sunny & cool	9.0	0936
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.2/0.1	SAND (fine), some silt, trace roots; black & gray; wet — 1.0	10.50
2 — 3.0	S-1	1.8 90%		0.1/0.1	SAND (fine), some silt, trace to little clay; grayish-brown; damp	
4 — 5.0	S-2	1.2 60%		0.2/0.1	— 5.0	6.50
6 — 7.0	S-3	1.3 65%		0.1/0.1	Sand (fine), little silt, trace gravel; gray and brown; moist	
8 — 9.0	S-4	1.4 70%	04	0.1/0.1	wet - GROUNDWATER @ 9.0 FT — 9.1	2.40
10	S-5	2.0 100%		0.1/0.1	CLAY, trace silt; gray; damp — Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB03 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB03

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 11.0	0.50
12						BOH @ 11.0 FT.	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB03 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB04
COORDINATES: EAST: 2467881.1048 NORTH: 361897.2446
ELEVATION: SURFACE: 12.60

RIG: Geoprobe 5400

	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 7.0	Sunny & warm	3.5	1559
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace roots; brown; damp	
2 – 3.0	S-1	1.4 70%		0.2/0.2	little glass, metal, & rock fragments, no roots; brown; damp	
4 – 5.0	S-2	1.5 75%	01	0.2/0.2	wet - GROUNDWATER @ 3.5 FT	
6 – 7.0	S-3	1.4 70%		0.2/0.2	6.0	6.60
					SAND (fine to med.), some silt, trace clay; brown; wet 6.5	6.10
					7.0	5.60
8					CLAY, trace silt; orange & gray; mottled; damp	
9					BOH @ 7.0 FT	
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB04 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB05
COORDINATES: EAST: 2468000.0212 NORTH: 361908.5314
ELEVATION: SURFACE: 6.80

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 7.0	Sunny & cool	4.0	1032
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), little silt; tan; damp (1.0)	5.80
2 – 3.0	S-1	1.0 70%	01	0.1/0.0	SAND (fine), some silt & debris, incl. glass, rock frag. & a light blue sandy material; dark rust-brown; damp (3.0)	3.80
4 – 5.0	S-2	1.1 55%		0.1/0.1	SAND (fine), some silt & clay, brown; mottled; moist to wet GROUNDWATER @ 4.0 FT (5.0)	1.80
6 – 7.0	S-3	1.0 50%		0.1/0.1	CLAY, some silt, little wood; dark gray; moist (7.0)	-0.20
8 – 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB05 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303
BORING NO.: 36-FDA-SB06
COORDINATES: EAST: 2467963.3601 NORTH: 362025.7810
ELEVATION: SURFACE: 18.30

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/25/95	0.0 - 17.0	Sunny & cold	16.5	0929
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon
A = Auger
T = Shelby Tube
W = Wash
R = Air Rotary
C = Core
D = Direct Push
P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.2	SAND (fine), some silt, trace clay; dark brown; damp – 1.0	17.30
2 – 3.0	S-1	1.9 95%		0.2/0.1	SAND (fine), some silt, trace to little clay, little debris, incl. metal and charred material; dark gray; damp	
4 – 5.0	S-2	0.5 25%		0.1/0.1	trace medium sand	
6 – 7.0	S-3	0.5 25%		0.2/0.1		
8 – 9.0	S-4	0.5 25%		0.2/0.1	some concrete, glass, & metal, little silt; brown; damp	
10	S-5	0.8 40%		0.1/0.1	Some glass, rock fragments, & charred material; brown; damp	

Match to Sheet 2

CONTRACTOR: Microseeps
BAKER REP.: Mark DeJohn
OPERATOR: Art Carion
BORING NO.: 36-FDA-SB06

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-FDA-SB06

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11 11.0					Continued from Sheet 1	
12 13.0	S-6	1.1 55%		0.1/0.1	some rock fragments, glass, & charred wood, little clay; brown; damp	
14 15.0	S-7	1.7 85%	07	0.1/0.1	wet zone from 14.0-14.2 ft 14.2	4.10
16 17.0	S-8	1.3 65%		0.1/0.1	CLAY, trace silt & fine sand; brown & gray; mottled; damp 16.3	2.00
18 19 20 21 22 23 24 25					CLAY, some fine sand & silt; gray; wet GROUNDWATER @ 16.5 FT 17.0	1.30
					BOH @ 17.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-FDA-SB06 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB01
COORDINATES: EAST: 2466944.2643 NORTH: 362091.9758
ELEVATION: SURFACE: 10.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 5.0	Sunny & cool	3.0	1031
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.0/0.0	SILT, little fine sand; black; damp — 1.0	9.60
2 — 3.0	S-1	2.0 100%	01	0.1/0.1	SAND (fine), some silt, trace clay & coarse sand; brown and gray; damp — 2.6	8.00
4 — 5.0	S-2	1.3 65%		0.2/0.2	SAND (fine), little to some silt, no to trace coarse sand; gray; wet - GROUNDWATER @ 3.0 FT — 5.0	5.60
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB01 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB01A
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 5.0	Sunny & cool	4.0	1537
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace gravel, clay & roots; black; moist	
2 3.0	S-1	1.4 70%	01	0.1/0.1		
4 5.0	S-2	1.7 85%		0.1/0.0	SAND (fine), some silt, little clay brown; mottled; moist 4.0	
					SAND (fine), some silt, trace clay; brown; wet 5.0	
					GROUNDWATER @ 4.0 FT.	
6					BOH @ 5.0 FT.	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB01A SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB01B
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 3.0	Sunny & cool	3.0	1116
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace clay; brown; moist w/ wet zone @ 1 ft	
2	S-1	1.8 90%	01	0.1/0.1	trace to little clay; moist to wet GROUNDWATER @ 3.0 FT.	
3 — 3.0					3.0	
4					BOH @ 3.0 FT.	
5						
6						
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB01B SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB01C
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 5.0	Sunny & cool	3.0	1646
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace gravel & clay; brown; moist	
2 – 3.0	S-1	1.8 90%	01	0.1/0.1	SAND (fine), some silt, little clay; gray; moist	
4 – 5.0	S-2	1.9 95%		0.1/0.1	wet GROUNDWATER @ 3.0 FT.	
5.0					BOH @ 5.0 FT.	
6						
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB01C SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB01D
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 5.0	Sunny & cool	3.0	1719
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace gravel & clay; brown; moist	
2 — 3.0	S-1	2.0 100%	01	0.1/0.1	SAND (fine), some silt, little clay w/ narrow black layer @ 1.6 ft brown; moist — 2.8	
4 — 5.0	S-2	1.8 90%		0.1/0.1	SAND (fine), some silt, trace clay; gray; wet GROUNDWATER @ 3.0 FT. — 5.0	
6					BOH @ 5.0 FT.	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB01D SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB02
COORDINATES: EAST: 2466863.6683 NORTH: 361857.1924
ELEVATION: SURFACE: 15.10

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/25/95	0.0 - 9.0	Sunny & cool	7.0	1051
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE

S = Split Spoon
A = Auger
T = Shelby Tube
W = Wash
R = Air Rotary
C = Core
D = Direct Push
P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace roots & clay; dark brown; damp 1.0	14.10
2 – 3.0	S-1	2.0 100%		0.1/0.1	SILT, some clay, little to some fine sand; brown; damp 3.0	12.10
4 – 5.0	S-2	1.5 75%		0.0/0.0	SAND (fine), some silt, trace clay; Light brown; moist	
6 – 7.0	S-3	2.0 100%	03	0.0/0.0	medium sand; damp to moist 6.1	9.00
					CLAY, some silt, trace fine sand; brown & gray; mottled; damp 7.0	8.10
8 – 9.0	S-4	2.0 100%		0.0/0.0	SAND (fine), little silt; grayish-brown; wet GROUNDWATER @ 7.0 FT 7.8	7.30
					CLAY, some fine sand & silt; grayish-brown w/ iron stains; damp 9.0	6.10
10					BOH @ 9.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB02 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB03
COORDINATES: EAST: 2467165.5508 NORTH: 361882.6724
ELEVATION: SURFACE: 14.70

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/25/95	0.0 - 11.0	Sunny & mild	7.0	1509
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, trace clay; dark brown; damp	
					1.6	13.10
2	S-1	2.0 100%		0.0/0.0	CLAY, some silt, trace fine sand; dark brown; mottled; damp 2.1	12.60
3 – 3.0					SAND (fine), some silt, rock frag. & glass; dark brown; damp to wet 3.0	11.70
4	S-2	2.0 100%		0.1/0.1		
5 – 5.0						
6	S-3	1.0 50%	03	0.1/0.1	SAND (fine), some silt, little clay, trace gravel; dark gray to black; damp to moist	
7 – 7.0						
8	S-4	0.0 0%		--		
9 – 9.0						
10	S-5	0.4 20%		0.1/0.0	wet - GROUNDWATER @ 7.0 FT	

Match to Sheet 2

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB03

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB03

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 11.0	3.70
12						BOH @ 11.0 FT.	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB03 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB04
COORDINATES: EAST: 2467196.7963 NORTH: 362076.6694
ELEVATION: SURFACE: 10.80

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/24/95	0.0 - 7.0	Sunny & cool	5.0	0813
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	2.2/0.1	SAND (fine), little to some silt, trace coarse sand & clay; dark brown to gray; damp	
2 – 3.0	S-1	1.6 80%		0.2/0.1		
4 – 5.0	S-2	1.7 85%	02	0.1/0.1	sand becomes fine to med.; moist	
5.8						5.00
6 – 7.0	S-3	2.0 100%		0.1/0.1	wet - GROUNDWATER @ 5.0 FT CLAY, trace to little silt, trace fine sand; gray; damp	
7.0					BOH @ 7.0 FT	3.80
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB04 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB05
COORDINATES: EAST: 2467343.4892 NORTH: 361682.9734
ELEVATION: SURFACE: 12.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/28/95	0.0 - 7.0	Cloudy & mild	5.0	0824
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.1	SILT, little clay, trace fine sand & roots; dark brown; damp (1.0)	11.60
2 – 3.0	S-1	1.7 85%		0.3/0.2	SAND (fine), little silt; brown; damp	
4 – 5.0	S-2	1.5 75%	02	0.2/0.2	some silt; tan; damp to moist	
6 – 7.0	S-3	2.0 100%		0.1/0.1	wet - GROUNDWATER @ 5.0 FT (5.8)	6.80
8 – 10					CLAY, little silt, trace fine sand; gray & orange, regularly spaced vertical bands; damp (7.0)	5.60
					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB05 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB06
COORDINATES: EAST: 2467691.3752 NORTH: 362188.7242
ELEVATION: SURFACE: 10.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 7.0	Sunny & warm	6.0	1708
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.3/0.1	SILT, some fine sand, trace roots; dark brown; damp — 1.3	9.60
2 — 3.0	S-1	1.9 95%		0.2/0.1	SAND (fine), some silt, trace coarse sand; tan; lamination @ 1.3-1.8 ft; damp	
4 — 5.0	S-2	0.8 40%	02	0.0/0.0	metal fragments	
6 — 7.0	S-3	0.0 0%			No recovery, but hit water GROUNDWATER @ 6.0 FT — 7.0	3.90
8 — 10					BOH @ 7.0 FT	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB06 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB07
COORDINATES: EAST: 2467985.9325 NORTH: 361849.5907
ELEVATION: SURFACE: 4.50

RIG: None used - hand sampled

	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	--	??	1" ID	2/24/95	0.0 - 4.0	Sunny & mild	3.0	1453
LENGTH	--	3.0'	3.0'					
TYPE	--	Hand	Plastic					

REMARKS: MKD collected the surface sample by hand. Microseeps then proceeded to collect subsurface samples. A third sample (1-3 ft) not shown herein was collected for analysis, due to lack of volume at 2-4 ft.

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
1		S-1	1.5 75%	00	0.1/0.1	SAND (fine), some silt, trace clay & roots; dark brown; damp		
2	2.0					little debris; moist to wet		
3		S-2	0.7 35%		0.1/0.1		3.0	1.50
4	4.0					SAND (fine), some silt; gray; wet - GROUNDWATER @ 3.0 FT	4.0	0.50
5								
6								
7								
8								
9								
10								

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB07 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OA-SB08
COORDINATES: EAST: 2468124.1115 NORTH: 362057.2764
ELEVATION: SURFACE: 5.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/27/95	0.0 - 5.0	Sunny & warm	3.0	1123
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.2/0.1	SAND (fine), some silt, little debris, incl. glass, rock fragments & charred wood; dark brown; damp — 1.8	3.80
2 — 3.0	S-1	2.0 100%	01	0.2/0.1	SAND (fine), little silt; brown; damp to moist wet - GROUNDWATER @ 3.0 FT — 4.6	1.00
4 — 5.0	S-2	1.5 75%		0.1/0.1	CLAY, little silt, trace fine sand; brown; mottled; hard; damp — 5.0	0.60
6					BOH @ 5.0 FT	
7						
8						
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OA-SB08 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB01
COORDINATES: EAST: 2467303.6094 NORTH: 361945.7150
ELEVATION: SURFACE: 12.90

RIG: Geoprobe 5400								
	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/21/95	0.0 - 13.0	P. Sun & cool	9.0	1247
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00		SAND (fine), little silt, trace clay; tan; moist	
2 — 3.0	S-1	2.0 100%		0.2/0.1		
4 — 5.0	S-2	2.0 100%		0.2/0.1	gray, fine sand & silt layers 5.0	7.90
6 — 7.0	S-3	1.3 65%		0.1/0.1	SAND (fine), little silt; gray; moist 7.6	5.30
8 — 9.0	S-4	2.0 100%	04	0.1/0.1	CLAY, trace fine sand & silt; gray & brown; damp 9.0	3.90
10	S-5	2.0 100%		--	SAND (fine to med), little silt, trace to little clay w/ clayey lenses; brown; wet Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB01 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB01

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11 11.0					Continued from Sheet 1 GROUNDWATER @ 9.0 FT.	
12	S-6	2.0 100%		--		
13 13.0					13.0	-0.10
14					BOH @ 13.0 FT.	
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB01 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB02
COORDINATES: EAST: 2467330.4014 NORTH: 361783.6034
ELEVATION: SURFACE: 11.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/21/95	0.0 - 9.0	P. Sun & cool	5.0	1721
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, little roots; dark brown; damp — 1.0	10.90
2 – 3 – 3.0	S-1	1.4 70%		0.3/0.1	SAND (fine), little silt; brown lenses of fine sand & trace to little clay at 1-3 ft; gray; damp	
4 – 5 – 5.0	S-2	2.0 100%	02	0.1/0.1	moist to wet GROUNDWATER @ 5.0 FT. — 5.6	6.30
6 – 7 – 7.0	S-3	2.0 100%		0.1/0.1	CLAY, trace silt; gray; damp — 6.4	5.50
8 – 9 – 9.0	S-4	1.4 70%		0.1/0.1	CLAY, some silt, little sand; reddish-gray; damp — 9.0	2.90
10					BOH @ 9.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB02 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB03
COORDINATES: EAST: 2467473.3766 NORTH: 361962.4058
ELEVATION: SURFACE: 11.30

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/21/95	0.0 - 9.0	P. Sun & cool	6.0	1637
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), little silt, trace gravel (at 0-1 ft), metal fragments & charred material; brown, tan & reddish brown; damp	
2 – 3.0	S-1	1.8 90%		0.1/0.1		
4 – 5.0	S-2	1.4 70%		0.2/0.1	4.0	7.30
6 – 7.0	S-3	1.9 95%	03	0.2/0.1	SAND (fine), some silt; brown & gray; moist to wet GROUNDWATER @ 6.0 FT. 6.7	4.60
8 – 9.0	S-4	1.4 70%		0.1/0.1	CLAY, trace silt & fine sand; brown to gray; damp 8.3 SAND (fine), little silt; brown; wet 8.7 9.0	3.00 2.60 2.30
10					CLAY, trace silt; brown to gray; damp BOH @ 9.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB03 SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB04
COORDINATES: EAST: 2467520.8775 NORTH: 361783.3911
ELEVATION: SURFACE: 9.90

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/22/95	0.0 - 11.0	Sunny & cool	8.0	0826
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
1	1.0	D-N		00	0.1/0.1	SAND (fine), some silt, little glass & metal debris; dark brown; damp	2.0	7.70
2		S-1	2.0 100%		0.1/0.1			
3	3.0					SAND (fine), little silt, trace wood fragments trace clay (amt. increasing w/ depth); dark gray to brown; damp	4.7	5.20
4		S-2	2.0 100%		0.1/0.1			
5	5.0					SILTY CLAY, trace to little fine sand, trace roots; mottled; orange & gray; damp	7.0	2.90
6		S-3	1.5 75%	03	0.1/0.1			
7	7.0							
8		S-4	1.6 80%		0.1/0.1	SAND (fine), some silt, little clay; orange, brown & gray; moist to wet - GROUNDWATER @ 8.0 FT	9.0	0.90
9	9.0							
10		S-5	2.0 100%		0.1/0.1	SAND (fine to med.), some silt; brown; wet	Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB04 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB04

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 11.0	-1.10
12						BOH @ 11.0 FT.	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB04 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB05
COORDINATES: EAST: 2467652.6555 NORTH: 361883.0544
ELEVATION: SURFACE: 10.30

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/21/95	0.0 - 13.0	P. Sun & mild	11.0	1550
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00			
2 – 3.0	S-1	0.8 40%		0.2/0.1	SAND (fine), little silt & wood fragments; black & gray; damp	
4 – 5.0	S-2	2.0 100%		0.1/0.1	little glass & metal	
6 – 7.0	S-3	1.0 50%		0.1/0.1		
8 – 9.0	S-4	0.0 0%		--	No recovery	
9.0						1.30
10	S-5	1.5 75%		--	SAND (fine), little silt, trace clay; moist	
					Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB05 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB05

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
						Continued from Sheet 1		
11	11.0					SAND (fine), little silt, trace	11.0	-0.70
						coarse sand; brown to gray;	11.5	-1.20
12		S-6	1.7 85%	06	0.1/0.1	wet GROUNDWATER @ 11.0 FT.		
13	13.0					SAND (fine),little silt, trace clay w/ red laminae; brown; moist	13.0	-2.70
						BOH @ 13.0 FT.		
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB05 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB06
COORDINATES: EAST: 2467662.9406 NORTH: 361796.0563
ELEVATION: SURFACE: 8.60

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	2/21/95	0.0 - 11.0	P. Sun & mild	9.0	1413
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1, 2, 3 (3.0)	D-N		00	0.1/0.1		
4, 5 (5.0)	S-2	0.7 35%		0.1/0.1	SAND (fine), little silt, trace clay w/ layers of clay & gravel & glass; brown, gray, & reddish-brown; moist	
6, 7 (7.0)	S-3	2.0 100%	03	0.2/0.2	wet zone @ 5.0-5.7 ft 6.2	2.40
8, 9 (9.0)	S-4	2.0 100%		0.1/0.1	SILTY CLAY, trace fine sand; reddish-brown; damp 9.0	-0.40
10	S-5	2.0 100%		0.1/0.1	SAND (fine), some silt; brown; wet GROUNDWATER @ 9.0 FT. 9.9	-1.30
					CLAY, some to Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB06 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB06

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description		Elev.
11	11.0					Continued from Sheet 1 silt, little sand; red & gray; mottled; damp	10.7	-2.10
							11.0	-2.40
12						SAND (fine), some silt; brown; wet		
13						BOH @ 11.0 FT.		
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB06 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303
BORING NO.: 36-OF-SB06A
COORDINATES: EAST:
NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 9.0	Sunny & cool	5.0	0922
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon
A = Auger
T = Shelby Tube
W = Wash
R = Air Rotary
C = Core
D = Direct Push
P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SILT, some clay, trace sand & organic matter; black; moist — 1.0	
2 – 3.0	S-1	1.0 50%	01	0.1/0.1	SAND (fine), some silt, little metal, glass & rock frag., trace clay; dark brown; damp	
4 – 5.0	S-2	0.4 20%		0.1/0.1	— 5.0	
6 – 7.0	S-3	0.6 30%		0.0/0.0	SAND (fine), some silt, trace clay; brown; wet GROUNDWATER @ 5.0 FT. — 7.3	
8 – 9.0	S-4	1.3 65%		0.1/0.0	CLAY, some silt, little sand; brown gray & red; mottled; damp — 8.2	
					SAND (fine), some silt & clay; moist, wet at bottom — 9.0	
10					BOH @ 9.0 FT.	

CONTRACTOR: Microseeps
BAKER REP.: Mark DeJohn
OPERATOR: Art Carion
BORING NO.: 36-OF-SB06A
SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB06B
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 7.0	Sunny & cool	5.0	1019
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Background
N = No Sample		BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.1/0.1	SILT, some clay, little wood & debris; black; moist to wet — 1.0	
2 — 3.0	S-1	1.7 85%		0.1/0.1	SAND (fine), some silt, trace clay; brown; damp — 3.0	
4 — 5.0	S-2	1.0 50%	02	0.1/0.1	SAND (fine), some silt, glass, brick & metal frag.; reddish-brown; moist to wet GROUNDWATER @ 5.0 ft — 5.0	
6 — 7.0	S-3	0.5 25%		0.1/0.1	SAND (fine), some clay, little silt; grayish-olive drab; wet — 7.0	
8					BOH @ 7.0 FT	
9						
10						

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB06B SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB06C
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 9.0	Sunny & cool	5.0	1054
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS
PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.1/0.1	SAND (fine), some silt, little clay, metal & glass; brown; moist	
2 – 3.0	S-1	1.0 50%		0.1/0.1	SAND (fine), some silt, trace clay w/ clay layer; dark brown; damp	
4 – 5.0	S-2	1.2 60%	02	0.1/0.1	SAND (fine), little silt, trace clay; gray; moist to wet (3.9–4.8); SAND (fine), some silt & clay; brown; moist (4.8–5.5)	
6 – 7.0	S-3	1.7 85%		0.1/0.1	CLAY, some silt, little fine sand; brown, gray & red; mottled; damp	
8 – 9.0	S-4	1.5 75%		0.1/0.1	SAND (fine to med), some silt, little clay; gray, iron staining; wet (8.7–9.0)	
10					BOH @ 9.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB06C SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-OF-SB06D
COORDINATES: EAST: NORTH:
ELEVATION: SURFACE:

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 7.0	Sunny & cool	5.0	1148
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS: Notes: (1) Sample 2A represents a second sample taken at the 3-5 ft interval. The first sample yielded insufficient recovery to collect for laboratory analysis.

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Direct Push
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 — 1.0	D-N		00	0.1/0.0	SAND (fine), some silt & organic matter, trace clay; black; moist — 1.0	
2 — 3.0	S-1	1.5 75%		0.1/0.1	SAND (fine), some silt, trace clay, glass & charred wood; dark brown moist to wet	
4 — 5.0	S-2A (1)	0.5 25%	02	0.1/0.1	GROUNDWATER @ 5.0 FT. — 5.0	
6 — 7.0	S-3	1.0 50%		0.1/0.1	CLAY, some silt, little fine sand; brown & gray; damp — 7.0	
8 — 10					BOH @ 7.0 FT.	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-OF-SB06D SHEET 1 OF 1

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW09
COORDINATES: EAST: 2467488.5124 NORTH: 361893.0118
ELEVATION: SURFACE: 13.52

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 13.0	Sunny & cool	9.0	0822
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS: SEE DMG LOGS FOR BORING INFO. & CONSTRUCTION DETAILS.

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 – 1.0	D-N		00	0.2/0.1	SILT, some clay, trace fine sand & roots; black; wet — 1.0	12.52
2 – 3 – 3.0	S-1	1.7 85%		0.2/0.2	SAND (fine), some silt, trace clay, bone fragments & spiractor sand	
4 – 5 – 5.0	S-2	0.8 40%		0.2/0.2	glass, rock & metal fragments	
6 – 7 – 7.0	S-3	0.6 30%		0.1/0.0	glass & metal fragments, little clay — 7.0	6.52
8 – 9 – 9.0	S-4	0.6 30%	04	0.1/0.1	SAND (fine), some silt, trace to little clay; gray; moist to wet GROUNDWATER @ 9.0 FT.	
10	S-5	0.7 35%		0.1/0.1	Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-GW09 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW09

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1	
12		S-6	1.1 55%		0.3/0.1	little to some clay; gray & olive drab; mottled	
13	13.0					13.0	0.52
14						BOH @ 13.0 FT.	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-GW09 SHEET 2 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW11
COORDINATES: EAST: 2467858.6297 NORTH: 361958.9706
ELEVATION: SURFACE: 17.65

RIG: Geoprobe 5400	LARGE BORE SAMPLER	SMALL BORE SAMPLER	LINER	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	1-3/8" ID	--	1-1/8" ID	3/9/95	0.0 - 13.0	Sunny & cool	11.0	1434
LENGTH	4.0'	--	4.0'					
TYPE	Piston	--	Plastic					

REMARKS: SEE DMG LOGS FOR BORING INFO. & CONSTRUCTION DETAILS.

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

DEFINITIONS

PID = Photoionization Detection Meter
ppm = parts per million
PS = Point Source
BG = Background
BOH = Bottom of Hole

Depth (ft)	Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
1 1.0	D-N		00	0.2/0.1	SILT, little clay, trace sand & roots; dark brown; moist 1.0	16.65
2 3.0	S-1	1.4 70%		0.0/0.0	SAND (fine), some silt, trace clay, clay nodules, glass & metal; dark brown; damp	
4 5.0	S-2	0.6 30%		0.0/0.0	little wood	
6 7.0	S-3	0.5 25%		0.2/0.0	trace metal fragments	
8 9.0	S-4	0.8 40%	04	0.2/0.0	trace to little glass, metal & rock fragments 8.9	8.75
10	S-5	1.3 65%		0.0/0.0	SAND (fine), some silt, trace clay; yellowish- Match to Sheet 2	

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-GW11 SHEET 1 OF 2

TEST BORING RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW11

SAMPLE TYPE		DEFINITIONS
S = Split Spoon	A = Auger	PID = Photoionization Detection Meter
T = Shelby Tube	W = Wash	ppm = Parts per million
R = Air Rotary	C = Core	PS = Point Source
D = Direct Push	P = Piston	BG = Bachground
N = No Sample		BOH = Bottom of Hole

Depth (ft)		Sample Type and No.	Sample Recovery (ft & %)	Lab ID Number	PID (ppm) PS/BG	Visual Description	Elev.
11	11.0					Continued from Sheet 1 brown to gray; mottled; moist	
12		S-6	2.0 100%	06	0.0/0.0	wet GROUNDWATER @ 11.0 FT	
13	13.0					13.0	4.65
14						BOH @ 13.0 FT.	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

CONTRACTOR: Microseeps BAKER REP.: Mark DeJohn
OPERATOR: Art Carion BORING NO.: 36-GW11 SHEET 2 OF 2

APPENDIX B
TEST BORING AND WELL CONSTRUCTION RECORDS

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW06
COORDINATES: EAST: 2466333.7957 NORTH: 362249.6111
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 19.06

RIG: Mobile B-53	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-¼" ID		2/28/95	0.0-19.0	Cloudy, Rain 60s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-3.0
Well Screen	2" ID	PVC Slotted	-3.0	-18.0

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1	S-1	1.8/2.0 90%	3 4 4 4		0.0	FINE SAND and SILT, trace organics; moist; dark brown 0.3'	#2 #7 #2 Bentonite Pellets to Ground Surface	
2 (2.0)						FINE SAND, some silt; moist; dk. brown 1.1'		
3	S-2	1.8/2.0 90%	2 3 4 4		0.0	FINE SAND and SILTY CLAY; moist; tan - lt. gray, brown mottling	Top of #1 Sand @ 2' Top of Screen @ 3'	
4 (4.0)						water @ 4' 4.2'		
5	S-3	2.0/2.0 100%	4 6 7 6		0.0	FINE SAND, trace to some silt; wet; lt. gray - gray	#5 #5	
6 (6.0)								
7							#8 PVC well screen, 2" ID, Sch. 40, flush joint threaded	
8	A-N							
9								
10								

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW06 SHEET 1 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No.6 - Site 36 MCAs, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW06

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist %~~ (ppm)	Visual Description	Well Installation Detail				Elevation
11						Continued from Page 1				#1 Sand	
12											
13							#5		#5		
14	A-N							#8		PVC well screen 2" ID, Sch. 40, flush joint threaded	
15											
16											
17											
18								#5		Bottom of well @ 18'	
19	19.0						#3	#3	#3	Cave-In @ 18.5' 19.0'	
20						End of Boring @ 19.0'					
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW06 SHEET 2 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW06DW
COORDINATES: EAST: 2466323.0895 NORTH: 362251.6494
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 19.00

RIG: B-80 Mobile Drill									
	SPLIT SPOON	CASING	AUGERS	BIT ~~CORE BARREL~~ SIZE	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"	6"		10"/6"	2/21/95	0.0-7.0	Pt. cloudy, 50s	—	—
LENGTH	2'	45'			2/22/95	7.0-45.0	Sunny, 50s	—	—
TYPE	STD.	Steel		Rotary	2/23/95	45.0-71.0	Sunny, 60s	—	—
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2"ID	PVC Threaded	+2.0	-65.0
Well Screen	2"ID	PVC Slotted	-65.0	-70.0

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1								
2	R-N						6" steel casing	
3								
4							PVC riser pipe, 2"ID, Sch. 40, flush joint threaded	
5 (5.0)							#7	
6	S-1	1.1 / 2.0 55%	9 8 9 7			FINE SAND, trace silt; wet; lt. gray	#0 #0	
7 (7.0)							Cement/ Bentonite Grout	
8	R-N						#0 #0	
9								
10 (10.0)						10.0'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavaglia
DRILLER: Jay Corron BORING NO.: 36-GW06DW SHEET 1 OF 5

TEST BORING AND WELL CONSTRUCTION RECORD

Baker
Baker Environmental, Inc

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW06DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11 / 12 (12.0)	S-2	2.0/2.0 100%	1 1 1 2			SILTY CLAY, some wood fragments, trace sand; damp; gray		
13 / 14 / 15 (15.0)	R-N						Cement/ Bentonite Grout	
16 / 17 (17.0)	S-3	2.0/2.0 100%	2 5 8 8			ORGANIC MATERIAL (PEAT); moist; brown (15.0'–16.5') SILTY CLAY; damp; lt. tan	6" steel casing	
18 / 19 / 20 (20.0)	R-N						#7 PVC riser pipe 2" ID, Sch. 40, flush joint threaded	
21 / 22 (22.0)	S-4	2.0/2.0 100%	11 10 9 11			FINE to MEDIUM SAND and SHELL FRAGMENTS; wet; lt. gray - white (20.0')	#0 #0 #0 #0	
23 / 24 / 25 (25.0)	R-N							
26 / 27 (27.0)	S-5	1.6/2.0 80%	13 17 25 30			partially cemented @ 25' varying amounts of shell fragments		
28 / 29 / 30 (30.0)	R-N					Increased cementation @ 30', damp		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW06DW SHEET 2 OF 5

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River

S.O. NO.: 62470-303 BORING NO.: 36-GW06DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
31 – 32.0	S-6	1.4/2.0 70%	26 25 29 25			FINE to MEDIUM SAND and SHELL FRAGMENTS; wet; lt. gray-white		
32.8	S-7	0.6/0.8 75%	22 50/.3					
34.0	R-N							
35 – 36.0	S-8	1.2/2.0 60%	31 41 35 28			36.0'	#0 #0	
38.0	S-9	0.9/2.0 45%	18 24 25 36			FINE to MEDIUM SAND, some shell fragments and silt; damp; lt. gray	#0 #0	
40.0	S-10	1.4/2.0 70%	17 16 15 21			39.3' CLAYEY SILT and SHELL FRAGMENTS, some sand; wet; lt. gray	#7	
42.0	S-11	1.0/2.0 50%	20 24 23 43			41.8' CLAYEY SILT, trace fine sand; damp; gray 42.0'		
44.0	S-12	1.5/2.0 75%	8 8 10 12			FINE SAND, trace to some silty clay; damp; greenish-gray		
45.0	R-N							
47.0	S-13	1.4/2.0 70%	7 5 7 8		0.0			
49.0	S-14	1.7/2.0 85%	3 6 9 12		0.0		#0 #0	
50	S-15	1.8/2.0 90%	4 6 6 10		0.0			

Cement/Bentonite Grout

PVC riser pipe, 2" ID, Sch 40, flush joint threaded

6" steel casing @ 45'

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavigliа

DRILLER: Jay Corron BORING NO.: 36-GW06DW SHEET 3 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW06DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
51 / 51.0						FINE SAND, trace to some silty clay; damp; greenish-gray		
2 / 53.0	S-16	1.8/2.0 90%	6 8 11 21		0.0		#0 #0 Cement/Bentonite Grout	
4 / 55 / 55.0	S-17	1.7/2.0 85%	5 5 7 8		0.0		PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
6 / 7 / 57.0	S-18	1.7/2.0 85%	4 6 9 17		0.0	trace shell fragments and some medium sand from 56.4' to 59'	#7 Top of Bentonite Pellets @ 57'	
8 / 9 / 59.0	S-19	1.6/2.0 80%	5 6 6 17		0.0	59'		
60 / 1 / 61.0	S-20	2.0/2.0 100%	6 7 10 35		0.0	CLAYEY SILT and FINE SAND, some shell fragments; partial cementation; wet; gray	#2 #2	
2 / 3 / 63.0	S-21	2.0/2.0 100%	28 21 44 47		0.0		Top of #1 Sand @ 63'	
4 / 65 / 6	R-N						#5 #5 Top of Screen @ 65'	
7 / 8 / 9 / 70							#8 PVC well screen, 2" ID, Sch. 40, flush joint threaded; Bottom of well @ 70'	

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW06DW SHEET 4 OF 5

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River

S.O. NO.: 62470 - 303 BORING NO.: 36-GW06 DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate		Visual Description	Well Installation Detail				Elevation
71.0	R-N					71.0'	#5	#5	#5	71.0'	
71						End of Boring @ 71.0'					
2											
3											
4											
75											
6											
7											
8											
9											
80											
1											
2											
3											
4											
85											
6											
7											
8											
9											
90											

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia

DRILLER: Jay Corron BORING NO.: 36-GW06 DW SHEET 5 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW07
COORDINATES: EAST: 2466772.6393 NORTH: 361611.9340
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 11.51

RIG: B-80 Mobile Rig	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-¼" ID		3/7/95	0.0-19.0	Pt. cloudy, 60s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS: Soil samples S-1 and S-2 submitted for laboratory analyses

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-3.0
Well Screen	2" ID	PVC Slotted	-3.0	-18

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1 — 1.0	S-1 36-GW07-00	—	—		0.0	SILTY CLAY and FINE SAND; damp; tan	#2 #1 #2 Bentonite Pellets to Ground Surface; PVC riser pipe	
2 — 3.0	S-2 36-GW07-01	2.0/2.0 100%	2 2 2 4		0.0		Top of #1 Sand @ 2'	
3 — 5.0	S-3	1.6/2.0 80%	2 4 6 9		0.0	3.5' FINE SAND, trace to some silty clay; damp to wet; tan, lt. gray mottled 4.0'	#5 #5 Top of Screen @ 3'	
6 — 7.0	S-4	1.4/2.0 70%	2 4 9 7		0.0	FINE to MEDIUM SAND, trace silt and fine gravel; wet; tan 6.8'	#8 PVC well screen 2" ID, Sch. 40, flush joint threaded	
8 — 9.0	S-5	1.7/2.0 85%	2 1 1 2		0.0	FINE SAND, some silty clay; damp; tan, lt. gray 7.6'; FINE SAND and clayey silt; dark tan and lt. gray laminations 8.0'; CLAYEY SILT, some fine sand; moist; olive-dark gray		
10	S-6	2.0/2.0 100%	1 1 2 4		0.0	FINE to MEDIUM SAND, trace silt from 8.8' to 9.2' 10.2'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavigliа
DRILLER: Jay Corron BORING NO.: 36-GW07 SHEET 1 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW07

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11 — 11.0						FINE SAND, trace to some silty clay, trace shell fragments; damp; greenish-gray		
12 — 13.0	S-7	2.0/2.0 100%	4 8 12 13		0.0		#5 #5 #1 Sand	
14 — 15.0	S-8	2.0/2.0 100%	5 6 7 8		0.0		#8 PVC well screen 2"ID, Sch.40, flush joint threaded	
16 — 17.0	S-9	2.0/2.0 100%	5 7 9 10		0.0	17.2		
18 — 18.0	S-10	1.0/1.0 100%	6 6		0.0	SILTY CLAY, some fine sand and shell fragments; damp; gray	Bottom of well @ 18'	
19 — 19.0	AN					19.0'	#5	19.0'
20						End of Boring @ 19.0'		
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavaglin
DRILLER: Jay Corron BORING NO.: 36-GW07 SHEET 2 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW07DW
COORDINATES: EAST: 2466771.9799 NORTH: 361579.8844
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 11.26

RIG: B-80 Mobile Rig

	SPLIT SPOON	CASING	AUGERS	BIT ~~CORE BARREL~~ SIZE	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"	6"		10"/6"	3/6/95	0.0-38.0	Rain, 60s	—	—
LENGTH	2'	45'			3/7/95	38.0-64.0	Pt. cloudy, 60s	—	—
TYPE	STD	Steel		Rotary					
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS: * Composite Geotech sample collected from 0' to 10'

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2"ID	PVC Threaded	+2.0	-58.0
Well Screen	2"ID	PVC Slotted	-58.0	-63.

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1	S-1*	1.3/2.0 65%	4 4 3 4			SILTY CLAY and FINE SAND; damp; tan, lt. gray, red, mottled (3.2')	Cement/Bentonite Grout	
2 (2.0)								
3	S-2*	1.3/2.0 65%	3 3 4 5		HNu Malfunction due to Moisture	FINE SAND, trace to some silty clay; wet; lt. gray, tan mottling (4.0')	6" steel casing	
4 (4.0)								
5	S-3*	1.3/2.0 65%	9 11 10 11			FINE to MEDIUM SAND, some silt, trace fine gravel; wet; tan (7.1')	#7; PVC riser pipe, 2"ID, Sch.40, flush joint threaded	
6 (6.0)								
7	S-4*	1.4/2.0 70%	3 2 2 1			FINE SAND and SILTY CLAY; damp; lt. gray, tan mottling (8.2')		
8 (8.0)								
9	S-5*	2.0/2.0 100%	2 2 2 2			FINE SAND and SILT, trace clay; damp; Olive, Dark gray		
10 (10.0)	R-N							

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavinlia
DRILLER: Jay Corron BORING NO.: 36-GW07DW SHEET 1 OF 4

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6- Site 36 MCAS, New River

S.O. NO.: 62470-303 BORING NO.: 36-GW07DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist. %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11, 12, 13, 14, 15 (15.0)	R-N				Moisture	FINE SAND and SILT, trace clay; damp; Olive, dark gray (15.0)	Cement/ Bentonite Grout	
15, 16, 17 (17.0)	S-6	1.9/2.0 95%	12 12 14 17		due to	FINE SAND and SILT, some shell fragments, trace clay; damp; lt. greenish-gray	6" steel casing	
18, 19, 20 (20.0)	R-N				Malfunction	(20.0)	#7 PVC riser pipe 2" ID, Sch. 40, flush joint threaded	
20, 21, 22 (22.0)	S-7	1.8/2.0 90%	18 20 22 23		HNu	FINE SAND and CLAYEY SILT, some shell fragments; partial cementation; wet; lt. gray		
23, 24, 25 (25.0)	R-N							
25, 26, 27 (27.0)	S-8	1.4/2.0 70%	13 17 18 20		0.0			
28, 29, 30 (30.0)	R-N							

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavinlia

DRILLER: Jay Corron BORING NO.: 36-GW07DW SHEET 2 OF 4

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW07DW

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
31–32.0	S-9	1.5/2.0 75%	16 18 16 19		0.0	FINE SAND and CLAYEY SILT, some shell fragments; partial cementation; wet; lt. gray	Cement/Bentonite Grout; Bentonite Slurry into Steel Casing	
32.0–35.0	R-N							
35.0						FINE SAND and SILTY CLAY; damp; greenish-gray		
35–37.0	S-10	1.4/2.0 70%	8 9 13 13		0.0			
37.0–38.0	S-11	1.0/1.0 100%	4 4		HNu Malfunction due to Moisture		6" steel Casing @ 38'	
38.0–40.0	S-12	2.0/2.0 100%	4 7 7 10					
40.0–42.0	S-13	1.2/2.0 60%	6 6 9 10		0.0		PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
42.0–44.0	S-14	1.6/2.0 80%	4 5 5 5		0.0			
44.0–46.0	S-15	0.0/2.0 0%	4 6 7 19		—			
46.0						FINE SAND, some clayey silt; damp; greenish-gray	Bentonite Slurry	
46.0–48.0	S-16	1.8/2.0 90%	9 9 10 20		0.0			
48.0						FINE SAND, some clayey silt, trace shell fragments; damp; gray		
48.0–50.0	S-17	2.0/2.0 100%	10 8 12 17		0.0			

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW07DW SHEET 3 OF 4

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River

S.O. NO.: 62470-303 BORING NO.: 36-GW07DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
51	S-18	1.1 / 1.4 79%	7 8 50/.4		0.0	FINE SAND, some clayey silt, trace shell fragments; damp; gray 51.4'	#2 #2 Bentonite slurry; Top of Bentonite Pellets @ 51'	
51.4 – 52.0	R-N					FINE to MEDIUM SAND, trace to some clayey silt; partially cemented; wet; lt. gray	#7	
52.4	S-19	0.3 / 0.4 50%	50/.4		0.0		#2 #2 PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
55							Top of #1 Sand @ 55.75'	
7	R-N							
8							Top of Screen @ 58'	
9							#5 #5	
60							#8 PVC well screen 2" ID, Sch. 40, flush joint threaded	
1								
2								
3							Bottom of well @ 63'	
64.0						64.0'	#5 64.0'	
65						End of Boring @ 64.0'		
6								
7								
8								
9								
70								

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia

DRILLER: Jay Corron BORING NO.: 36-GW07DW SHEET 4 OF 4

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW08
COORDINATES: EAST: 2466924.7777 NORTH: 361715.1484
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 18.42

RIG: Mobile B-53	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-¼" ID		2/28/95	0.0-25.0	Cloudy, Rain 60s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-9.0
Well Screen	2" ID	PVC Slotted	-9.0	-24

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1 – 2.0	S-1	0.7/2.0 35%	2 2 4 4		0.2	FINE SAND and SILT, some concrete; moist; dark brown-black, white (2.0')	Bentonite Pellets to Ground Surface	
2.0 – 4.0	S-2	0.8/2.0 40%	6 34 23 9		0.2	SILT, some fine sand, some concrete; moist; dark brown-black, white (5.4')	#2; #2; #7; PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
4.0 – 6.0	S-3	0.7/2.0 35%	48 5 4 4		0.0	FINE SAND, some silt, trace clay; moist; tan w/ trace gray laminants (6.6')		
6.0 – 8.0	S-4	1.9/2.0 95%	2 3 3 4		0.0	FINE to MEDIUM SAND, some silt; wet; tan w/ gray laminations (7.0'); CLAY, trace to some silt; tan w/ gray laminations (8.1')	Top of Sand @ 6.5'; #1 Sand; #5; #5	
8.0 – 10.0	S-5	1.8/2.0 90%	2 3 4 5		0.0	FINE to MEDIUM SAND, some silt, trace clay; wet; tan (8.5'); CLAY, trace to some silt; damp; tan; FINE SAND, some silt, trace clay from 9.1' to 9.3' (9.3'); SILTY CLAY, some fine sand; damp; Pinkish-red w/ lt. gray mottling	Top of Screen @ 9'; PVC well screen, 2" ID, Sch. 40, flush joint threaded; #8	

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW08 SHEET 1 OF 2

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW08

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist. %~~ (ppm)	Visual Description	Well Installation Detail				Elevation
11	S-6	1.9/2.0 95%	5 6 6 7		0.0	SILTY CLAY, some fine sand; damp; Pinkish-red w/ lt. gray laminations 11.0'					
12 12.0						FINE SAND, trace to some silt, trace clay; wet; lt gray w/ tan laminants				#1 Sand	
13	S-7	1.4/2.0 70%	7 10 11 16		0.0	SILTY CLAY, trace fine sand; tan, gray and pink from 12' to 12.4'					
14 14.0											
15	S-8	1.9/2.0 95%	9 11 13 7		0.0						
16 16.0											
17	S-9	2.0/2.0 100%	2 1 1 1		0.0	Silty clay laminant @ 17.6'	#5		#5		
18 18.0								#8		PVC well screen, 2" ID, Sch. 40, flush joint threaded	
19	S-10	1.5/2.0 75%	Weight of Hammer 12 1 2		0.0	CLAYEY SILT and FINE SAND; damp; lt. Brown from 19.2' to 19.6' 19.6'					
20 20.0						SILT, trace to some fine sand, trace clay; damp; dark gray 21.0'					
21	S-11	1.5/2.0 75%	1 1 2 1		0.0	CLAYEY SILT, trace to some fine sand; damp; gray to dark gray					
22 22.0											
23	S-12	2.0/2.0 100%	1 1/7 1/7		0.0						
24 24.0										Bottom of well @ 24' Cave-In @ 24'	
25 25.0	A-N					25.0'	#3	#3	#3	25.0'	
26						End of Boring @ 25.0'					
27											
28											
29											
30											

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW08 SHEET 2 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW09
COORDINATES: EAST: 2467488.5124 NORTH: 361893.0118
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 13.52

RIG: Mobile B-53	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-¼" ID		3/9/95	0.0-21.5	Cloudy, 40s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-5.5
Well Screen	2" ID	PVC Slotted	-5.5	-20.

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1 – 2.0	S-1	1.5/2.0 75%	2 2 6 9		1.2	SILT, some wood fragments, trace fine sand and metal fragments; dark brown	#2 #2 Bentonite Pellets to Ground Surface	
3 – 4.0	S-2	1.4/2.0 70%	9 10 12 8		0.0	2.7' FINE SAND and SILT, trace clay, glass, metal, and brick fragments; damp; lt. brown - brown	#7 PVC riser pipe, 2" ID, Sch. 40, flush joint threaded; Top of #1 Sand @ 3.5'	
5 – 6.0	S-3	0.9/2.0 45%	3 2 2 2		0.0		Top of screen @ 5.5'	
7 – 8.0	S-4	1.2/2.0 60%	2 8 5 4		0.0	7.4' FINE SAND, some clayey silt; wet; lt. gray	#5 #5 PVC well screen 2" ID, Sch. 40, flush joint threaded	
9 – 10.0	S-5	1.4/2.0 70%	4 4 8 9		0.0	SILTY CLAY and FINE SAND; damp from 8.8' to 9.7'	#8	

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW09 SHEET 1 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW09

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist. %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11 – 12 (12.0)	S-6	2.0/2.0 100%	6 6 9 2		0.0	FINE SAND, some clayey silt; wet; lt. gray (12.7')	#1 Sand	
13 – 14 (14.0)	S-7	1.6/2.0 80%	2 1 2 2		0.0	SILTY CLAY, some fine sand; damp; lt. gray, tan mottling (14.8')	#8	
15 – 16 (16.0)	S-8	1.3/2.0 65%	1 2 4 2		0.1	FINE and MEDIUM SAND, some clayey silt; wet; tan, lt. gray (16.7')	#5 #5 PVC Well Screen 2"ID, Sch.40, flush joint threaded	
17 – 18 (18.0)	S-9	1.7/2.0 85%	1 2 1 2		0.0	FINE SAND and CLAYEY SILT; wet; tan, lt. gray (21.5')		
19 – 20 (20.0)	S-10	1.5/2.0 75%	1 1 1 1		0.0			
21 (21.5)	A-N						#5 Bottom of Well @ 20.5' #3 #3 #3 Cave-In @ 21' 21.5'	
22 – 30						End of Boring @ 21.5'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW09 SHEET 2 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No.6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW10
COORDINATES: EAST: 2467728.6604 NORTH: 362376.6283
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 9.04

RIG: Mobile B-53	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-1/4" ID		3/9/95	0.0-21.5	Cloudy, 40s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS: Soil samples S-1 and S-4 submitted for laboratory analyses

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-5.5
Well Screen	2" ID	PVC Slotted	-5.5	-20

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1.0	S-1 36GW10-00	—	—		1.0	FINE SAND, some silt, trace organics; tan (1.0')	Bentonite Pellets to Ground Surface	
3.0	S-2	1.9/2.0 95%	4 6 7 10		0.0	FINE SAND, some silt, trace clay; damp; tan (3.8')	#2, #7, #2; PVC riser pipe, 2"ID, Sch.40, flush joint threaded; Top of #1 Sand @ 3'	
5.0	S-3	1.9/2.0 95%	5 6 7 8		0.4	FINE SAND and CLAYEY SILT; damp; lt. gray (5.2')		
7.0	S-4 36GW10-03	1.8/2.0 90%	3 3 4 3		0.9	CLAY, some silt, trace fine sand; damp; lt. gray (6.6')	#5, #5; Top of Screen @ 5.5'	
9.0	S-5	1.9/2.0 95%	3 3 6 6		0.0	FINE SAND, some silty clay; damp; lt. gray, tan (7.6')	#9; PVC well screen, 2"ID, Sch.40, flush joint threaded	
10	S-6	1.0/2.0 50%	3 2 3 5		0.0	FINE SAND, trace to some clayey silt; wet; lt. gray		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW10 SHEET 1 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River

S.O. NO.: 62470-303 BORING NO.: 36-GW10

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist. %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11.0						FINE SAND, trace to some clayey silt; wet; lt. gray		
12.0	S-7	1.7/2.0 85%	3 4 3 2		0.0		#1 Sand	
13.0						12.8' FINE SAND, some clayey silt laminations; wet; lt. gray w/ reddish-brown and dark tan laminations	#5 #5	
14.0	S-8	1.3/2.0 65%	1/.8 1/.8 1/.4		0.0		#8 PVC well screen 2" ID, Sch. 40, flush joint threaded	
15.0								
16.0	S-9	0.7/2.0 35%	1/1.0 1/1.0		0.0			
17.0								
18.0	S-10	1.6/2.0 80%	1 2 2 25		0.0	18.2' SILTY CLAY, some fine sand and shell fragments; partial cementation; wet; lt. gray		
19.0								
20.0	S-11	1.2/1.5 80%	42 28 30		0.0		Bottom of well @ 20.5' Cave-In @ 20.5'	
20.5								
21.0	A-N					21.5'	#3 #3 #3	21.5'
21.5						End of Boring @ 21.5'		
22								
23								
24								
25								
26								
27								
28								
29								
30								

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Graviglia

DRILLER: Jay Corron BORING NO.: 36-GW10 SHEET 2 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW10IW
COORDINATES: EAST: 2467742.1693 NORTH: 362379.7678
ELEVATION: SURFACE: TOP OF PVC CASING: 9.88

RIG: Mobile B-80 (Mud Rotary)

	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"				4/22/95	0.0-35.0	Sunny & hot	-	-
LENGTH	2.0								
TYPE	Std.								
HAMMER WT.	140 lbs.								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC	+2.0	24.0
Screen	2.0"	Schedule 40 0.01 Slot	24.0	34.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1	S-1	2.0 100%	5 5 4 3		0.5/0.5	SILT, little fine sand & clay; brown & gray; mottled; loose; damp		
2								
3	R-N							
4								
5						5.0		4.88
6	S-2	1.6 80%	3 6 6 5		0.4/0.4	CLAY, some fine sand & silt; gray; stiff; moist 6.4		3.48
7						SAND (fine), some silt, trace clay; taupe; m. dense; wet		
8								
9								
10						10.0 Match to Sheet 2		-0.12

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW10IW SHEET 1 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW10IW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11 – 12 (12.0)	S-3	1.9 95%	1 1 1 2		0.4 / 0.4	Continued from Sheet 1 SAND (Fine), some silt & clay; gray w/ red iron staining; v. loose; wet		
12 – 15 (15.0)	R-N							
15 – 17 (17.0)	S-4	0.0	WOH / 24"			No Recovery		
17 – 20 (20.0)	R-N						19.0	-9.12
20 – 22 (22.0)	S-5	1.0 50%	16 18 15 11		0.3 / 0.3	20.0 SHELL FRAGMENTS, trace fine sand, silt, & clay; partial cementation; tan w/ iron staining; dense; wet	22.0	-10.12 / -12.12
22 – 25 (25.0)	R-N						24.0	-14.12
25 – 27 (27.0)	S-6	1.1 55%	15 11 17 17		0.3 / 0.3	light gray		
27 – 30 (30.0)	R-N							

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW10IW SHEET 2 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW10IW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
31	S-7	1.7 85%	20 23 18 18		0.3 / 0.3	Continued from Sheet 1		
32 (32.0)								
33	S-8	2.0 100%	12 18 16 17		0.3 / 0.3	little to some fine sand (amt increasing w/ depth) 33.7		
34 (34.0)						SILTY SAND (fine), little clay; greenish-gray; damp 35.0	34.0	-24.12
35 (35.0)	R-N					BOH @ 35.0 ft	35.0	-25.12
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW10IW SHEET 3 OF 3

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW10DW
COORDINATES: EAST: 2467737.6800 NORTH: 362362.6600
ELEVATION: SURFACE: 7.20 TOP OF PVC CASING: 9.55

RIG: #109	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"	6.0"	8 1/4"		6-27-95	0-37.0'	Partly cloudy warm (80's)	≈ 8.0'	
LENGTH	2.0	37.0'	5.0'		6-28-95	37.0-68.0'	Partly cloudy warm (70's)	—	
TYPE	Std.	Steel	HSA						
HAMMER WT.	140 lbs.								
FALL	30"								
STICK UP									

REMARKS: Augered to 20.0' (bgs). Sampled continuously to 52.0' (bgs). Utilized 5' centers from 52.0' (bgs) to 67.0' (bgs). Well set 6-28-95. HNu background range .1-.3 ppm

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC	+2.0'	62.0' (bgs)
Screen	2.0"	Schedule 40 0.01 Slot	62.0' (bgs)	67.0' (bgs)

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1							6" steel casing	
2								
3							2" PVC riser	
4						Auger to: 20.0' (bgs)		
5	AN						cement grout	
6								
7								
8								
9								
10								

Match to Sheet 2

DRILLING CO.: Parratt Wolff, Inc BAKER REP.: J. E. Zimmerman
DRILLER: Doug Richmond BORING NO.: 36-GW10DW SHEET 1 OF 4

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW100W

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11						Continued from Sheet 1		
12							6" Steel casing	
13								
14	AN							
15						Auger to: 20.0' (bgs)	2" PVC riser	
16								
17								
18							Cement grout	
19								
20	20.0							
21	S-1	1.5/2.0	8 9		.1	SHELL FRAGMENTS/ CEMENTED SANDSTONE/ FOSSILIFEROUS LIME-STONE W/SAND, fine grained w/ trace SILT. oxidation (reddish orange) staining, micrite cement (as matrix only). Light gray to Tan and white, medium dense to dense, wet		
22	22.0	75%	10 9		.1			
23	S-2	2.0/2.0	10 13		.1			
24	24.0	100%	17 17		.1			
25	S-3	1.3/2.0	10 13		.1			
26	26.0	65%	10 11		.1			
27	S-4	1.2/2.0	13 15		.1			
28	28.0	60%	14 16		.1			
29	S-5	2.0/2.0	14 21		.1	FOSSILIFEROUS LIME-STONE / SHELL FRAG-MENTS W/ little SAND, fine grained		
30	30.0	100%	19 15		.1			

DRILLING CO.: Parratt Wolff, Inc. BAKER REP.: J.E. Zimmerman

DRILLER: Doug Richmond BORING NO.: 36-GW100W SHEET 2 OF 4

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 BORING NO.: 36-GW10DW

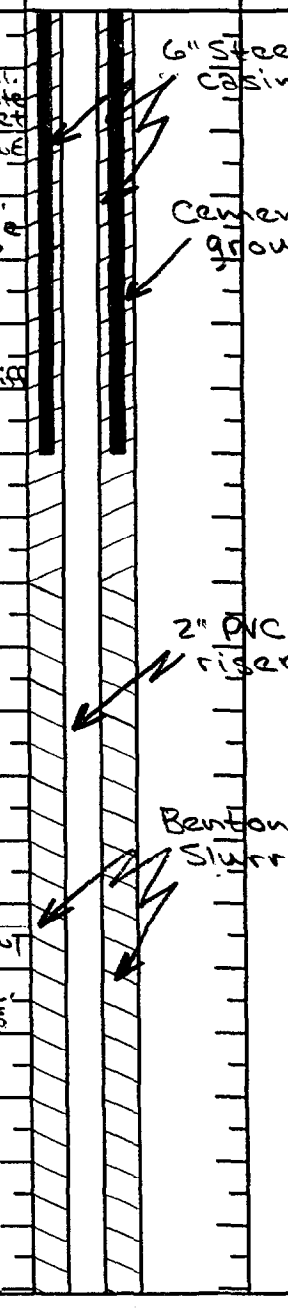
SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description
31 – 32 (32.0)	S-6	2.0/2.0 100%	14 7 14 14		.1/.1	Continued from Sheet 1 w/ trace SILT. Oxidation (reddish orange) occasional. Light brown to tan + white medium dense to dense, wet
33 – 34 (34.0)	S-7	1.2/2.0 60%	19 22 26 31		.1/.1	FOSSILIFEROUS LIMESTONE SHELL FRAGMENTS w/ trace to little SAND, fine grained w/ trace SILT and trace CLAY. Micrite cement is traceable. Light gray
35 – 36 (36.0)	S-8	1.5/2.0 75%	10 17 22 31		.1/.1	SILTY CLAY w/ little SAND, fine grained Dark greenish gray med. stiff
37 – 38 (38.0)	N					NO SAMPLE
39 – 40 (40.0)	S-9	1.2/2.0 60%	4 6 7 9		.3/.3	SILTY CLAY w/ little SAND, fine grained Dark greenish gray, stiff, moist
41 – 42 (42.0)	S-10	1.0/2.0 50%	12 17 22 26		.3/.3	
43 – 44 (44.0)	S-11	1.8/2.0 90%	7 11 22 39		.3/.3	
45 – 46 (46.0)	S-12	2.0/2.0 100%	8 22 45 63		.3/.3	SAND, fine grained w/ trace to little SILT and SHELL MATERIAL. Dark greenish gray & white v. dense, wet
47 – 50 (50.0)	N					NO SAMPLE



DRILLING CO.: Parratt Wolff, Inc. BAKER REP.: J.E. Zimmerman

DRILLER: Doug Richmond BORING NO.: 36-GW10DW SHEET ~~2~~ 3 OF 4

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 BORING NO.: 36-GW10DW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
51 – 52.0	S-13	2.0/2.0 100%	9 18 27 54		.3/.3	Continued from Sheet 1 SAND, fine grained w/ trace SILT and SHELL Greenish gray, dense, wet.	Bentonite Slurry	
53 – 55.0	N						2" PVC riser	
56 – 57.0	S-14	1.2/2.0 60%	34 50/4"		.3/.3	SAND, fine grained w/ trace SILT and little to some CEMENTED SANDSTONE w/micrite cement as matrix only and little SHELL MATERIAL. Greenish gray & white, very dense, wet.		
58 – 60.0	N						Bentonite pellets	
61 – 62.0	S-15	1.8/2.0 90%	16 20 22 32		.3/.3	SAND, fine to medium grained w/trace SILT and little SHELL MATERIAL. Greenish gray & white, dense, wet.	Sand pack	
63 – 65.0	N							
66 – 67 – 68.0	S-16	2.0/2.0 100%	32 23 29 40		.3/.3	SAND, fine to medium grained w/ trace SILT and little CEMENTED SANDSTONE w/trace SHELL MATERIAL. V. dense, wet	Well Screen	
68 – 70	N				—	END of BORING TD: 68.0' (bgs).		

DRILLING CO.: Parratt Wolff, Inc. BAKER REP.: J.E. Zimmerman

DRILLER: Doug Richmond BORING NO.: 36-GW10DW SHEET 2 OF 4

Baker
Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No.6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11
COORDINATES: EAST: 2467858.6297 NORTH: 361958.9706
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 17.65

RIG: Mobile B-53

	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"		4-¼"ID		3/9/95	0.0-25.0	Cloudy, 40s	—	—
LENGTH	2'		5'						
TYPE	STD		HSA						
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2" ID	PVC Threaded	+2.0	-9.0
Well Screen	2" ID	PVC Slotted	-9.0	-24.0

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1 – 2.0	S-1	1.2/2.0 60%	1 5 2 2		0.0	FINE SAND and SILT, trace to some clay; damp; tan, gray, lt. brown to dk. brown (fill material)	Bentonite Pellets to Ground Surface	
2.0 – 4.0	S-2	1.6/2.0 80%	1 2 3 2		0.0	Metal and trace slag fragments @ 2.5' and 3.5'	#2 #2 #1 PVC riser pipe, 2"ID, Sch.40, flush joint threaded	
4.0 – 6.0	S-3	1.1/2.0 55%	2 1 2 2		0.0	Ceramic fragments @ 5'		
6.0 – 8.0	S-4	0.9/2.0 45%	1 2 1 2		0.1	Glass and metal fragments @ 7.5' to 8'	Top of #1 Sand @ 7'	
8.0 – 10.0	S-5	0.9/2.0 45%	7 8 10 10		0.1	Glass, metal, and ceramic fragments from 8' to 10'	#5 #5 #8 Top of screen @ 9'	

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11 SHEET 1 OF 2

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	Lab. Moist %	Visual Description	Well Installation Detail	Elevation
11 – 12.0	S-6	1.1/2.0 55%	5 7 7 8		0.0	FINE SAND and SILT, trace to some clay; damp; tan, gray, lt. brown to dk. brown (fill material) wet @ 11.3' 11.5'		
12.0 – 14.0	S-7	1.0/2.0 50%	3 5 5 4		0.0	FINE SAND and CLAYEY SILT; wet; tan (natural soil) 13.5'	#1 Sand	
14.0 – 16.0	S-8	1.2/2.0 60%	3 3 2 2		0.0	FINE SAND, some silt, trace clay; wet; tan lt. gray w/ trace tan laminations from 14' to 16'	#5 #5	
16.0 – 18.0	S-9	2.0/2.0 100%	1 1 1 1		0.0		PVC well screen 2" ID, Sch. 40, flush joint threaded #8	
18.0 – 20.0	S-10	1.8/2.0 90%	2 1 2 2		0.0	Clay laminant @ 18.8' FINE and MEDIUM SAND from 19.2' to 19.5' 19.5'		
20.0 – 22.0	S-11	1.6/2.0 80%	1 2 1 2		0.0	FINE SAND and CLAYEY SILT; wet; lt. gray with tan laminations 23.1'		
22.0 – 24.0	S-12	1.3/2.0 65%	3 4 3 4		0.0	CLAYEY SILT, some fine sand and shell fragments; wet; lt. gray/tan 25.0'	Bottom of well @ 24.0' #5 25.0'	
24.0 – 25.0	A-N							
25.0 – 30						End of Boring @ 25.0'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11 SHEET 2 OF 2

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: R1/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11DW
COORDINATES: EAST: 2467869.5612 NORTH: 361960.6617
ELEVATION: SURFACE: _____ TOP OF ~~STEEL~~ PVC CASING: 18.08

RIG: B-80 Mobile Drill									
	SPLIT SPOON	CASING	AUGERS	~~CORE BARREL~~ BIT SIZE	DATE	PROGRESS (FT)	WEATHER	WATER DEPTH (FT)	TIME
SIZE (DIAM.)	2"	6"		10"/6"	2/24/95	0.0-44.0	Sunny, 60s	—	—
LENGTH	2'	43.3'			2/25/95	44.0-73.0	Sunny, 50s	—	—
TYPE	STD.	Steel		Rotary					
HAMMER WT.	140#								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

WELL INFORMATION	DIAM	TYPE	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
Well Casing	2"ID	PVC Threaded	+2.0	-67.0
Well Screen	2"ID	PVC Slotted	-67.0	-72.0

Depth (Ft.)	Sample Type and No.	Samp. Rec. Ft. & %	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
1								
2	R-N							
3							cement/ Bentonite Grout	
4								
5	5.0						6" steel Casing	
6	S-1	0.6 / 2.0 30%	2 5 6 10		0.0	SILT and FINE SAND, trace glass fragments and clay; damp; light to dark brown (Fill material)	#7	
7	7.0						PVC riser pipe, 2"ID, Sch.40 flush joint threaded	
8	R-N							
9								
10	10.0					10.0'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11DW SHEET 1 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470 - 303 BORING NO.: 36-GW11DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID ~~Lab. Moist. %~~ (ppm)	Visual Description	Well Installation Detail	Elevation
11 – 12 (12.0)	S-2	0.6 / 2.0 30%	8 9 14 15		0.0	FINE SAND, trace to some silt; wet; lt. tan-white w/ black mottling	Cement/ Bentonite Grout	
13 – 15 (15.0)	R-N					15.0'		
16 – 17 (17.0)	S-3	1.5 / 2.0 75%	2 2 3 3		0.0	SILTY CLAY and FINE SAND; damp; lt. gray w/ tan mottling	PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
18 – 20 (20.0)	R-N					20.0'	#7 6" steel casing	
21 – 22 (22.0)	S-4	1.1 / 2.0 55%	8 8 10 12		0.0	FINE SAND, some silt, trace silty clay laminants; damp; lt. gray w/ tan laminants	#0 #0 #0 #0	
23 – 25 (25.0)	R-N					25.0'		
26 – 27 (27.0)	S-5	1.5 / 2.0 75%	4 5 5 7		0.0	SILTY FINE SAND; some shell fragments; partial cementation; wet; tan - lt. Brown		
28 – 30 (30.0)	R-N					30.0'		

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11DW SHEET 2 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11DW

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
31 – 32.0	S-6	1.1/2.0 55%	30 30 17 13		0.0	SILTY FINE SAND and SHELL FRAGMENTS; partially cemented; wet; lt. tan		
32.0 – 35.0	R-N							
35 – 37.0	S-7	1.4/2.0 70%	17 20 23 24		0.0		Cement/ Bentonite Grout; #0	
37.0 – 37.8	S-8	0.6/0.8 75%	22 50/.3		0.0		#0	
37.8 – 39.0	R-N							
39.0 – 41.0	S-9	1.5/2.0 75%	24 33 26 25		0.0	lt. gray from 39.5' to 41.0'	#7	
41.0 – 43.0	S-10	1.7/2.0 85%	8 8 10 11		0.0	41.0' FINE SAND, trace to some silty clay, trace shell fragments; damp; greenish-gray 41.8' FINE SAND, trace to some silty clay; damp; greenish-gray	Bentonite slurry into steel casing	
43.0 – 44.0	R-N						6" steel casing @ 43.3'	
44.0 – 46.0	S-11	1.8/2.0 90%	9 10 11 11		0.0		Bentonite slurry	
46.0 – 48.0	S-12	1.3/2.0 65%	10 11 11 13		0.0		#2 PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
48.0 – 50.0	S-13	1.6/2.0 80%	8 7 9 17		0.0			

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11DW SHEET 3 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11DW

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate	PID (ppm)	Visual Description	Well Installation Detail	Elevation
51 – 52.0	S-14	1.9/2.0 95%	6 7 8 15		0.0	FINE SAND, trace to some silty clay; damp; greenish-gray		
53 – 54.0	S-15	1.9/2.0 95%	6 7 12 22		0.0		#2 #2 Bentonite Slurry	
55 – 56.0	S-16	1.1/2.0 55%	5 7 8 12		0.0		Top of Bentonite pellets @ 55'	
57 – 58.0	S-17	2.0/2.0 100%	4 6 9 12		0.0	57.6	#1 PVC riser pipe, 2" ID, Sch. 40, flush joint threaded	
59 – 60.0	S-18	1.8/2.0 90%	4 6 10 12		0.0	FINE SAND, trace to some clay, trace shell fragments; damp; greenish-gray	#2 #2	
61 – 61.9	S-19	1.9/1.9 100%	11 16 52 50/.4		0.0	60.7' SILT and FINE SAND, some shell fragments, trace clay; damp; partial cementation		
62 – 62.0	R-N					wet @ 62.4'		
63 – 63.9	S-20	1.9/1.9 100%	10 16 39 50/.4		0.0		Top of #1 Sand @ 64'	
65 – 70	R-N						#5 #5 Top of Screen @ 67' PVC well screen, 2" ID, Sch. 40, flush joint threaded #8	

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gavaglia
DRILLER: Jay Corron BORING NO.: 36-GW11DW SHEET 4 OF 5

Baker

Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River
S.O. NO.: 62470-303 BORING NO.: 36-GW11DW

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586) (Blows/0.5')
RQD = Rock Quality Designation (%)
Lab. Class. = USCS (ASTM D-2487) or AASHTO (ASTM D-3282)
Lab. Moist. = Moisture Content (ASTM D-2216) Dry Weight Basis

Depth (Ft.)	Sample Type and No.	Samp. Rec. (Ft. & %)	SPT or RQD	Lab. Class. or Pen. Rate		Visual Description	Well Installation Detail				Elevation
71	R-N					SILT and FINE SAND, some shell fragments, trace clay; wet; partial cementation	#5	#8	#5	#1 Sand	
2										Bottom of well @ 72.0'	
3 73.0								#5		73.0	
						End of Boring @ 73.0'					
4											
75											
6											
7											
8											
9											
80											
1											
2											
3											
4											
85											
6											
7											
8											
9											
90											

DRILLING CO.: Hardin Huber Incorporated BAKER REP.: Dave Gaviglia
DRILLER: Jay Corron BORING NO.: 36-GW11DW SHEET 5 OF 5

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW12
COORDINATES: EAST: 2467406.4722 NORTH: 362287.4632
ELEVATION: SURFACE: TOP OF PVC CASING: 11.64

RIG: Mobile B-80	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"		4 1/4"		4/23/95	0.0-21.0	Cloudy & mild	8.0	1425
LENGTH	2.0		5'						
TYPE	Std.		HSA						
HAMMER WT.	140 lbs.		-						
FALL	30"		-						
STICK UP			-						

REMARKS:

SAMPLE TYPE
S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC	+2.0	5.0
Screen	2.0"	Schedule 40 0.01 Slot	5.0	20.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm) PS/BG	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1 – 1.0	A-N			00		SILTY SAND, trace clay; brown; m. dense; dry to damp	1.0	10.64
2 – 3.0	S-1	1.7 85%	6 6 9 7		0.2/0.2		3.0	8.64
4 – 5.0	S-2	1.9 95%	6 3 4 7		0.2/0.2	4.0 CLAY, trace to little silt & fine sand; gray & orange; mottled w/ vert. stripes; m. stiff; damp	5.0	7.64 / 6.64
6 – 7.0	S-3	0.9 45%	6 4 4 6	03	0.2/0.2			
8 – 9.0	S-4	1.8 90%	4 7 6 5		0.2/0.2	sandy clay layer; moist to wet - GROUNDWATER @ 8.0 ft		
10	S-5	1.8 90%	2 3 3		0.3/0.2	Match to Sheet 2		

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW12 SHEET 1 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW12

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11 / 11.0			3			Continued from Sheet 1 10.5 SAND (fine), some silt & clay; taupe; m. stiff; wet 11.0		
12	S-6	1.3 65%	WOH 1 2 1		0.2/0.2			
13 / 13.0						SAND (fine), some silt, trace clay; gray; v. loose to loose; wet		
14	S-7	1.4 70%	3 1 2 1		0.2/0.2	trace to little clay; iron-stained laminae		
15 / 15.0								
16	S-8	1.5 75%	WOH 1 WOH/12"		0.2/0.2	clayey zone @ 16.0-16.3 ft		
17 / 17.0								
18	S-9	1.4 70%	WOR/12" 5 3		0.3/0.2	trace gravel, clay layer @ 18.0-18.2 ft 18.4		
19 / 19.0						SHELL FRAGMENTS, trace to little silt & clay; brown; m. dense; wet		
20	A-N					21.0	20.0	-8.36
21 / 21.0							21.0	-9.36
22						BOH @ 21.0 ft		
23								
24								
25								
26								
27								
28								
29								
30								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW12 SHEET 2 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW12IW
COORDINATES: EAST: 2467396.3251 NORTH: 362286.6412
ELEVATION: SURFACE: TOP OF PVC CASING: 12.15

RIG: Mobile B-80 (Mud rotary)

	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"				4/23/95	0.0-36.0	Cloudy & mild	-	-
LENGTH	2.0								
TYPE	Std.								
HAMMER WT.	140 lbs.								
FALL	30"								
STICK UP									

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC	+2.0	26.0
Screen	2.0"	Schedule 40 0.01 Slot	26.0	36

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1 – 2.0	S-1	2.0 100%	4 3 3 2		0.3 / 0.3	SILTY SAND (fine), little clay; gray, brown & rust; mottled; loose; damp		
3 – 5.0	R-N							
5.0								7.15
6 – 7.0	S-2	1.4 70%	2 3 5 7		0.3 / 0.3	CLAY, some silt, little fine sand; gray & rust; mottled; stiff; damp		
8 – 10.0	R-N							
10.0						Match to Sheet 2		2.15

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW12IW SHEET 1 OF 3

Baker

Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 BORING NO.: 36-GW12IW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11	S-3	0.8 40%	2 3 3 1		0.3/0.3	Continued from Sheet 1 SAND (fine), some silt, little clay; brown; loose; wet		
12 12.0								
13								
14								
15								
16	R-N							
17							17.0	-4.85
18								
19								
20 20.0						20.0		-7.85
21	S-4	1.0 50%	WOH 12" 17 23		0.2/0.2	SHELL FRAGMENTS, little fine sand & clay; partial cementation; tan; dense; wet	21.0	-8.85
22 22.0								
23								
24	R-N							
25 25.0								
26	S-5	1.3 65%	30 20 25 17		0.3/0.3	trace to little silt & clay; tan w/ iron staining	26.0	-13.85
27 27.0								
28								
29	R-N							
30 30.0								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW12IW SHEET 2 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW12IW

SAMPLE TYPE
S = Split Spoon
T = Shelby Tube
R = ~~Air~~ Mud Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS
SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
31	S-6	1.5 75%	32 24 26 17		0.3 / 0.3	Continued from Sheet 1 v. dense		
32 / 32.0								
33	S-7	1.5 75%	26 21 20 13		0.3 / 0.3	some silt & clay; gray; dense		
34 / 34.0								
35	S-8	1.8 90%	18 17 12 15		0.3 / 0.3	34.5 SAND (fine), some silt, little clay, trace shells; greenish-gray; v. stiff; damp 36.0		-22.35
36 / 36.0							36.0	-23.85
37						BOH @ 36.0 ft		
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Kennan BORING NO.: 36-GW12IW

Baker
Baker Environmental, Inc

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW13
COORDINATES: EAST: 2467569.1431 NORTH: 362490.5594
ELEVATION: SURFACE: TOP OF PVC CASING: 6.19

RIG: Mobile B-80

	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"		4¼"		4/24/95	0.0-20.0	Cloudy & mild	6.0	1326
LENGTH	2.0		5'						
TYPE	Std.		HSA						
HAMMER WT.	140 lbs.		-						
FALL	30"		-						
STICK UP			-						

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC		4.0
Screen	2.0"	Schedule 40 0.01 Slot	4.0	19.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm) PS/BG	Visual Description	Elevation (ft. MSL)
1 1.0	A-N			00		SILTY SAND (Fine), trace clay; brown; m. dense; damp	5.69
2 3.0	S-1	0.6 30%	9 17 12 11		0.5/0.5	trace to little clay, trace glass frag.	3.19
4 5	S-2	1.3 65%	1 3 2 1	02	0.5/0.5	black stain w/hydrocarbon odor; loose 4.4	2.19
6 7	S-3	1.8 90%	1 2 5 5	03	0.6/0.5	SANDY CLAY, little silt, trace roots; light green; m. stiff; moist to wet GROUNDWATER @ 6.0 FT.	
8 9	S-4	1.5 75%	1 2 3 3		0.6/0.5	8.2	-2.01
10	S-5	1.5 75%	WOH 1 1		0.4/0.4	SAND (Fine), some silt, little clay; olive drab; loose; moist to wet 9.0 Match to Sheet 2	-2.81

Well Installation Detail: 0.5, 3.0, 4.0

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW13 SHEET 1 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW13

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11 — 11.0			3			Continued from Sheet 1		
12 — 13 — 13.0	S-6	2.0 100%	4 4 7 8		0.5 / 0.5	SAND (Fine), some shell frag. & silt, trace clay; brown & tan; V. loose to m. dense		
14 — 15 — 15.0	S-7	1.5 75%	4 8 15 18		0.5 / 0.5	amt. of shells decreases w/ depth to "trace"		
						15.0		-8.81
16 — 17 — 17.0	S-8	1.8 90%	13 13 14 11		0.6 / 0.6	SHELL FRAG., little silt & clay; partial cementation; light tan; m. dense; wet		
18 — 19 — 19.0	S-9	1.4 70%	12 12 14 8		0.6 / 0.6	trace silt & clay; iron staining		
							19.0	-12.81
20 — 20.0	A-N					20.0	20.0	-13.81
21						BOH @ 20.0 ft		
22								
23								
24								
25								
26								
27								
28								
29								
30								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW13 SHEET 2 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW13IW
COORDINATES: EAST: 2467559.6322 NORTH: 362491.8646
ELEVATION: SURFACE: TOP OF PVC CASING: 5.98

RIG: Mobile B-80	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"		4 1/4"		4/24/95	0.0-34.0	Cloudy & mild	-	-
LENGTH	2.0		5'						
TYPE	Std.		HSA						
HAMMER WT.	140 lbs.		-						
FALL	30"		-						
STICK UP			-						

REMARKS:

SAMPLE TYPE
S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC		23.0
Screen	2.0"	Schedule 40 0.01 Slot	23.0	33.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1, 2 (2.0)	S-1	1.7 85%	4 4 4 5		0.5/0.5	SILTY SAND (Fine), trace to little clay; brown; loose; damp		
3, 4, 5 (5.0)	A-N							
						5.0 SANDY CLAY, some silt, trace roots; gray; soft; moist		0.98
6, 7 (7.0)	S-2	2.0 100%	1 1 2 2		0.5/0.5			
8, 9, 10 (10.0)	A-N							
						10.0 Match to Sheet 2		-4.02

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW13IW SHEET 1 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW13IW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11 / 12 (12.0)	S-3	1.4 70%	1/12" 1 1		0.5/0.5	Continued from Sheet 1 SAND (Fine), some silt, trace clay; olive drab; v. loose; wet		
13 / 14 / 15 (15.0)	A-N							
15 (15.0) / 16 (15.8)	S-4	1.0 100%	2 50/5"		0.5/0.5	SAND (Fine shell frag.), trace silt & clay; tan; wet (15.0 – 16.0)	15.0	-9.02
16 (15.8) / 17 / 18 / 19 / 20 (20.0)	A-N						18.0	-10.02 -12.02
21 / 22 (22.0)	S-5	1.4 70%	13 18 21 19		0.5/0.5	SHELL FRAGMENTS, little silt & clay; partial cementation; light tan; dense; wet		
23 / 24 / 25 (25.0)	A-N						23.0	-17.02
26 / 27 (27.0)	S-6	0.9 45%	17 20 18 25		0.5/0.5	sandy, trace silt & clay; brown		
28 / 29 / 30 (30.0)	A-N							

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW13IW SHEET 2 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW13IW

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
31	S-7	1.7 85%	8 8 12 7		0.5 / 0.5	Continued from Sheet 1 some silt & clay; light green 31.5		-25.52
32 32.0						SAND (fine), some silt & clay; green; m. dense; damp		
33	A-N						33.0	-27.02
34 34.0						34.0	34.0	-28.02
35						BOH @ 34.0 ft.		
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW13IW SHEET 3 OF 3

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW14
COORDINATES: EAST: 2466585.8793 NORTH: 362343.6574
ELEVATION: SURFACE: TOP OF PVC CASING: 16.25

RIG: Mobile B-80

	SPLIT SPOON	CASING	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8"		4 1/2"		4/24/95	0.0-19.0	Cloudy & mild	5.0	1629
LENGTH	2.0		5'						
TYPE	Std.		HSA						
HAMMER WT.	140 lbs.		-						
FALL	30"		-						
STICK UP			-						

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC		3.0
Screen	2.0"	Schedule 40 0.01 Slot	3.0	18.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm) PS/BG	Visual Description	Elevation (ft. MSL)
1 – 1.0	A-N			00		SILTY SAND (Fine), trace clay; brown; damp	15.25
2 – 3.0	S-1	1.3 65%	2 3 4 8		0.7 / 0.6	little clay; gray to tan; loose	13.25
4 – 5.0	S-2	1.6 80%	3 8 8 13	02	0.8 / 0.8	gray; m. dense; wet GROUNDWATER @ 5.0ft	
6 – 7.0	S-3	1.5 75%	2 3 1 1		1.0 / 1.0	6.2 CLAY, trace silt; gray; soft; moist	10.05
8 – 9.0	S-4	1.7 85%	1 1 1 1		0.8 / 0.8	7.8 CLAY, little silt, trace fine sand; gray & brown; mottled; v. soft; moist to wet	8.45
10	S-5	2.0 100%	3 5 8		0.8 / 0.8	CLAY, trace silt; gray; moist 9.9	6.35

Well Installation Detail: 1.0, 3.0

Match to Sheet 2

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn
DRILLER: Royce Keenan BORING NO.: 36-GW14 SHEET 1 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-GW14

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D-1586)(Blows/0.5')
RQD = Rock Quality Designation (%)
PID = Photoionization Detector
ppm = parts per million

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
11 — 11.0			10			Continued from Sheet 1		
12 — 13 — 13.0	S-6	1.6 80%	3 3 / 3 2		0.8 / 0.8	SILTY SAND (fine), trace to little clay; gray; loose; wet		
14 — 15 — 15.0	S-7	1.0 50%	3 3 / 3 4		1.3 / 1.3	greenish-gray		
16 — 17 — 17.0	S-8	1.4 70%	4 9 / 9 12		1.0 / 1.0	Fine to med. sand; gray; m.dense; wet		
18 — 19 — 19.0	A-N						18.0 — 19.0	-1.75 — -2.75
20						BOH @ 19.0 ft		
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

DRILLING CO.: Hardin-Huber, Inc. BAKER REP.: Mark DeJohn

DRILLER: Royce Keenan BORING NO.: 36-GW14 SHEET 2 OF 2

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-TW01
COORDINATES: EAST: 2467732.8258 NORTH: 361677.9268
ELEVATION: SURFACE: 2.60 TOP OF PVC CASING:

RIG: Geoprobe 5400

	LARGE BORE SAMPLER	LINER	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8" ID	1-1/8" ID			3/14/95	0.0-8.0	Sunny & warm	—	—
LENGTH	4.0'	4.0'							
TYPE	Piston	Plastic							
HAMMER WT.	NA								
FALL	NA								
STICK UP									

REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC	+2.0	3.0
Screen	2.0"	Schedule 40 0.01 Slot	3.0	8.0

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Well Installation Detail	Elevation (ft. MSL)
1						SAND(fine), some silt, little clay; greenish-gray; damp		
2	S-1	2.0 50%						
3							3.0	-0.40
4	4.0							
5								
6	S-2	0.0				No recovery	formation collapse	
7								
8	8.0					8.0	8.0	-5.40
9						BOH @ 8.0 ft.		
10						Match to Sheet 2		

DRILLING CO.: Microseeps, Inc BAKER REP.: Mark DeJohn
DRILLER: Art Carion BORING NO.: 36-TW01 SHEET 1 OF 1

Baker
Baker Environmental, Inc.

TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: RI/FS at OU NO. 6 - Site 36 - MCAS, New River
CTO NO.: 62470-303 BORING NO.: 36-TW02
COORDINATES: EAST: 2467916.2300 NORTH: 361688.8390
ELEVATION: SURFACE: 3.40 TOP OF PVC CASING:

RIG: Geoprobe 5400

	LARGE BORE SAMPLER	LINER	AUGERS	CORE BARREL	DATE	PROGRESS (FT.)	WEATHER	WATER DEPTH (FT.)	TIME
SIZE (DIAM.)	1-3/8" ID	1-1/8" ID			3/14/95	0.0-8.0	Sunny & warm	—	—
LENGTH	4.0'	4.0'							
TYPE	Piston	Plastic							
HAMMER WT.	NA								
FALL	NA								
STICK UP									

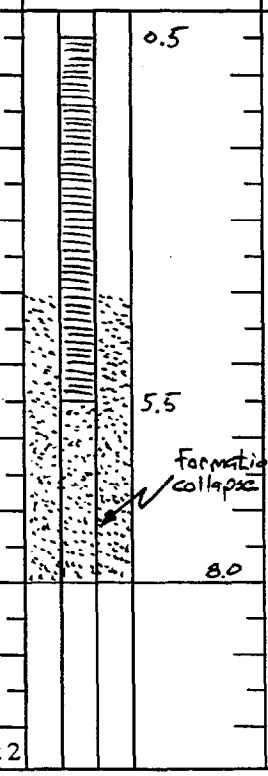
REMARKS:

SAMPLE TYPE

S = Split Spoon
T = Shelby Tube
R = Air Rotary
D = Denison
A = Auger
W = Wash
C = Core
P = Piston
N = No Sample

Well Information	Diam.	Type	Top Depth (ft.)	Bottom Depth (ft.)
Riser	2.0"	Schedule 40 PVC		
Screen	2.0"	Schedule 40 0.01 Slot		

Depth (ft.)	Samp. Type and No.	Samp. Rec. (ft. & %)	SPT or RQD	Lab ID No.	PID (ppm)	Visual Description	Elevation (ft. MSL)
1						SAND (fine), some silt, little metal & charred wood, trace clay; greenish-gray; damp	2.90
2	S-1	2.0 50%					
3							
4 (4.0)							
5							
6	S-2	0.0				No recovery	-2.10
7							
8 (8.0)							-4.60
9							
10							



Match to Sheet 2

DRILLING CO.: Microseeps, Inc. BAKER REP.: Mark DeJohn
DRILLER: Art Carion BORING NO.: 36-TW02 SHEET 1 OF 1

APPENDIX C
EXPLORATORY TEST PIT RECORDS

TEST PIT RECORD

Project: RI/FS at OU No. 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP01 Date: April 19, 1995 Weather: Sunny & mild

Endpoint Coordinates: North: 361829.2273 North: 361809.1219

East: 2467672.7414 East: 2467705.4756

Elevation: 9.00 Elevation: 8.30

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

AIR MONITORING

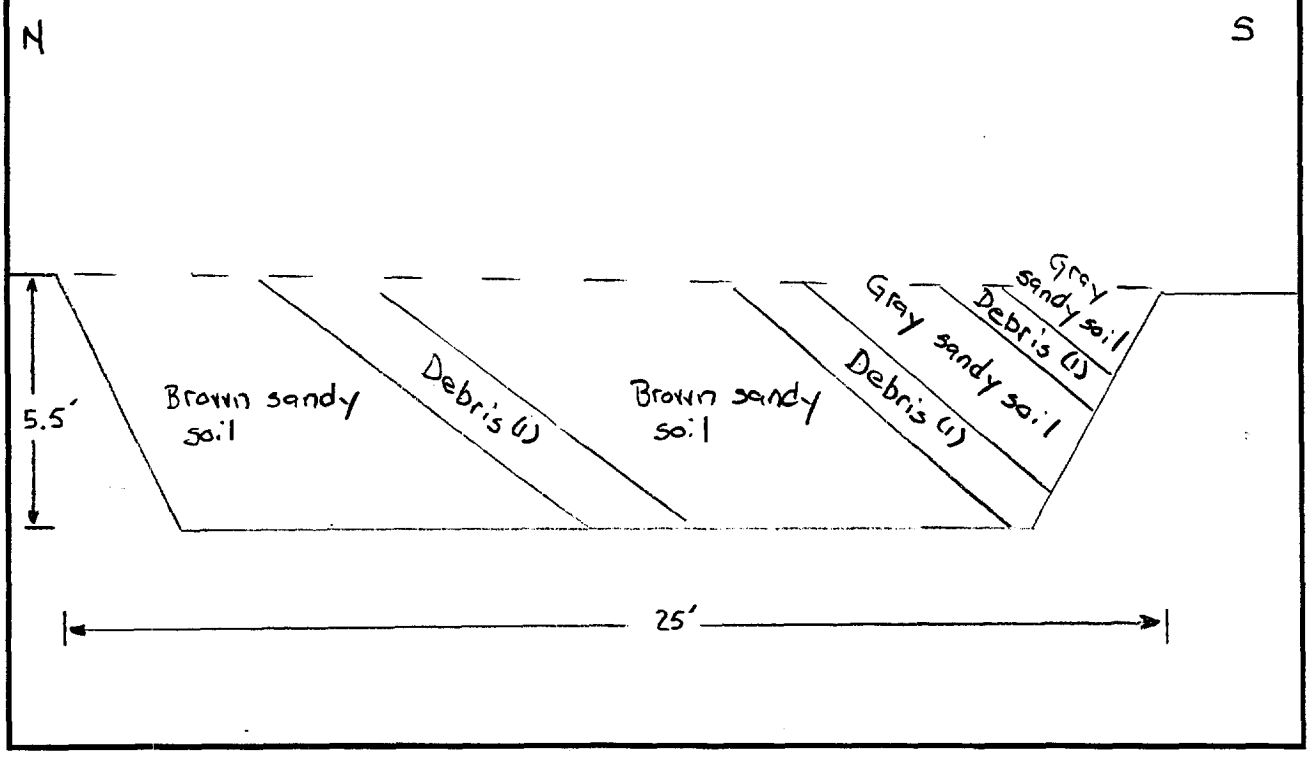
Time	PID (PS/BG)	FID (PS/BG)	Source
0849	0.1/0.1	1.0/1.0	
0857	0.1/0.1	1.0/1.0	
0907	0.4/0.1	1.0/1.0	Material from pit

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION

(1) Debris includes; a bail of wire, metal cans, one shell casing, metal straps, and glass bottles



TEST PIT RECORD

Project: RI/FS at OU No. 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP02 Date: April 19, 1995 Weather: Sunny & mild

Endpoint Coordinates: North: 361775.2000 North: 361759.9983

East: 246763.6062 East: 2467670.6597

Elevation: 8.00 Elevation: 8.20

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

AIR MONITORING

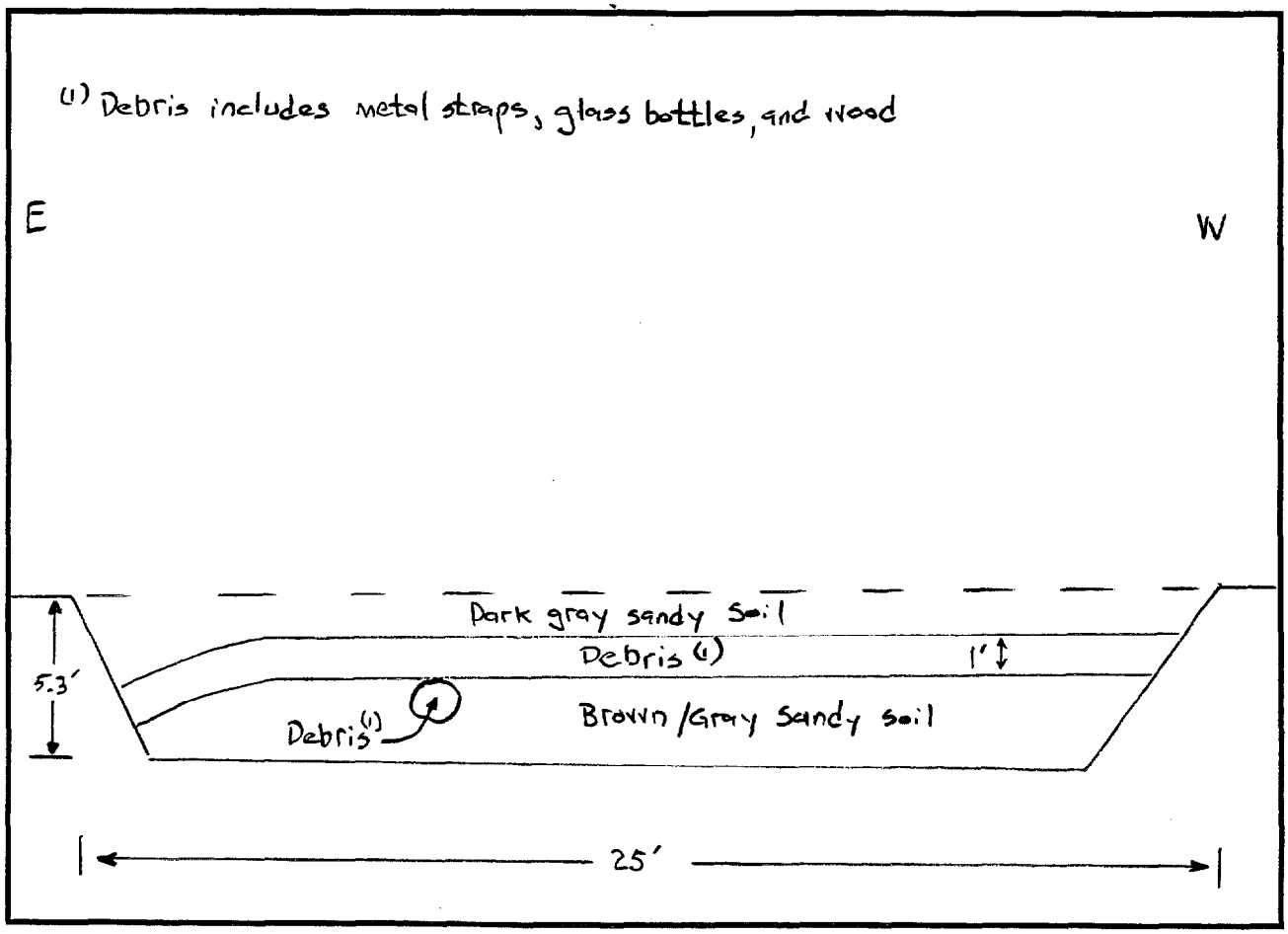
Time	PID (PS/BG)	FID (PS/BG)	Source
0955	0.4/0.4	1.0/1.0	Soil Pile
1000	0.4/0.4	1.0/1.0	Soil Pile

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION

(1) Debris includes metal straps, glass bottles, and wood



TEST PIT RECORD

Project: RI/FS at OU No. 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP03 Date: April 19, 1995 Weather: Sunny & warm

Endpoint Coordinates: North: 361971.5765 North: 361971.0704

East: 2467663.0979 East: 2467701.3646

Elevation: 9.70 Elevation: 10.80

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock Herbst

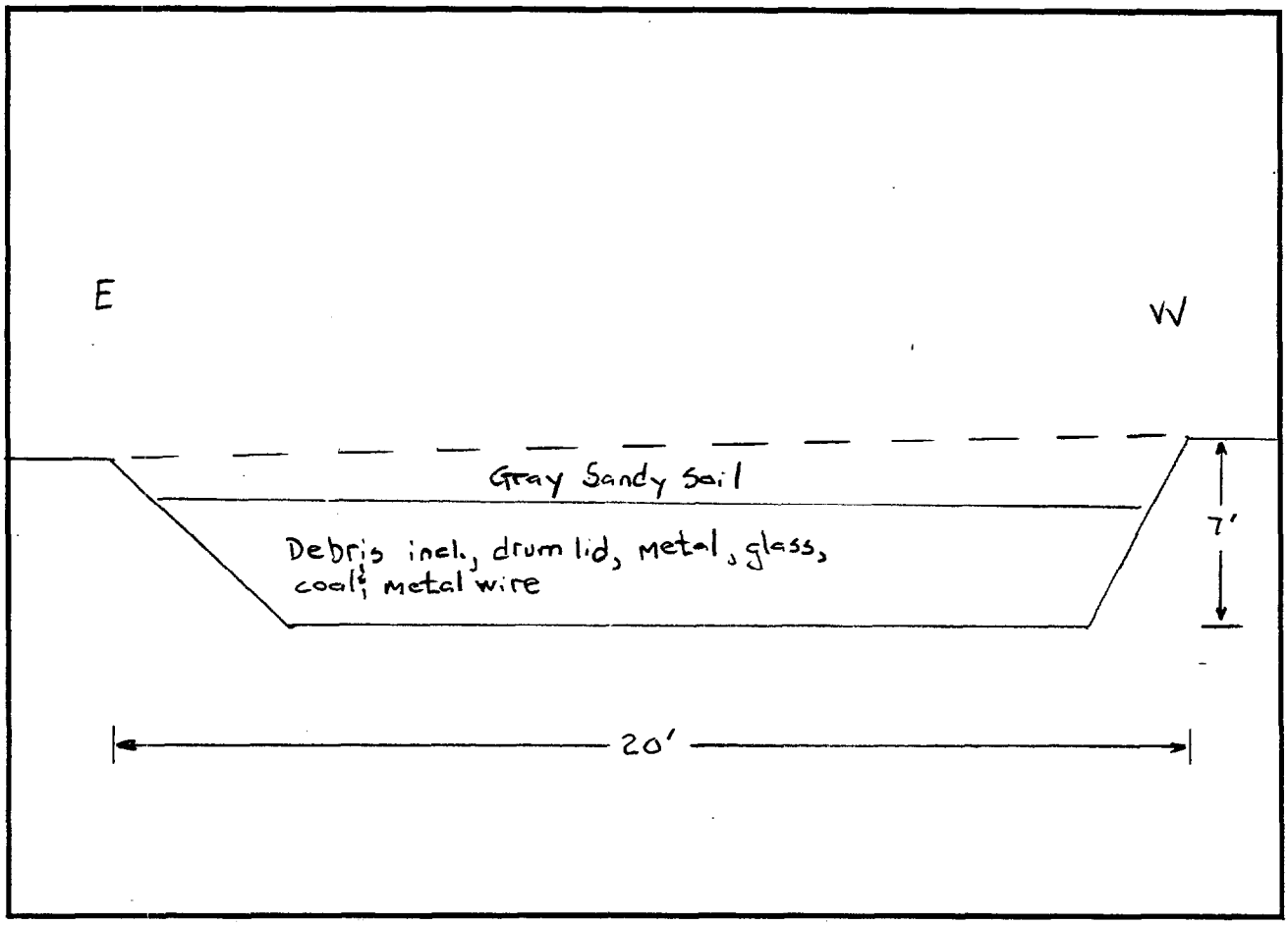
AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
1102	0.3/0.3	3.4/2.6	Debris from pit (4-5 ft)
1115	-	1.9/1.9	Soil from pit

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION



TEST PIT RECORD

Project: RI/FS at OU No 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP04 Date: April 19, 1995 Weather: Sunny & Hot

Endpoint Coordinates: North: 362009.5980 North: 362022.2852

East: 2467886.0392 East: 2467903.4588

Elevation: 13.40 Elevation: 12.30

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

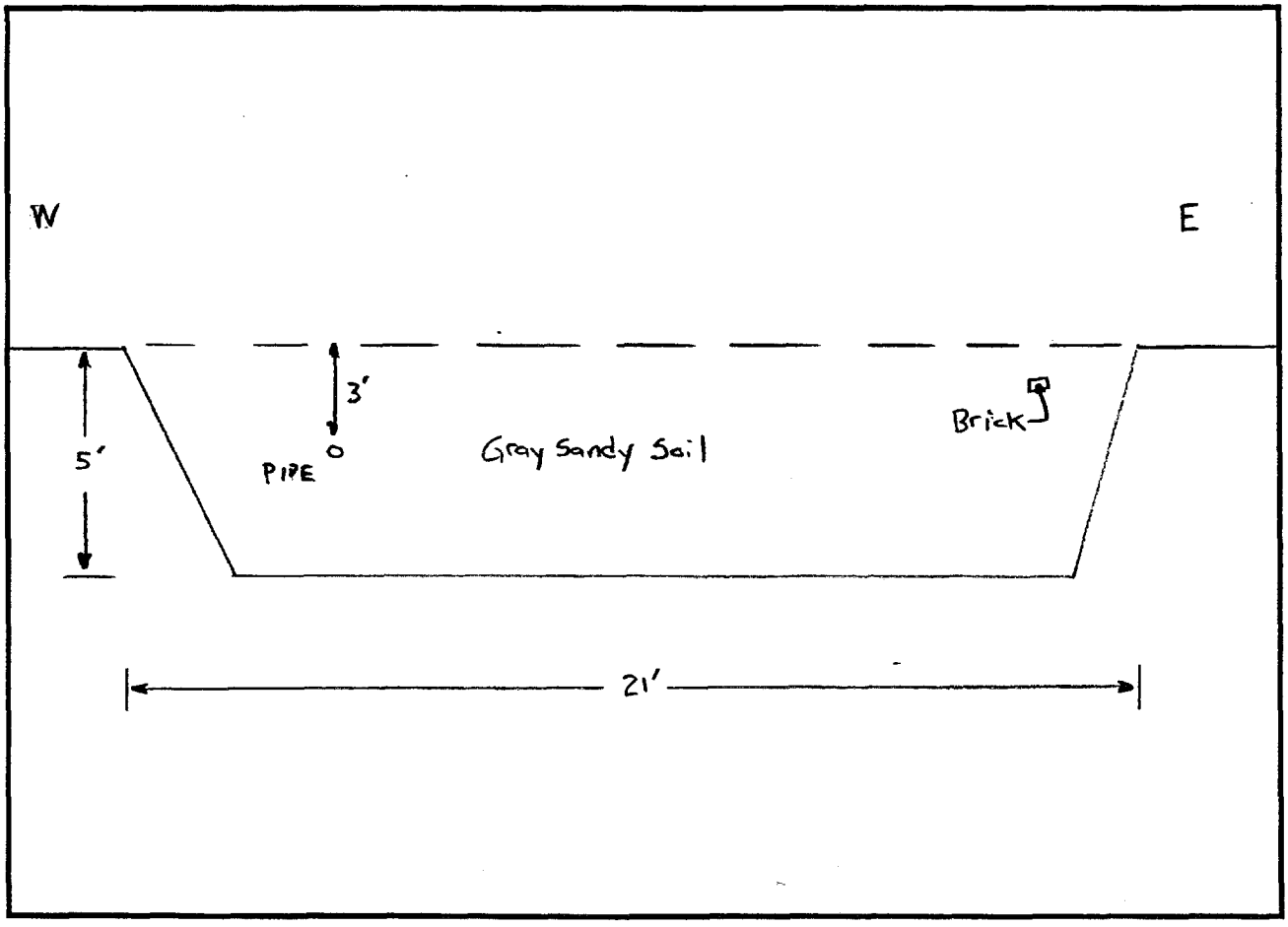
AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
1452	0.5/0.5	1.0/1.0	Soil Pile
1507	0.5/0.5	1.0/1.0	Soil Pile

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION



TEST PIT RECORD

Project: RI/FS at OU No. 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP05 Date: April 19, 1995 Weather: M. Sunny & Hot

Endpoint Coordinates: North: 361987.5034 North: 361979.5932

East: 2467895.4209 East: 2467921.2377

Elevation: 15.20 Elevation: 16.30

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
1600	0.3/0.3	1.0/1.0	-
1606	0.8/0.8	0.4/0.4	-

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION

NO SKETCH WAS MADE. HOWEVER, IT WAS NOTED THAT "A PIECE OF METAL AND A SMALL METAL CONTAINER HAVE BEEN UNEARTHED."

TEST PIT RECORD

Project: RI/FS at OU No 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP06A Date: April 20, 1995 Weather: Sunny & Warm

Endpoint Coordinates: North: 361889.2381 North: 361885.8928

East: 2467302.5535 East: 2467284.4671

Elevation: 12.40 Elevation: 13.10

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

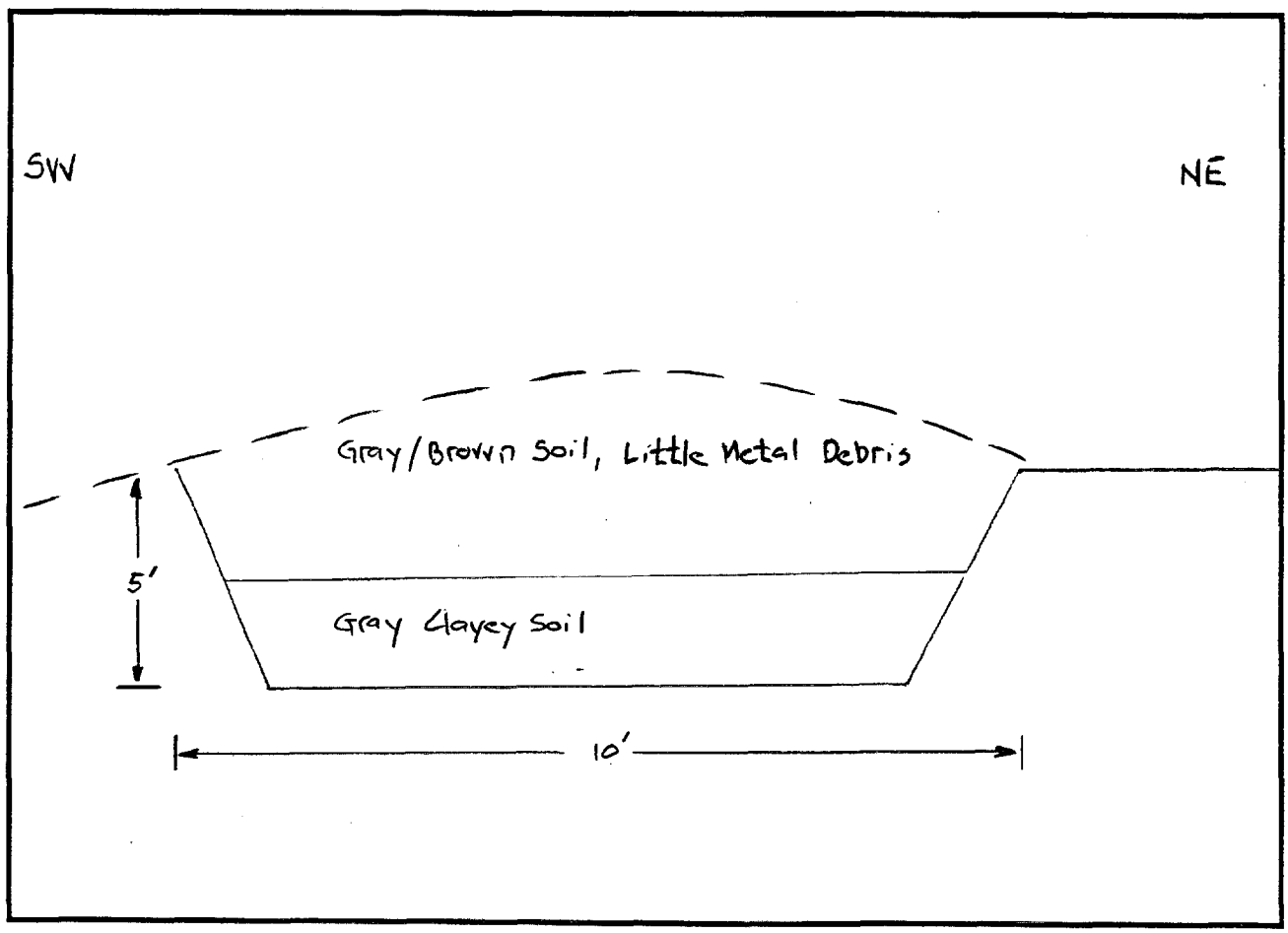
AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
0751	0.5/0.5	1.0/1.0	Soil from pit

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION



TEST PIT RECORD

Project: RI/FS at OU No 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP06 B Date: April 20, 1995 Weather: Sunny & Warm

Endpoint Coordinates: North: 361880.6675 North: 361889.2381

East: 2467303.5280 East: 24.67302.5535

Elevation: 12.30 Elevation: 12.40

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

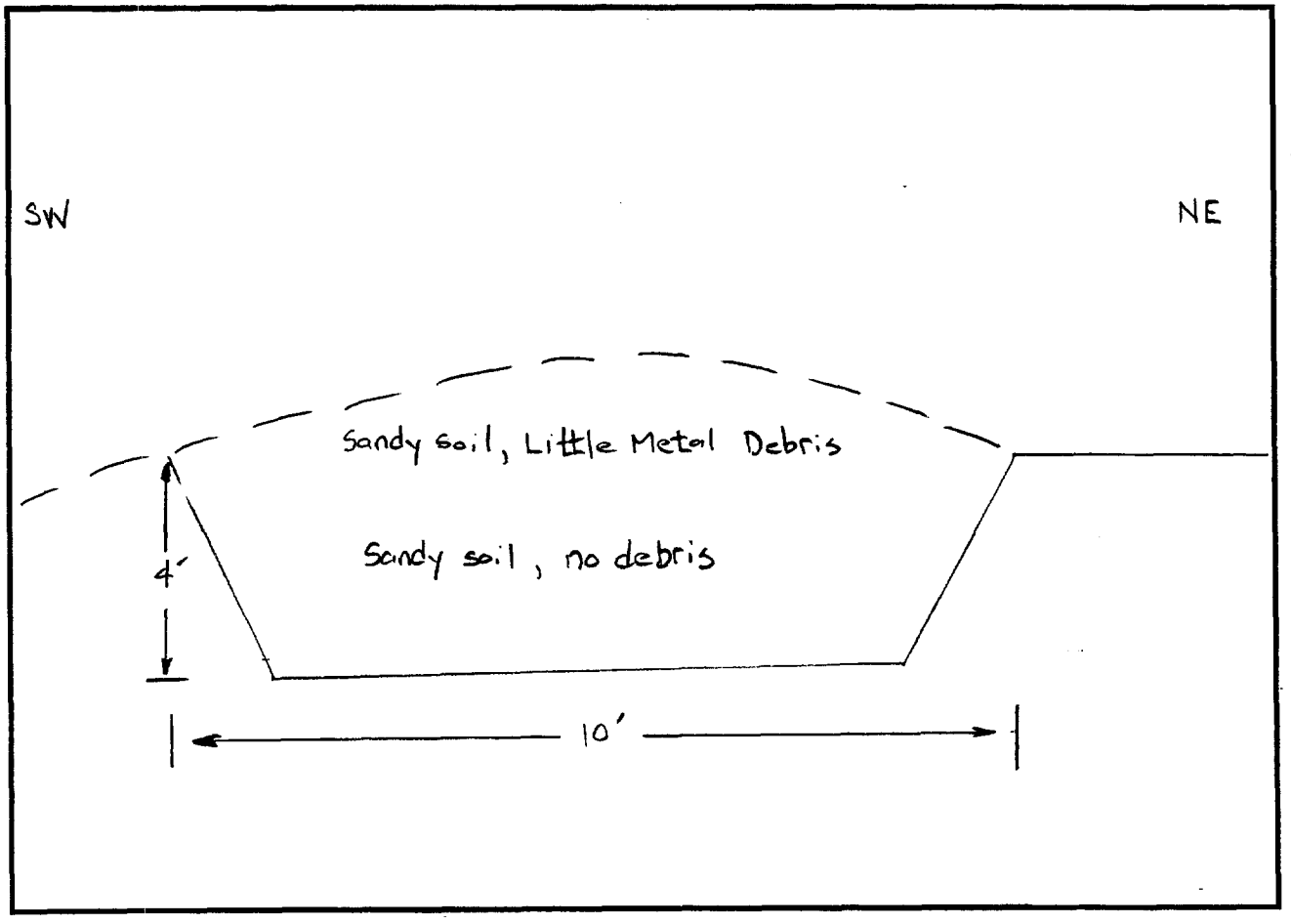
AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
0757	0.4/0.4	1.0/1.0	soil from pit

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION



TEST PIT RECORD

Project: RI/FS at OU No. 6 - Site 36 CTO No.: 303

Test Pit No.: 36-TP07 Date: April 20, 1995 Weather: Sunny & Warm

Endpoint Coordinates: North: 361775.3211 North:

East: 2467245.5684 East:

Elevation: 16.20 Elevation:

Contractor: HHI Equipment: Backhoe Baker Rep.: DeJohn, Trebilcock, Herbst

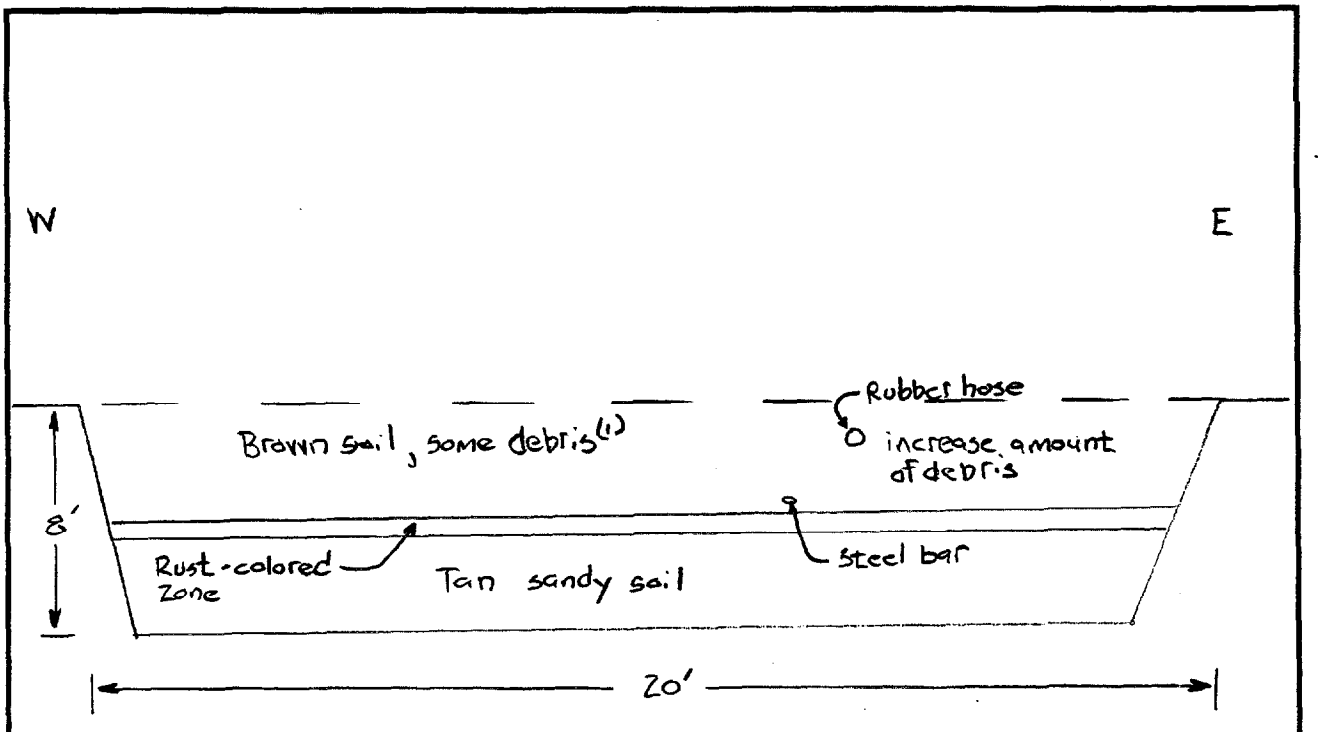
AIR MONITORING

Time	PID (PS/BG)	FID (PS/BG)	Source
0818	0.4/0.4	1.1/1.0	Soil from pit
0827	0.4/0.4	1.1/1.1	Soil from pit
0835	0.3/0.3	1.0/1.0	Soil from pit

Definitions

PID = Photo Ionization Detector
FID = Flame Ionization Detector
PS = Point Source (in ppm)
BG = Background (in ppm)

TEST PIT CROSS SECTION



(1) Debris includes concrete, bricks, metal pipe, rubber hose, batteries (small) ceramics, and glass

APPENDIX D
CHAIN-OF-CUSTODY FORMS

WESTON Analytics Use Only

COC # 30300 1

Custody Transfer Record/Lab Work Request

WESTON

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412-269-6000
AD Project Manager: Denise Waltman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																	
#/Type Container	Liquid																
	Solid																
Volume	Liquid																
	Solid																
Preservatives																	
ANALYSES REQUESTED →		ORGANIC							INORG								
		VOA	BNA	Pest/PCB	Herb				Metal	CN				# Bottles		# TAT REQUIRED	

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	WESTON Analytics Use Only												
S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish		TS 1			S	2/21/95	0940	X	X								2		72hr
		36-OF-SB01-00			S		1224			X				X					7day
		36-OF-SB01-04			S		1241												7day
		36-OF-SB06-00			S		1330												7day
		36-OF-SB06-03			S		1404												7day
		36-OF-SB05-00			S		1450												Routine
		36-OF-SB05-00D			S		1450												Routine
		36-OF-SB05-06			S		1650												Routine
		36-OF-SB03-00			S		1620												Routine
		36-OF-SB03-03			S		1643												Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

- SEE LAST COLUMN FOR TURN AROUND TIMES.
- AIRBILL # 2124804953

DATE/REVISIONS:

1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

WESTON Analytics Use Only

COC # 303001

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: Linnea Johnson/412-269-6000
AD Project Manager: Denise Weltman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	INORG Metal	CN	# Bottles	*Turn Around
	36-OF-SB02-00	X	X	S	2/21/95	1710	X	X	X		X		4	Routine
	36-OF-SB02-00D			S	2/21/95	1710							2	Routine
	36-OF-SB02-02			S	2/21/95	1721							2	Routine
	86-GW18DW-00			S	2/22/95	0745							2	Routine
	86-GW18DW-02			S	2/22/95	0804							2	Routine
	36-OF-SB04-00			S	2/22/95	0750							2	Routine
	36-OF-SB04-04			S	2/22/95	0816							2	Routine
	36-FDA-SB03-00			S	2/22/95	0910							2	7-day
	36-FDA-SB03-04			S	2/22/95	0936							2	7-day
	36-OA-SB01-00			S	2/22/95	1025							2	7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804953

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-2 1-7/91 ___ L372 ___ L373 ___ L374 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

WESTON Analytics Use Only

COC # 303001

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L Johnson / 412/269-6000
AD Project Manager: Denise Woitman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN				# Bottles	* Turn Around
		36-OA-SBC1-01			S	2/22	1031	X	X	X					X					2	7-day
		36-SIER-01			W	2/22	1315	X	X	X					X					5	Routine
		303-TB-01			W	2/22	1445	X												2	Routine

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See Last column for sample turn around times
- Airbill # 2124804953
- 303-TB-01 = Weston Trip Blank

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

WESTON Analytics Use Only

COC # 303002

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: BAKER ENVIRONMENTAL, INC.
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: LINNEA JOHNSON (412) 269-6000
AD Project Manager: DENISE WATMAN
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN			# BOTTLES			TURN AROUND
								WESTON Analytics Use Only														
		36-FCA-SB02-00			S	2/22/95	1244	X	X	X					X				2			ROUTINE
		36-FCA-SB02-01			S	2/22/95	1310															ROUTINE
		36-FCA-SB07-00			S	2/22/95	1553															7-DAY
		36-FCA-SB07-01			S	2/22/95	1556															7-DAY
		36-FCA-SB09-00			S	2/22/95	1653															7-DAY
		36-FCA-SB09-02			S	2/22/95	1718															7-DAY
		36-FCA-SB10-00			S	2/22/95	1400															ROUTINE
		36-FCA-SB10-02			S	2/22/95	1409															ROUTINE
		36-FCA-SB12-00			S	2/22/95	1454															7-DAY
		36-FCA-SB12-02			S	2/22/95	1504															7-DAY

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

- SEE LAST COLUMN FOR TURN-AROUND TIMES
- AIRBILL # 2124804964

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.T.		2/23	1530

Relinquished by	Received by	Date	Time

RFW 21-2 1/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# 1 381-596a

COC# 303002

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: BAKER ENVIRONMENTAL, INC
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: LINNEA JOHNSON (412)269-6000
AD Project Manager: DENISE WOLTMAN
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN			# BOTTLES			TURN AROUND
								WESTON Analytics Use Only														
S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP/TCLP Leachate, WI - Wipe, X - Other, F - Fish		36-SIER-02			W	2/23/95	1100	X	X	X					X				5			HOLD
		36-FCA-SB03-00			S	2/23	0744	X	X	X					X				2			7-day
		36-FCA-SB03-02			S	2/23	0803	X	X	X					X				2			7-day
		36-FCA-SB06-00			S	2/23	0842	X	X	X					X				2			Routine
		36-FCA-SB06-03			S	2/23	0900	X	X	X					X				2			Routine
		36-FCA-SB11-00			S	2/23	0947	X	X	X					X				2			Routine
		36-FCA-SB11-03			S	2/23	1004	X	X	X					X				2			Routine
		36-FCA-SB14-00			S	2/23	1119	X	X	X					X				2			7-day
		36-FCA-SB14-01			S	2/23	1121	X	X	X					X				2			7-day
		303-TB-02			W	2/23	1445	X											2			Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- SEE LAST COLUMN FOR TURN-AROUND TIMES
- AIRBILL NO. 212480496 4
- 303-TB-02 = Weston Prepared Trip Blank

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.		2/23	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 1 381-596a

COC # 303003

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: BAKER ENVIRONMENTAL INC.
Est. Final Proj. Sampling Date: 5/1/95
Work Order #:
Project Contact/Phone #: LINNEA JOHNSON (425) 6[illegible]
AD Project Manager: DENISE WOLTMAN
QC: Del TAT

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #																		
#/Type Container	Liquid																	
	Solid																	
Volume	Liquid																	
	Solid																	
Preservatives																		
ANALYSES REQUESTED →		ORGANIC							INORG									
		VOA	BNA	Pest/PCB	Herb				Metal	CN			26 BOTTLES					TURN AROUND
		WESTON Analytics Use Only																

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb				Metal	CN			26 BOTTLES			TURN AROUND
	36-BB-SB01-00			S	2/23/95	1316	X	X	X					X				2			ROUTINE
	36-BB-SB01-02			S	2/23/95	1325	X	X	X					X				2			ROUTINE
	36-B3-SB02-00			S	2/23/95	1405	X	X	X					X				2			ROUTINE
	36-BB-SB02-02			S	2/23/95	1451	X	X	X					X				2			ROUTINE
	36-FDA-SB01-00			S	2/23/95	1604	X	X	X					X				2			ROUTINE
	36-FDA-SB01-02			S	2/23/95	1620	X	X	X					X				2			ROUTINE
	36-OA-SB04-00			S	2/24/95	0830	X	X	X					X				2			ROUTINE
	36-OA-SB04-02			S	2/24/95	0846	X	X	X					X				2			ROUTINE
	36-DAD-SB03-00			S	2/24/95	0850	X	X	X					X				2			ROUTINE
	36-DAD-SB03-02			S	2/24/95	0935	X	X	X					X				2			ROUTINE

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- SEE LAST COLUMN FOR TURN AROUND TIMES.
- AIRBILL # 2124804975

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
7.7.7.		2/24	1500				

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303003

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: BAKER ENVIRONMENTAL INC
Est. Final Proj. Sampling Date: 5/1/95
Work Order #:
Project Contact/Phone #: LINDA JOHNSON (412) 269-6000
AD Project Manager: DENISE WOLFMAN
QC: Del TAT

Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN			No. Bottles			Turn Around
S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP/TCLP Leachate, WI - Wipe, X - Other, F - Fish		36-DAB-SB02-00			S	2/24/95	0941	X	X	X					X				2			Routine
		36-DAB-SB02-00D			S	2/24/95	0941	X	X	X					X				2			Routine
		36-DAB-SB01-00			S	2/24/95	0950	X	X	X					X				2			Routine
		36-DAB-SB02-00	10	38	S	2/24	0950	X	X	X	(TFT 2/24/95)				X				2			Routine
		36-DAB-SB02-02			S	2/24	1046	X	X	X					X				2			Routine
		36-DAB-SB01-00			S	2/24	1134	X	X	X					X				2			Routine
		36-DAB-SB01-01	X	X	S	2/24	1137	X	X	X					X				4			Routine
		36-DAB-SB01-01D	X	TFT 2/24	S	2/24	1137	X	X	X					X				2			Routine
		36-STER-103		TFT 2/24	WS	2/24	1300	X	X	X					X				5			Routine
		303-TB-03			W	2/24	1400	X	X	TFT 2/24									2			Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

- SEE LAST COLUMN FOR TURN-AROUND TIMES
- AIRBILL # 2124804975
- 303-TB-03 = Weston Prepared Trip Blank

DATE/REVISIONS:

1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
777.	~~15~~	2/24	1500

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91

___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# _____ Cooler# 1

381-596a

WESTON Analytics Use Only

COC# 303004

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental, Inc.
Est. Final Proj. Sampling Date: 2-24-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-788-1080
AD Project Manager: Denise Wahman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #																		
#/Type Container	Liquid																	
	Solid																	
Volume	Liquid																	
	Solid																	
Preservatives																		
ANALYSES REQUESTED →		ORGANIC							INORG									
		VOA	BNA	Pest/PCB	Herb				Metal	CN					No. Bottles		Turn Around
		WESTON Analytics Use Only																

MATRIX CODES: S - Soil; SE - Sediment; SO - Solids; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN	No. Bottles	Turn Around
	36-DAB-SB03-00			S	2/24	1135	X	X	X		X		2	Routine
	36-DAB-SB06-01			S	2/24	1255	X	X	X		X		2	Routine
	36-OA-SB07-00			S	2/24	1422							2	Routine
	36-OA-SB07-01			S	2/24	1502							2	Routine
	36-FDA-SB04-00	X	X	S	2/24	1551							4	Routine
	36-FDA-SB04-00D			S	2/24	1551							2	Routine
	36-FDA-SB04-01			S	2/24	1551							2	Routine
	36-FDA-SB06-00			S	2/25	0735							2	Routine
	36-FDA-SB06-01			S	2/25	0917							2	Routine
	36-BIER-004			W	2/25	1000							5	Hold

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804916

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	2/25/95	1230

Relinquished by	Received by	Date	Time

COC # 303004

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: [redacted]
Est. Final Proj. Sampling Date: [redacted]
Work Order #: [redacted]
Project Contact/Phone #: [redacted]
AD Project Manager: [redacted]
QC: [redacted] Del: [redacted] TAT: [redacted]

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #																	
#/Type Container	Liquid																
	Solid																
Volume	Liquid																
	Solid																
Preservatives																	
ANALYSES REQUESTED →		ORGANIC							INORG								
		VOA	BNA	Pest/PCB	Herb				Metal	CN				No. Bottles		Turn Around
		WESTON Analytics Use Only															

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected														
	36-OA-S302-00			S	2/25	1626	X	X	X					X					2		Routine
	36-OA-S302-00D			S	2/25	1626	X	X	X					X					2		Routine
	36-OA-S302-03			S	2/25	1044	X	X	X					X					2		Routine
	36-BB-S303-00			S	2/25	1145	X	X	X					X					2		Routine
	36-BB-S303-03			S	2/25	1154	X	X	X					X					2		Routine
	303-TB-01			W	2/25	1206	X												2		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

- See last column for sample turn around times
- Airbill # 2124804916
- 303-TB-04 = Weston Prepared Trip blank

DATE/REVISIONS:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	2/25/95	1230

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

WESTON Analytics Use Only

COC# 303005

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 2

Client: Baker Environmental
Est. Final Proj. Sampling Date: 6-1-95
Work Order #:
Project Contact/Phone #: L. Johnson/[illegible]
AD Project Manager: Dennis Mathews
QC: ____ Del: ____ TAT: ____

Date Rec'd: ____ Date Due: ____
Account #: ____

Refrigerator #																		
#/Type Container	Liquid																	
	Solid																	
Volume	Liquid																	
	Solid																	
Preservatives																		
ANALYSES REQUESTED →		ORGANIC							INORG									
		VOA	BNA	Pest/PCB	Herb	TPH			Metal	CN					No. Bottles		Turn Around
		WESTON Analytics Use Only																

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb	TPH			Metal	CN				No. Bottles		Turn Around
	36-FCA-SB04-00	X	X	S	2/25	1330	X	X	X					X					4		Routine
	36-FCA-SB04-02			S	2/25	1342													2		Routine
	36-FCA-SB04-00D			S	2/25	1330													2		Routine
	36-OA-SB03-00			S	2/25	1443													2		Routine
	36-OA-SB03-03			S	2/25	1509													2		Routine
	86-AST-SB01-00			S	2/25	1625													2		Routine
	86-AST-SB01-02			S	2/25	1636													2		Routine
	86-AST-SB02-00			S	2/26	0744					X								3		7-day
	86-AST-SB02-02			S	2/26	0757					X								3		7-day
	86-AST-SB02-05			S	2/26	0825					X								3		7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804920

DATE/REVISIONS:
1. ____
2. ____
3. ____
4. ____
5. ____
6. ____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # ____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	1530	2/27/95

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# 1 381-596a

COC# 303006

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 3-1-95
Work Order #:
Project Contact/Phone #: L. Johnson/Liz 265-2000
AD Project Manager: Dennis Wallmann
QC: Del: STAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	TPH			INORG Metal	CN				No. Bottles		Turn Around
	36-AST-SB08-041D			S	2/26	1606	X	X	X					X					2		Routine
	36-AST-SB09-00			S	2/26	1646	X	X	X		X			X					3		7-day
	36-AST-SB09-041			S	2/26	1709	X	X	X		X			X					3		7-day
	36-BB-SB01-00			S	2/27	0739	X	X	X					X					2		Routine
	36-BB-SB01-041			S	2/27	0748	X	X	X					X					2		Routine
	36-FDA-SB02-00			S	2/27	0851	X	X	X					X					2		Routine
	36-FDA-SB02-041			S	2/27	0920	X	X	X					X					2		Routine
	36-FDA-SB05-00			S	2/27	1021	X	X	X					X					2		7-day
	36-FDA-SB05-041			S	2/27	1026	X	X	X					X					2		7-day
	36-OA-SB08-00			S	2/27	1119	X	X	X					X					2		7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804920

DATE/REVISIONS:
1.
2.
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6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
77.7.	Fed Ex	2/27/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 2 381-596a

WESTON Analytics Use Only

COC # 303006

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: [illegible]
Est. Final Proj. Sampling Date: [illegible]
Work Order #: [illegible]
Project Contact/Phone #: [illegible]
AD Project Manager: [illegible]
QC: [illegible] Del: [illegible] TAT: [illegible]
Date Rec'd: [illegible] Date Due: [illegible]
Account #: [illegible]

Refrigerator #

#/Type Container	Liquid	Solid	Volume	Liquid	Solid	Preservatives

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solids; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN				No. Bottles		Turn Around
	36-OAS308-01			S	2/27	1123	X	X	X					X					2		7-day
	86-STER-05-02			W	2/27	1200	X	X	X					X					5		Hold
	303-TB-06			W	2/27	1300	X												2		Routine

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804920
* 303-TB-06 = Weston Prepared Trip blank

DATE/REVISIONS:
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Relinquished by	Received by	Date	Time
7.7.7.	FedEx	2/27/95	1530

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 2 381-596a

COC# 303007

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 2-[illegible]-95
Work Order #:
Project Contact/Phone: J. Johnson/[illegible]
AD Project Manager: [illegible]
QC: Del [illegible]

Date Rec'd: _____ Date Due: _____
Account #: _____

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN; No. Bottles; Turn Around

WESTON Analytics Use Only

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN	No. Bottles	Turn Around
	36-FCA-SB08-00			S	2/27 1995	1328	X	X	X		X		2	7-day
	36-FCA-SB08-01			S	2/27	1324	X	X	X		X		2	7-day
	36-FCA-SB08-01D			S	2/27	1339	X	X	X		X		2	Routine
	36-FCA-SB06-00			S	2/27	1414	X	X	X		X		2	7-day
	36-FCA-SB06-02			S	2/27	1428	X	X	X		X		2	7-day
	36-FCA-SB13-00	X	X	S	2/27	1611	X	X	X		X		4	Routine
	36-FCA-SB13-00D			S	2/27	1511	X	X	X		X		2	Routine
	36-FCA-SB13-01			S	2/27	1513	X	X	X		X		2	Routine
	36-FCA-SB01-01			S	2/27	1600	X	X	X		X		2	7-day
	36-FCA-SB01-01			S	2/27	1628	X	X	X		X		2	7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804931

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7	FedEx	2/28/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1

381-596a

WESTON Analytics Use Only

COC# 303007

Custody Transfer Record/Lab Work Request

WESTON

Client: [illegible]
Est. Final Prof. Sampling Date: [illegible]
Work Order #:
Project Contact/Phone #: [illegible]
AD Project Manager: [illegible]
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #																			
#/Type Container	Liquid																		
	Solid																		
Volume	Liquid																		
	Solid																		
Preservatives																			
ANALYSES REQUESTED		ORGANIC							INORG										
		VOA	BNA	Pest/PCB	Herb				Metal	CN							No. Bottles		Turn Around

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb				Metal	CN				No. Bottles		Turn Around
	36-OA-SB06-00			S	2/28	1656	X	X	X					X					2		7-day
	36-OA-SB06-02			S	2/28	1704	X	X	X					X					2		7-day
	36-OA-SB05-00			S	2/28	0805	X	X	X					X					2		7-day
	36-OA-SB05-02			S	2/28	0817	X	X	X					X					2		7-day
	43-MA-SB02-00			S	2/28	0938		X						X					1		Routine
	43-MA-SB02-02AD			S	2/28	0952		X						X					1		Routine
	43-MA-SB02-02	X	X	S	2/28	0952		X						X					2		Routine
	43-MA-SB05-00			S	2/28	1024		X						X					1		Routine
	43-MA-SB05-02			S	2/28	1036		X						X					1		Routine
	43-MA-SB04-00			S	2/28	1108		X						X					1		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804931

DATE/REVISIONS:
1.
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.T.	Fed Ex	2/28/95	1530

Relinquished by	Received by	Date	Time

RFW 21-2[illegible]/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303010

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client: Bayer Environmental Control
Est. Final Proj. Sampling Date: 5-11-95
Work Order #:
Project Contact/Phone #: Lawrence Johnson/412-394-6400
AD Project Manager: Dennis Workman
QC: Del: JAL

Date Rec'd: Date Due:
Account #:

Refrigerator #																	
#/Type Container	Liquid																
	Solid																
Volume	Liquid																
	Solid																
Preservatives																	
ANALYSES REQUESTED →		ORGANIC							INORG								
		VOA	BNA	Pest/PCB	Herb				Metal	CN	After-Bath Limits	Grain Size		# Bottles		Turn Around

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

WESTON Analytics Use Only

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected													
	43-OA-SB06-00			S	3/6	1355		X					X					1		7-day
	43-OA-SB06-02			S	3/6	1404		X					X					1		7-day
	36-GW07DW			S	3/6	1400									X	X		1		Routine
	43-OA-SB07-00			S	3/6	1455		X					X					1		Routine
	43-OA-SB05-00			S	3/6	1512	X	X	X				X					2		7-day
	43-OA-SB05-02			S	3/6	1518	X	X	X				X					2		7-day
	43-OA-SB05-02D			S	3/6	1518	X	X	X				X					2		7-day
	54-BB-SB01-00			S	3/7	0957	X	X	X				X					2		Routine
	54-BB-SB01-04			S	3/7	1025	X	X	X				X					2		Routine
	54-BB-SB02-00			S	3/7	1104	X	X	X				X					2		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

- See last column for sample turn around times
- Airbill # 2124804872

DATE/REVISIONS:

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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/7/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC# 303010

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-21-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412-369-6000
AD Project Manager: Denise Wohlman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #																		
#/Type Container	Liquid																	
	Solid																	
Volume	Liquid																	
	Solid																	
Preservatives																		
ANALYSES REQUESTED →		ORGANIC								INORG								
		VOA	BNA	Pest/PCB	Herb					Metal	CN					# Bottles		Turn Around
		WESTON Analytics Use Only																

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb				Metal	CN				# Bottles		Turn Around
	54-BB-SB02-OH			S	3/7	1126	X	X	X					X					2		Routine
	303-TB-09			W	3/7	1200	X												2		Routine
	54-STER-01			W	3/7	1300	X	X	X					X					5		Routine
	30-GW01-00			S	3/7	1415	X	X	X					X					2		Routine
	30-GW01-01			S	3/7	1429	X	X	X					X					2		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
* 303-TB-09 = Weston prepared trip blank
- Airbill # 2124804872

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	3/7/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1

381-596a

COC # 303012

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: BARRE ENVIRONMENTAL INC
Est. Final Proj. Sampling Date: 3/1/95
Work Order #:
Project Contact/Phone #: HUNT JOHNSON 617-719-0000
AD Project Manager: DENISE WOLTMAN
QC: Del: PAT
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN; ATTENBERG LIMITS; GRAIN SIZE; # BOTTLES; TURN AROUND

WESTON Analytics Use Only

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN	ATTENBERG LIMITS	GRAIN SIZE	# BOTTLES	TURN AROUND
	54-FS12			S	3/6	1421							X	X	1	ROUTINE
	54-GM004			S	3/6	1427							X	X	1	ROUTINE
	44-BB-SB01-004			S	3/8	1139	X	X	X		X				2	ROUTINE
	44-BB-SB01-003			S	3/8	1203	X	X	X		X				2	ROUTINE
	44-OA-SB01-004			S	3/8	1355	X	X		X	X				2	ROUTINE
	44-OA-SB01-004			S	3/8	1423	X	X		X	X				2	ROUTINE
	44-OA-SB02-004			S	3/8	1520	X	X		X	X				2	ROUTINE
	44-OA-SB02-003			S	3/8	1542	X	X		X	X				2	ROUTINE
	36-GW009-003			S	3/6	0744	X	X	X		X				2	Routine
	36-GW009-004			S	3/6	0812	X	X	X		X				2	Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- SEE LAST COLUMN FOR TURN AROUND TIMES
- AIRBILL # 2124804894

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
777.	FedEx	3/9/95	1700

Relinquished by	Received by	Date	Time

___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 1

RFW 21-21-001/A-7/91

381-596a

COC # 303012

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: [illegible]
Est. Final Proj. Sampling Date: [illegible]
Work Order #: [illegible]
Project Contact/Phone #: [illegible]
AD Project Manager: [illegible]
QC: [illegible] Del: [illegible] TAT: [illegible]

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #																
#/Type Container	Liquid															
	Solid															
Volume	Liquid															
	Solid															
Preservatives																
ANALYSES REQUESTED →		ORGANIC							INORG							
		VOA	BNA	Pest/PCB	Herb				Metal	CN				# Bottles		Turn Around
		WESTON Analytics Use Only														

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipes; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected TFT 3-9-95														
	36-OF-SB06A00			S	3/9	0903	X	X	X					X				2		Routine
	36-OF-SB06A-01			S	3/9	0907	X	X	X					X				2		
	36-GW10-00			S	3/9	0920	X	X	X					X				2		
	36-GW10-03			S	3/9	0936	X	X	X					X				2		
	36-OF-SB06B-00			S	3/9	0956	X	X	X					X				2		
	36-OF-SB06B-02			S	3/9	1008	X	X	X					X				2		
	36-OF-SB06C-00			S	3/9	1041	X	X	X					X				2		
	36-OF-SB06C-02			S	3/9	1054	X	X	X					X				2		
	36-OF-SB06D-00			S	3/9	1137	X	X	X					X				2		
	36-OF-SB06D-02			S	3/9	1206	X	X	X					X				2		

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804894
* Weston Prepared Trip Blank = 303-TB-11 (VOA Analysis) Matrix: Water Date: 3/9/95 Time: 1300

DATE/REVISIONS:
1. _____
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6. _____

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/9/95	1700

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC# 303013

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: Brake Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-600
AD Project Manager: Denise Hoffmann
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid	Solid
Volume	Liquid	Solid
Preservatives		

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN				# Bottles		Turn Around
	36-GW11-00			S	3/9	1345	X	X	X					X					2		Routine
	36-GW11-00D			S	3/9	1345	X	X	X					X					2		
	36-GW11-09			S	3/9	1402	X	X	X					X					2		
	36-GW11-06			S	3/9	1436	X	X	X					X					2		
	36-GW15IW-02			S	3/9	1432	X	X	X					X					2		
	36-OA-SB01A-00			S	3/9	1520	X	X	X					X					2		
	36-OA-SB01A-01			S	3/9	1530	X	X	X					X					2		
	36-OA-SB01B-00			S	3/9	1607	X	X	X					X					2		
	36-OA-SB01B-00D			S	3/9	1607	X	X	X					X					2		
	36-OA-SB01B-01			S	3/9	1611	X	X	X					X					2		

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804905

DATE/REVISIONS:
1.
2.
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.	FedEx	3/10/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

WESTON Analytics Use Only #

COC# 303013

Custody Transfer Record/Lab Work Request

WESTON

Client: Baker Environmental
Est. Final Proj. Sampling Date: 3/10
Work Order #:
Project Contact/Phone #: L. Johnson / 412-261-6600
AD Project Manager: Dave Workman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES: S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP/TCLP Leachate, WI - Wipes, X - Other, F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	PCB			INORG Metal	CN				# Bottles	Turn Around
								WESTON Analytics Use Only													
		36-OA-SB01C-00			S	3/9	1633	X	X	X					X					2	Routine
		36-OA-SB01C-01			S	3/9	1637	X	X	X					X					2	"
		36-OA-SB01D-00			S	3/9	1603	X	X	X					X					2	"
		36-OA-SB01D-01			S	3/9	1605	X	X	X					X					2	"
		36-SWR-05			W	3/9	1800	X	X	X					X					5	Hold
		303-TB-12			W	3/9	2000	X												2	Routine
		54-DD-SB01-00	X	X	S	3/10	0759	X	X			X			X					2	Routine
		54-DD-SB01-00D			S	3/10	0759	X	X			X			X					2	Routine
		54-DD-SB01-02			S	3/10	0804	X	X			X			X					2	Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124804905
* 303-TB-12 = Weston Prepared Trip Blank

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.T.	Fed Ex	3/10/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# 1 381-596a

WESTON Analytics Use Only

COC# 303020

Custody Transfer Record/Lab Work Request

WESTON

Client: Baker Environmental
Est. Final Proj. Sampling Date: [illegible]
Work Order #:
Project Contact/Phone #: L. Johnson/412-261-6600
AD Project Manager: [illegible]
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Volume	Preservatives
Liquid	Liquid	
Solid	Solid	

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	TPH		TSS/TDS	INORG Metal	CN	Dissolved Metals		# Bottles		Turn Around
	86-TW02-01			W	3/14	2030	X	X	X				X	X				8		Routine
	86-TW02D-01			W	3/14	2030										X		1		Routine
	86-AST-SB12-00		S	W	3/15	0754	X	X			X							3		Routine
	86-AST-SB12-03		S	W	3/15	0809	X	X			X							3		Routine
	86-AST-SB11-00		S	W	3/15	0839	X	X			X							3		Routine
	86-AST-SB11-03			S	3/15	0858	X	X			X							3		Routine
	86-AST-SB10-00			S	3/15	0931	X	X			X							3		Routine
	86-AST-SB10-04			S	3/15	0954	X	X			X							3		Routine
	86-TW01-01			W	3/15	1100	X	X	X									5		Routine
	86-STBR-03			W	3/15	1130	X											2		Hold

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - ERATCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124804850

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
TT	Fed Ex	3/15	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303020

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 2

Client: [illegible]
Est. Final Proj. Sampling Date: 5-11-95
Work Order #:
Project Contact/Phone #: 412-269-2049
AD Project Manager: Dennis Washington
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:

#/Type Container	Liquid															
	Solid															
Volume	Liquid															
	Solid															
Preservatives																

ANALYSES REQUESTED →

	ORGANIC							INORG						
	VOA	BNA	Pest/PCB	Herb				Metal	CN					
WESTON Analytics Use Only														

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected														
	303-PB-02			W	5/15/95	1145	X											2		Routine
	303-TB-17			W	5/15/95	1200	X											2		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for turn around
- Airbill # 2124804850
- ~~TB~~ 303-TB-17 = Weston Trip Blank

DATE/REVISIONS:
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Relinquished by	Received by	Date	Time
[illegible]	FedEx	5/15/95	1530

Relinquished by	Received by	Date	Time

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

RFW 21-21 -7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# _____ Cooler# 1 31-596a

WESTON Analytics Use Only

COC# 303033

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: J. Johnson/412-749-6000
AD Project Manager: Denise Wahmen
QC: Del TAT

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #

#/Type Container	Liquid														
	Solid														
Volume	Liquid														
	Solid														
Preservatives															

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	Dissolved Metals	TSS TDS	# Bottles		Turn Around
	303-TB-25			W	3/25	1300	X											2		Routine
	36-GW10-01			W	3/25	1430	X	X	X					X			X	8		Routine
	36-GWER-01			W	3/25	1510	X	X	X					X			X	6		Routine
	36-GW07DW-01			W	3/26	1020	X											3		7-day
	36-GW19DW-01			W	3/26	1115	X											3		Routine
	36-GW07-01			W	3/26	1250	X											3		7-day
	36-GW03-01			W	3/26	1430	X											3		Routine
	36-GW05-01			W	3/26	1620	X											3		Routine
	36-GW06DW-01			W	3/26	1700	X											3		7-day
	36-GW04-01			W	3/26	1810	X											3		Routine

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124805104
303-TB-25 = Weston Prepared Trip Blank

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/27/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC#303034

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5/1/95
Work Order #:
Project Contact/Phone #: L. Johnson/912-269-6000
AD Project Manager: Denise Wolfman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

ANALYSES REQUESTED →

ORGANIC: VOA, BNA, Pest/PCB, Herb
INORG: Metal, CN
TSS, TDS, Dissolved Metals, # Bottles, Turn Around

WESTON Analytics Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN	TSS	TDS	Dissolved Metals	# Bottles	Turn Around
	36-GW07DW-01			W	3/26	1020		X	X		X		X			5	Routine
	86-GW19DW-01			W	3/26	1115		X			X		X			4	Routine
	36-GW01-01			W	3/26	1250		X	X		X		X			5	Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- see last column for sample turn around time
- Airbill # 2124805104

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	3/27/95	1530

Relinquished by	Received by	Date	Time

___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 2

RFW 21-21-001/A-7/91

381-596a

COC # 303035

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-6000
AD Project Manager: Denise Wahman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	
S -	Soil
SE -	Sediment
SO -	Solid
SL -	Sludge
W -	Water
O -	Oil
A -	Air
DS -	Drum Solids
DL -	Drum Liquids
L -	EP/TCLP Leachate
WI -	Wipe
X -	Other
F -	Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	INORG Metal	CN	TSS/TDS	Dissolved Metals	# Bottles	Turn Around
	36-GW03-01			W	3/26	1430		X	X		X		X		5	Routine
	36-GW05-01			W	3/26	1620		X	X		X		X		5	Routine
	36-GW06-DW-01	✓		W	3/26											
	36-GW06-DW-01			W	3/26	1700		X	X		X		X		5	Routine

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124805104

DATE/REVISIONS:
7.7.7. 1. ~~Sample Should Read 36-GW06-DW-01~~
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/27/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 3 381-596a

COC# 303036

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-96
Work Order #:
Project Contact/Phone #: L. Johnson/512-261-6000
AD Project Manager: Denise Wahlman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	TSS TDS	Dissolved Metals		# Bottles		Turn Around
	36-GW04-01			W	3/26	1810		X	X					X		X			5		Routine
	36-GW06-01	X	X	W	3/27	0845		X	X					X		X			9		Routine

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124805104

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/27/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 4 381-596a

COC # 303037

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5/[illegible]
Work Order #:
Project Contact/Phone #: L. Arbinson/412-[illegible]
AD Project Manager: Dan Ka Wolfmar
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	TSS TDS	Dissolved Metals		# BOTTLES		Turn Around
	303-TB-26			W	3/27	0800	X												2		Routine
	36-GW06-01	X	X	W	3/27	0845	X												6		*
	36-GW06-01D			W	3/27	0845	X	X	X					X		X			8		Routine
	36-GW11DW-01			W	3/27	1030	X	X	X					X		X			8		π
	36-GWER-02			W	3/27	1110	X	X	X					X					5		Hold
	36-GW09-01			W	3/27	1145	X	X	X					X		X			8		Routine

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124805104
* = 7-day Turn around on sample only not MS/MSD results
303-TB-26 = Weston Prepared Trip Blank
π = 7-day Turn on VOA only. All else Routine

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	3/27	1530

Relinquished by	Received by	Date	Time

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 5 381-596a

WESTON Analytics Use Only

COC # 303038

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412 269-6000
AD Project Manager: Denise Washington
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid	Solid
Volume	Liquid	Solid
Preservatives		

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	TCLP	Pesticide Metals		# Bottles		Routine/Expedited
	303-TB-27			W	3/27	1300	X												2		Routine
	36-GW11-01			W	3/27	1330	X	X	X					X		X			8		*
	36-GW02-01			W	3/27	1610	X												3		Routine
	36-GW02-01D			W	3/27	1610	X												3		Routine
	36-GW08-01			W	3/27	1630	X												3		Routine
	36-GW01-01			W	3/28	0840	X												3		7-day
	54-GW05-01			W	3/28	0840	X												3		7-day
	54-GW04-01	X	X	W	3/28	1050	X											TPH	6	3	Routine
	54-GW04-01D			W	3/28	1050	X												3		Routine
	54-GW07-01			W	3/28	1055	X												3		7-day

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124805082
303-TB-27 = Weston Prepared Trip Blank
* = VOA 7-day Turn, All else Routine Turn

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	3/28/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 381-596a

WESTON Analytics Use Only

COC # 303039

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412-269-6000
AD Project Manager: Denise Wolfmeyer
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid	Solid	Volume	Liquid	Solid	Preservatives

ANALYSES REQUESTED →

ORGANIC				INORG						
VOA	BNA	Pest/PCB	Herb	Metal	CN	TSS & TDS	Dissolved Metals		# Bottles	Turn Around

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb				Metal	CN	TSS & TDS	Dissolved Metals		# Bottles	Turn Around
	36-GW02-01			W	3/27	1610		X	X					X		X			5	Routine
	36-GW02-01D			W	3/27	1610		X	X					X		X			5	Routine
	36-GW08-01			W	3/27	1630		X	X					X		X			5	Routine
	36-GW08D-01			W	3/27	1630											X		1	Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around time
- Airbill # 2124805082

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7	Fed Ex	3/28/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 2 381-596a

WESTON Analytics Use Only

COC# 303040

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 6/1/95
Work Order #:
Project Contact/Phone: [illegible] 269-[illegible]
AD Project Manager: [illegible]
QC: Del TAT
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	TSS/TDS	Dissolved Metals		# Bottles		Turn Around
		36-GW01-01			W	3/28	0840		X	X					X		X			5		Routine
		36-GW01D-01			W	3/28	0840											X		1		Routine
		54-GW05-01			W	3/28	0840		X	X	PCB only				X		X			5		Routine
		54-GW07-01			W	3/28	1055		X	X					X		X			5		Routine

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
- Airbill # 2124805082

DATE/REVISIONS:
7.7.7. 1. Sample reads 36-GW01D-01
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	3/28/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 3 381-596a

COC # 303059

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5/1-96
Work Order #:
Project Contact/Phone #: L. Johnson / 412-269-2049
AD Project Manager: Denise Wolfman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	RCRA	TCLP		INORG Metal	CN				# Bottles		Turn Around
					1995		WESTON Analytics Use Only														
	303-TB-38			W	4/19		X												2		Routine
	36-TR03			S	4/19	1106	X	X	X					X					2		Routine
	36-TP02			S	4/19	1000					X	X							1		Routine
	36-TP07			S	4/20	0819					X	X							X		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
TCLP = Full TCLP (Pest/PCB, VOA, SVOA Metals)
RCRA = Flashpoint, Reactive Cyanide Reactive Sulfide
303-TB-38 = Weston Prepared Trip Blank
- See last column for sample turn around
- Airbill # 2124805200

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	4/20/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

coc# 303061

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Prol. Sampling Date: 5-1-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-6000
AD Project Manager: Denise Wolleman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid														
	Solid														
Volume	Liquid														
	Solid														
Preservatives															

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN							Turn Around
	36-GW12-00			S	4/23	1403	X															Routine
	36-GW12-03			S	4/23	1422	X															7-day
	36-GW13-00			S	4/24	1311	X															Routine
	36-GW13-02			S	4/24	1320	X															7-day
	36-GW13-03			S	4/24	1326	X															7-day
	36-GW14-00			S	4/24	1608	X															Routine
	36-GW14-02			S	4/24	1627	X															7-day
	303-TB-410			W	4/24	1700	X															Routine

WESTON Analytics Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124805222

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.	Fed Ex	4/24/95	1800

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303074

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page ___ of ___

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-16-95
Work Order #:
Project Contact/Phone #: L. Johnson 412-269-6000
AD Project Manager: Denise Wolfman
QC: Del: HAI

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #

#/Type Container	Liquid	Solid
Volume	Liquid	Solid
Preservatives		

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN	Dissolved Metals			# Bottles		Turn Around
	43-SHC-SW02			W	5/5	1140		X	X										3		Routine
	43-SEER-01			W	5/5	1330		X	X					X					3		Routine
	36-DSW05	X	X	W	5/5	1510										X			2		Routine
	36-DSW05D			W	5/5	1510										X			1		Routine
	36-DSW06			W	5/5	1530										X			1		Routine
	36-DSW07			W	5/5	1540										X			1		Routine
	36-DSW04			W	5/5	1750										X			1		Routine
	36-DSW03			W	5/5	1810										X			1		Routine
	36-DSW02			W	5/5	1840										X			1		Routine
	36-DSW01			W	5/5	1853										X			1		Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124804791

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
T.T.T.	Fed Ex	5/6/95	1300

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303074 TFT 5-6-95

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-15-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-6000
AD Project Manager: Denise Waltman
QC: Del TAT
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	INORG Metal	CN	WESTON Analytics Use Only	# Bottles	TAT/Turn Around
	36-GS-SB05-00			S	5/6/95	1020	X	X						2	7-day ① Routine
	36-GS-SB05-01			S	5/6/95	1035	X	X						2	7-day
	36-GS-SB05-01D			S	5/6	1035	X	X						2	7-day
	36-GS-SB05-03	X	X	S	5/6	1125	X	X					TFT 5-6-95 H	2	7-day ②
	36-GS-SB05-03D			S	5/6	1125	X	X						2	Routine
	36-GS-SB02-00			S	5/6	0817	X	X						2	Routine
	36-GS-SB02-0H			S	5/6	0942	X	X						2	7-day
	36-GS-SB01-00			S	5/6	0958	X	X						2	Routine
	36-GS-SB01-04			S	5/6	1033	X	X						2	7-day
	36-GS-SB04-00			S	5/6	1145	X	X						2	Routine

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124808 4791

DATE/REVISIONS:
7.7.7. 1. 36-GS-SB05-00 gets Routine
2. disregard sample label turn around
7.7.7. 3. 36-GS-SB05-03 MS/MSD gets routine turn around
4.
5.
6.

WESTON Analytics Use Only

Samples were: 1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was: 1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7	Fed Ex	5/6/95	1300

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 2 381-596a

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-15-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412-269-6000
AD Project Manager: Denise Weltman
QC: Del TAT

Date Rec'd: _____ Date Due: _____
Account #: _____

Refrigerator #

#/Type Container	Liquid															
	Solid															
Volume	Liquid															
	Solid															
Preservatives																

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	RCRA	Full TCLP		INORG Metal	CN				#		Turn
	36-GS-SB01-03			S	5/6	1210	X	X											2		7-day
	36-RB01			S	5/6	1220					X	X							1		7-day
	303-TB-48			W	5/6	1258	X												1		Routine

WESTON Analytics Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn
303-TB-48 - Weston Trip Blank

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	5/6/95	1360

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 2 381-596a

COC# 303076

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: Exxon Environmental
Est. Final Proj. Sampling Date: 5-16-95
Work Order #:
Project Contact/Phone #: L. Johnson/512-267-6[illegible]
AD Project Manager: Dexter Workman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid	Solid	Volume	Liquid	Solid	Preservatives

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb	RCRA	Soil TCLP	Metal	CN	Dissolved Metals	TSS TDS	# Bottles	Turn Around
	303-TB-49			W	5/7	0800	X										2	Routine
	36-GS-SB03-00			S	5/7	0848	X	X									2	Routine
	36-GS-SB03-02			S	5/7	0930	X	X									2	7-day
	36-GS-SB06-00			S	5/7	0945	X	X									2	Routine
	36-GS-SB06-02			S	5/7	1025	X	X									2	7-day
	86-RB02			S	5/7	1050					X	X					1	7-day
	86-GW22TW-01			W	5/7	1205	X						X			X	5	*
	86-GW22TW-01D			W	5/7	1205	X						X			X	5	*
	86-GW28TW-01			W	5/7	1740	X						X			X	5	*
	86-GW[illegible]																	

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- see last column for sample turn around
- Airbill # 2124804824
303-TB-49 = Weston Trip Blank
*: VOA gets 7-day, All else Routine

DATE/REVISIONS:
1.
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Relinquished by	Received by	Date	Time
T.T.T.	FedEx	5/8/95	1530

Relinquished by	Received by	Date	Time

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303076

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: [redacted]
Est. Final Proj. Sampling Date: 5-15-95
Work Order #:
Project Contact/Phone #: L. Johnson / 1-912-269-6000
AD Project Manager: Denise Waltman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC: VOA	BNA	Pest/PCB	Herb				INORG: Metal	CN	Dissolved Metal	TSS/TDS					
						1995		WESTON Analytics Use Only															
S - Soil		86-GW12FW-01			W	5/5	1445	X							X			X		5			*
SE - Sediment		86-GW12FWD-01			W	5/5	1445										X			1			Routine
SO - Solid		86-GW14-01			W	5/8	1040	X												3			7-day
SL - Sludge		86-GW12IW-01			W	5/8	1235	X												3			7-day
W - Water		86-GW112-01			W	5/8	1420	X												3			7-day
O - Oil																							
A - Air																							
DS - Drum Solids																							
DL - Drum Liquids																							
L - EP/TCLP Leachate																							
WI - Wipe																							
X - Other																							
F - Fish																							

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- Airbill # 2124804824
- * = VOA gets 7-day, All else Routine

DATE/REVISIONS:
1.
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
777	FedEx	5/8/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC# 303077

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS/DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-9-95
Work Order #:
Project Contact/Phone #: L. Johnson / 412-269-6000
AD Project Manager: Renee Wolfman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

WESTON Analytics Use Only

MATRIX CODES: S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP/TCLP Leachate, WI - Wipe, X - Other, F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	Flash	React Sulfide	React Cyanide	INORG Metal	CN	TSS/TDS	Dissolved Metals	# Bottles	Turn Around
		36-GW14-01			W	5/8	1040								X		X		2	Routine
		36-GW14D-01			W	5/8	1040											X	1	Routine
		36-GW12IW-01			W	5/8	1235								X		X		2	Routine
		36-GW12-01			W	5/8	1420								X		X		2	Routine
		36-GW13IW-01			W	5/8	1820	X							X		X		5	TFT 5-9 ~~Rou~~ * ①
		303-TB-50			W	5/8	1900	X											2	Routine
		36-GWER-03			W	5/9	0700	X							X				3	Routine
		303-FB-04			W	5/9	0715	X											2	Routine
		36-GWER-04			W	5/9	1000	X							X				3 ~~2~~	TFT 5-9 Hold
		36-GW13-01			W	5/9	0915	X							X		X		5	*

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around times
*=VOAs get 7-day Turn, all else Routine
- Airbill # 2124804813
~~*~~ 303-TB-50 = weston Trip Blank
TFT 5-9-95

DATE/REVISIONS:
7.7.7. 1. 36-GW13IW-01 VOAs get 7-day
2.
3.
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	5/9/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1

381-596a

COC # 303077

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Client: Baker Environmental
Est. Final Proj. Sampling Date: 5-9-95
Work Order #:
Project Contact/Phone #: L. Johnson/412-261-2000
AD Project Manager: Denise Wolfman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																	
#/Type Container	Liquid																
	Solid																
Volume	Liquid																
	Solid																
Preservatives																	
ANALYSES REQUESTED →		ORGANIC							INORG								
		VOA	BNA	Pest/PCB	Herb	Flash			Metal	CN							
		WESTON Analytics Use Only															

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	VOA	BNA	Pest/PCB	Herb	Flash			Metal	CN						
	36-GW10IW-01	X	X	W	5/9	1140	X												5		@
	36-GW10IW-01D			W	5/9	1140	X												2		Routine
	36-TNK			W	5/9	1215	X				X								4		7-day
	86-TNKR			W	5/9	1330	X				X								4		7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
@ = VOA gets 7-day, MS/MSD get Routine
- see last column for sample turn times
- Airbill # 2124804813

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.	FedEx	5/9/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303078

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client: Baker Environmental
Est. Final Prod. Sampling Date: April 95
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-6000
AD Project Manager: Denise Waltman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1995	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb	React Cyanide	React Sulfide	INORG Metal	CN	TSS/TDS			# Bottles		Rush
	303-FB-01			W	5/9	0715		X	X				X					3		Routine
	36-GW10TW-01	X	X	W	5/9	1140							X		X			3		Routine
	36-GW10TW-01D			W	5/9	1140							X		X			2		Routine
	36-TANK			W	5/9	1215		X	X		X	X	X					6		7-day
	86-TANKR			W	5/9	1330		X	X		X	X	X					6		7-day

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachates
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn times
- Airbill # 2124804813

DATE/REVISIONS:
1.
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3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	FedEx	5/9/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 2 381-596a

COC# 303079

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Bayer Environmental
Est. Final Prof. Sampling Date: 7/11/2005
Work Order #:
Project Contact/Phone #: L. Johnson/412-269-6000
AD Project Manager: Denise Wolfman
QC: Del: TAT:

Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN; # Bottles; Turn Round

WESTON Analytics Use Only

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	Metal	CN	# Bottles	Turn Round
	303-TB-51			W	7/11	0730	X						2	~~Routine~~
	36-GW13-W-02			W	7/11	0906	X						3	7-day
	36-GW13-02			W	7/11	1008	X						3	7-day
	36-GW12-W-02			W	7/11	1208	X						3	7-day
	36-GW12-02			W	7/11	1335	X						3	7-day
	36-GWER-05			W	7/11	1620	X						3	7-day

① 7-day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn
- 303-TB-51 = Weston Trip Blank

DATE/REVISIONS:
7.7.7 1. 303-TB-51 gets 7-day Turn
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7	Fed Ex	7/11	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC# 303080

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 7-12-95
Work Order #:
Project Contact/Phone #: L. Johnson 414/269-6000
AD Project Manager: Dance Wolfman
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:	
S -	Soil
SE -	Sediment
SO -	Solid
SL -	Sludge
W -	Water
O -	Oil
A -	Air
DS -	Drum Solids
DL -	Drum Liquids
L -	EP/TCLP Leachate
WI -	Wipe
X -	Other
F -	Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN				# Bottles		Turn Around
	303-TB-52			W	7/12	0730	X												2		7-day
	36-GW10-02			W	7/11	1731	X												3		7-day
	36-GW10TW-02			W	7/11	1903	X												3		7-day
	36-GWEB-06			W	7/11	1940	X												3		7-day
	36-GW10DW-01	X	X	W	7/12	1045	X	X	X	1			1	X					3		7-day
	36-GW10DW-01D			W	7/12	1045	X												3		7-day

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
- See last column for sample turn around
- 303-TB-52 = Weston Trip Blank
36-GW10DW-01 has MS/MSD for VOAs only.

DATE/REVISIONS:
7.7.7. 1. VOAs only Cooler #1
2.
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	7/12/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# 1 381-596a

COC # 303081

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

Client: Baker Environmental
Est. Final Proj. Sampling Date: 7-12-95
Work Order #:
Project Contact/Phone #: Johnson/412-269-6000
AD Project Manager: Denise Coultman
QC: Del TAT

Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container	Liquid	Solid	Volume	Liquid	Solid	Preservatives

ANALYSES REQUESTED →

ORGANIC				INORG							
VOA	BNA	Pest/PCB	Herb	Metal	CN	TSS/TDS					

WESTON Analytics Use Only

MATRIX CODES: S - Soil, SE - Sediment, SO - Solid, SL - Sludge, W - Water, O - Oil, A - Air, DS - Drum Solids, DL - Drum Liquids, L - EP/TCLP Leachate, WI - Wipe, X - Other, F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected													
	BGCW10DW-01			SW	7/12	1545		X	X				X		X			6	7 day

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
-See last column for sample turn around

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received In Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
7.7.7.	Fed Ex	7/12/95	1530

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91

___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 2

381-596a

COC # 303082

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 2

Client: Baker Fox
Est. Final Proj. Sampling Date:
Work Order #: 6247D-3C3
Project Contact/Phone #: Rick Bonelli / 412-269-6000
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb, TOC; INORG: Metal, CN

MATRIX CODES: S - Soil; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solids; DL - Drum Liquids; L - EP/TCLP Leachate; WI - Wipe; X - Other; F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	TOC			Metal	CN						
	36-SD07-06			SE	8-7-95	1947					X										
	36-SD07-612					1945					X										
	36-SD08-06					1926					X										
	36-SD06-612					1926					X										
	36-SD05-06					1912					X										
	36-SD05-612					1910					X										
	36-SD04-06				8-8-95	1122	X	X	X		X			X	X						
	36-SD04-612					1120	X	X	X		X			X	X						
	36-SD03-06					1202					X										
	36-SD03-612					1200					X										

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
7-day turn on all samples
Except 36-SD04 06 and
36-SD04-612

DATE/REVISIONS:
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WESTON Analytics Use Only

Samples were: 1) Shipped ___ or Hand Delivered ___ Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was: 1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Relinquished by	Received by	Date	Time
		8-8-95	1700

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

RFW-21-001/A-7/91 ___ L372 ___ L373 ___ L374 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

L.C# 303082

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client: Baker Eng
Est. Final Proj. Sampling Date:
Work Order #: 62410-323
Project Contact/Phone #: Rick Fowell/412-269-6000
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb, TOC; INORG: Metal, CN

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	TOC			Metal	CN
	36-SD03-06D					1202					X				
	36-SD02-06					1222					X				
	36-SD02-612					1220					X				
	~~36-SD02-06~~														
	36-SD01-06					1235									
	36-TB01						X								

WESTON Analytics Use Only

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec'd Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[illegible]		8-8-95	1400				

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# 1 381-596a

COC # 303085

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client BAKER ENVIRONMENTAL, INC
Est. Final Proj. Sampling Date 10/18/95
Work Order # 62470-303
Project Contact/Phone # LINNEA JOHNSON/412-269-6000
AD Project Manager RICH BONELLI
QC _____ Del _____ TAT _____
Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #																
#/Type Container	Liquid															
	Solid			10												
Volume	Liquid															
	Solid			4oz												
Preservatives				—												
ANALYSES REQUESTED →			ORGANIC								INORG					
			VOA	BNA	Pest/PCB	Herb					Metal	CN				

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	WESTON Analytics Use Only												
	36-OA-SBØ1E-ØØ			SOIL	10/9	15:30			1										
	36-OA-SBØ1E-Ø2			↓	↓	15:30			1										
	36-OA-SBØ1F-ØØ					15:55			1										
	36-OA-SBØ1F-Ø2					15:55			1										
	36-OA-SBØ1G-ØØ					16:15			1										
	36-OA-SBØ1G-Ø2					16:15			1										
	36-OA-SBØ1H-ØØ					16:35			1										
	36-OA-SBØ1H-Ø2					16:35			1										
	36-OA-SBØ1I-ØØ					16:50			1										
	36-OA-SBØ1I-02			↓	↓	16:50			1										

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

7 DAY QUICK-TURN ANALYSIS

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 1-596a

COC # 303085

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client BAKER ENVIRONMENTAL, INC.
Est. Final Proj. Sampling Date 10/18/95
Work Order # 62470-303
Project Contact/Phone # LINNEA JOHNSON/412-369-6000
AD Project Manager RICH BONELLI
QC _____ Del _____ TAT _____
Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #																		
#/Type Container	Liquid	6																
	Solid																	
Volume	Liquid	40mL																
	Solid																	
Preservatives																		
ANALYSES REQUESTED →		ORGANIC							INORG									
		VOA	BNA	Pest/PCB	Herb				Metal	CN								

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	WESTON Analytics Use Only														
	86-GW04IW-02			W	10/10	1600	1														
	86-GW02IW-02			W	10/10	1240	1														
	303-TB-53			W	10/10	—	1														

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

7 DAY QUICKTURN ANALYSIS

DATE/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 381-596a

COC# 303088

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 2

Client: BAKER ENVIRONMENTAL INC
Est. Final Proj. Sampling Date: 10/16/95
Work Order #: 62470-303
Project Contact/Phone #: LINNEA JOHNSON/412-269-6000
AD Project Manager: RICH BONELLI
QC ____ Del ____ TAT ____
Date Rec'd ____ Date Due ____
Account # ____

Refrigerator #																					
#/Type Container	Liquid	14		24										1	1	1	1				
	Solid											2									
Volume	Liquid	40 mL		1 L								~~4 oz~~		250 mL	500 mL	500 mL	1 L				
	Solid											4 oz									
Preservatives																					
ANALYSES REQUESTED →		ORGANIC										INORG									
		VOA	BNA	Pest/PCB	Herb							Metal	CN	IGN	REACT. SULF.	REACT. CYN	pH				

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	WESTON Analytics Use Only														
S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish		36-SD08-01			SE	10/14/95	1105								1						
		36-SD09-01			SE	10/14/95	1108								1						
		36-GW10-03			W	10/14/95	1555			1											
		86-GW24-01			W	10/16/95	1150	1													
		86-GW25-01			W	10/15/95	1140	1													
		86-GW27-01			W	10/15/95	1455	1													
		86-GWER06			W	10/15/95	1525	1													
		303-TB-55			W	10/4/95	1115	1													
		86-GW26-01			W	10/16/95	1700	1													
		86-TWK-03			W	10/16	1730	1									1	1	1	1		

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

QT = QUICKTURN ANALYSIS (7 DAYS)

DATE/REVISIONS:
1. ____
2. ____
3. ____
4. ____
5. ____
6. ____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A 7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# ____ 1-596a

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client BAKER
Est. Final Proj. Sampling Date
Work Order #
Project Contact/Phone #
AD Project Manager
QC Del TAT
Date Rec'd Date Due
Account #

Refrigerator #																				
#/Type Container	Liquid	2																		
	Solid																			
Volume	Liquid	40mL																		
	Solid																			
Preservatives																				
ANALYSES REQUESTED →		ORGANIC							INORG											
		VOA	BNA	Pest/PCB	Herb				Metal	CN										

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	WESTON Analytics Use Only													
	86-GWER-07			W	10/16/95	1710	1													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___ Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 381-596a

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: BAKER
Est. Final Proj. Sampling Date: 5/31/96
Work Order #:
Project Contact/Phone #: R. BONELLI / 412-269-2033
AD Project Manager: D. WOLTMAN
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																	
#/Type Container	Liquid																
	Solid																
Volume	Liquid																
	Solid																
Preservatives																	
ANALYSES REQUESTED →		ORGANIC							INORG						TURNAROUND TIME (DAYS)		No. of BOTTLES
		VOA	BNA	Pest/PCB	Herb	PCB			Metal	CN							
		WESTON Analytics Use Only															

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1996	Time Collected	Pest/PCB	Herb	Metal	CN	TURNAROUND TIME (DAYS)	No. of BOTTLES
	36-0A-SB01L			S	5/31	1230	X				7	1
	36-0A-SB01M			S	5/31	1232	X				7	1
	36-0A-SB01J			S	5/31	1300		X			7	2
	36-0A-SB01K			S	5/31	1305		X			7	2
	36-0F-SB03A			S	5/31	1330	X				7	1
	36-0F-SB03B			S	5/31	1332	X				7	1
	36-0F-SB03C			S	5/31	1334	X				7	1
	36-0F-SB03D			S	5/31	1336	X				7	1
	36-0F-SB04A			S	5/31	1400		X			7	1
	36-0F-SB04B			S	5/31	1405		X			7	1

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
FAXED RESULTS DUE ON 7-DAY TURN
FED-EX AIRBILL # 1626606704

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
J.P.T.	FED-EX	5/31/96	1800				

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 381-596a

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS CONSULTANTS

Client: BAKER
Est. Final Proj. Sampling Date: 5/31/96
Work Order #:
Project Contact/Phone #: R. Borelli/412 269-2033
AD Project Manager: D. WOLTMAN
QC: ____ Del: ____ TAT: ____
Date Rec'd: ____ Date Due: ____
Account #:

Refrigerator #																			
#/Type Container	Liquid																		
	Solid																		
Volume	Liquid																		
	Solid																		
Preservatives																			
ANALYSES REQUESTED →		ORGANIC							INORG										
		VOA	BNA	Pest/PCB	Herb				Metal	CN						TURNAROUND TIME (DAYS)		No. of bottles
		WESTON Analytics Use Only																	

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 1996	Time Collected		BNA											TURNAROUND TIME (DAYS)		No. of bottles
	36-OF-SB04C			S	5/31	1407		X											7		1
	36-OF-SB04D			S	5/31	1410		X											7		1

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
FAXED RESULTS DUE ON 7 DAY TURN
FED-EX AIRBILL # 1626606704

DATE/REVISIONS:
1. ____
2. ____
3. ____
4. ____
5. ____
6. ____

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered ___
Airbill # ____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
J.P.T	FED-EX	5/31/96	1800				

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# ____ Cooler# ____ 381-596a

APPENDIX E

FIELD WELL DEVELOPMENT RECORDS

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW01

DATE: 2-23-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 0830

TIME FINISH: 1021

INITIAL WATER LEVEL (FT): 5.95'

TOTAL WELL DEPTH (TD): 22.7'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.7 GAL.

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: -

AMOUNT OF WATER ADDED DURING DRILLING: -

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr. 23 min. TOTAL TIME PUMPING

AVERAGE FLOW (GPM)(B): 1.0 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 81 GAL MEASURED

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0830	3					TURBID
0836	5					TURBID
0845	10					CLEAR
0853	15	—	—	1150	14	CLEAR
0859	20			1150	14	CLEAR
0902	23			1150	14	CLEAR
0910	26			1150	14	CLEAR
0916	31			1150	18	CLEAR
0948	36			—	—	TURBID
0958	46			1050	15	CLEAR
1003	54			1100	17	CLEAR
1008	62			1100	18	CLEAR
1017	75			1200	18	CLEAR
1021	81			-	-	CLEAR

OBSERVATIONS/NOTES

The well was surged between 920 and 943.
Conductivity was only parameter measured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW02

DATE: 2-23-95

GEOLOGIST/ENGINEER: MDSMITH

TIME START: 1103

TIME FINISH: 1242

INITIAL WATER LEVEL (FT): 6.18'

TOTAL WELL DEPTH (TD): 21.95'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.57 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: —

AMOUNT OF WATER ADDED DURING DRILLING: —

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr. 4 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 2.6 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 168 GAL. MEASURED

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1103	0	—	—	—	—	VERY TURBID
1107	6			—	—	VERY TURBID
1117	36			1250	16	TURBID
1121	49			1250	16	CLEAR
1123	55			1250	16	CLEAR
1128	71			1250	15	CLEAR
1211	92			—	—	VERY TURBID
1225	120			1400		TURBID
1228	126			1400		MILKY
1232	134			1400		SLIGHTLY MILKY
1236	142			1358		CLEAR
1242	168			1358		CLEAR

OBSERVATIONS/NOTES

The well was surged between 1130 and 1201. Conductivity / Temperature was the only parameter measured. At 1255 temperature mode failed.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW03

DATE: 2-23-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 1509

TIME FINISH: 1730

INITIAL WATER LEVEL (FT): 6.38'

TOTAL WELL DEPTH (TD): 20.90'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.5 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: –

AMOUNT OF WATER ADDED DURING DRILLING: –

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1hr. 47min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 2.5 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 266 GAL MEASURED

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1509	0	–	–	–	–	VERY TURBID
1513	6					VERY TURBID
1519	16					VERY TURBID
1531	36					VERY TURBID
1539	50	5.54		200	17	MILKY
1546	61	5.54		200	17	CLEAR
1548	64	5.39		195	17	CLEAR
1556	76	–		–	–	CLEAR
1644	112	–		–	–	TURBID
1650	164	5.53		190	17	MILKY
1654	174	5.49		190	17	SLIGHTLY TURBID
1659	187	5.49		190	17	SLIGHTLY TURBID
1707	208	5.49		190	17	SLIGHTLY TURBID
1709	213	5.49		190	18	SLIGHTLY TURBID
1714	226	5.49		190	17	SLIGHTLY TURBID
1730	266	5.45		190	17	SLIGHTLY TURBID

OBSERVATIONS/NOTES

The well was surged on 2-23-95 from 1556 – 1630. Under slightly turbid conditions at this well, the water is clear but a few grains of sand remained in the bottom of the tube.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW04

DATE: 2-22-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 1444

TIME FINISH: 1705

INITIAL WATER LEVEL (FT): 3.80'

TOTAL WELL DEPTH (TD): 22.9'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.95 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: –

AMOUNT OF WATER ADDED DURING DRILLING: –

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr 31 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 1.87 GPM

TOTAL ESTIMATED WITHDRAWAL AxB= 170 GAL MEASURED

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1444	0	–	–	–	–	VERY TURBID
1500	–					CLEAR
1542	55					CLEAR
1640	80					VERY TURBID
1657	135					CLEAR
1705	170					CLEAR

OBSERVATIONS/NOTES

The well was surged from 1550 - 1640. Initial flow from 1444 - 1542 was very irregular. The pumping system required the full time assistance of the operator.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW05

DATE: 2-22-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 1245

TIME FINISH: 1400

INITIAL WATER LEVEL (FT): 4.40'

TOTAL WELL DEPTH (TD): 27.61'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 3.78 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: —

AMOUNT OF WATER ADDED DURING DRILLING: —

DEVELOPMENT METHOD: Pumping

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr 15 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 2 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 150 GAL MEASURED

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1245	5	—	—	—	—	Clear
1256	27	↓	↓	↓	↓	Clear
1305	34	↓	↓	↓	↓	Clear
1310	45	↓	↓	↓	↓	Cloudy/Milky
1318	61	↓	↓	↓	↓	Clear
1323	71	↓	↓	↓	↓	Clear
1339	108	↓	↓	↓	↓	Clear
1400	150	↓	↓	↓	↓	Clear

OBSERVATIONS/NOTES

The well was surged the previous day. Well was developed based on visual clarity due to equipment failure.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW06

DATE: 3-8-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 0815

TIME FINISH: 1120

INITIAL WATER LEVEL (FT): 5.70'

TOTAL WELL DEPTH (TD): 19.97'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.32 GAL.

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: –

AMOUNT OF WATER ADDED DURING DRILLING: –

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hrs 44 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 1.0 GPM (measured)

TOTAL ESTIMATED WITHDRAWAL AxB=: 101 GAL (measured)

HNU/OVA READING: BACKGROUND

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0815	0					VERY TURBID
0820	5					
0835	15					
0858	20					
0916	30					
0934	45					
0948	55					
0954	60					
1036	66					
1045	74					
1054	85	6.60	18.0	150	18.0	
110	90	6.51	18.0	150	18.0	
1109	94	5.99	17.3	150	18.5	
1114	98	5.70	14.8	150	17.5	
1118	100	5.62	14.0	145	17.0	
1120	101					

OBSERVATIONS/NOTES

The well was surged 0955-1032. Lots of sand and sediment flowed into the well. Flow was variable and difficult to maintain. Operator was required to hand surge while pump was in operation, in order to maintain flow.

Baker

Baker Environmental, Inc.

FIELD WELL DEVELOPMENT RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW06 DW1

DATE: 3-11-95

GEOLOGIST/ENGINEER: M.S. HERBST

TIME START	DEVELOPMENT DATA						
1312							
TIME FINISH 1346	TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
INITIAL WATER LEVEL (FT) 7.34'	1318	55.0	8.38	19.0	400	19.0	MILKY GRAY OPAQUE
TOTAL WELL DEPTH (TD) 67.54'	1324	—	8.33	18.0	385	18.0	CLEAR WITH A SLIGHT MILKY TINGE
WELL DIAMETER (INCHES) 2.0"	1336	150.0	8.40	17.5	380	17.5	VERY CLEAR W/ SLIGHT MILKINESS.
CALCULATED WELL VOLUME 9.63 gallons	1341	—	8.36	17.5	390	17.5	VERY CLEAR
BOREHOLE DIAMETER (INCHES) -N/A-	1344	165.0	8.34	17.5	390	17.5	EXTREMELY CLEAR
BOREHOLE VOLUME -N/A-							
AMOUNT OF WATER ADDED DURING DRILLING -N/A-							
DEVELOPMENT METHOD AIRLIFT							
PUMP TYPE AIR COMPRESSOR							
TOTAL TIME (A) Ø hr. 34 min.							
AVERAGE FLOW (GPM)(B) 4.8 gpm							
TOTAL ESTIMATED WITHDRAWAL AxB= 165 gallons							
HNU/OVA READING -N/A-							

- SLIGHT SULFUR ODOR AT FIRST, BUT CLEARED UP AS THE DEVELOPMENT PROGRESSED.
- 1330 - AIR INCREASED, THEN DECREASED.
- WELL PRODUCED A LOT OF WATER
- REF: Pp 46-47 CTO 303 VOL I

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW07

DATE: 3-10-95

GEOLOGIST/ENGINEER: MDSMITH

TIME START: 1302

TIME FINISH: 1535

INITIAL WATER LEVEL (FT): 2.16'

TOTAL WELL DEPTH (TD): 20.10'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.92 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: –

AMOUNT OF WATER ADDED DURING DRILLING: –

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 0hrs 58min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 1.6 GPM

TOTAL ESTIMATED WITHDRAWAL AxB= 95GAL MEASURED

HNU/OVA READING: Background

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1302	0					VERY TURBID
1304	2					VERY TURBID
1310	15					VERY TURBID
1315	18					TURBID
1325	28	6.58	13	480	19	MILKY / TURBID
1332	35	6.16	13	450	18	SLIGHTLY TURBID
1342	50	6.24	13	430	18	VERY TURBID
1455	75	6.73	13	455	19	TURBID
1516	83	6.73	13	440	18	SLIGHTLY TURBID
1525	90	6.61	14	445	18	SLIGHTLY TURBID
1530	95	6.59	12	425	17.5	CLEAR

OBSERVATIONS/NOTES

This well was surged from 1343 to 1426 and allowed to recharge from 1441 to 1451.

Baker

Baker Environmental, Inc.

FIELD WELL DEVELOPMENT RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW07DW

DATE: 3-10-95

GEOLOGIST/ENGINEER: M. S. HERBST

TIME START	1455
TIME FINISH	1547
INITIAL WATER LEVEL (FT)	3.60'
TOTAL WELL DEPTH (TD)	65.00'
WELL DIAMETER (INCHES)	2.0"
CALCULATED WELL VOLUME	9.82 gallons
BOREHOLE DIAMETER - (INCHES)	- N/A -
BOREHOLE VOLUME	- N/A -
AMOUNT OF WATER ADDED DURING DRILLING	- N/A -
DEVELOPMENT METHOD	AIR LIFT
PUMP TYPE	AIR COMPRESSOR
TOTAL TIME (A)	Ø hr. 52 min.
AVERAGE FLOW (GPM)(B)	~ 3 gpm
TOTAL ESTIMATED WITHDRAWAL	142.0 gallons
HNU/OVA READING	- N/A -

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1503	34.0	6.88	18.0	375	18.0	FAIRLY CLEAR.
1509	52.5	6.78	19.0	375	19.0	TRANSLUCENT + MILKY.
1536	95.0	5.86	19.0	375	19.0	TRANSPARENT; SLIGHTLY MILKY
1545	135.5	5.83	19.0	380	19.0	VERY CLEAR
1547	142.0					

- REF pp. 40, 42, 43 CTO 303 VOL I.
- AIR LINE BLEW OFF COMPRESSOR AT 1511, CAUSING A DELAY IN THE DEVELOPMENT.

Baker

Baker Environmental, Inc.

FIELD WELL DEVELOPMENT RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36 - GW108

DATE: 3-9-95

GEOLOGIST/ENGINEER: M.S. HERBST

TIME START	1539
TIME FINISH	1722
INITIAL WATER LEVEL (FT)	8.29'
TOTAL WELL DEPTH (TD)	26.05'
WELL DIAMETER (INCHES)	2.0"
CALCULATED WELL VOLUME	2.84 gallons
BOREHOLE DIAMETER (INCHES)	- N/A -
BOREHOLE VOLUME	- N/A -
AMOUNT OF WATER ADDED DURING DRILLING	- N/A -
DEVELOPMENT METHOD	PUMP
PUMP TYPE	CENTRIFUGAL
TOTAL TIME (A)	1 hr. 43 min.
AVERAGE FLOW (GPM)(B)	~ 2.0 gpm
TOTAL ESTIMATED WITHDRAWAL	157.0 gallons
HNU/OVA READING	- N/A -

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1549	19.0	—	—	—	—	GRAY OPAQUE - GOOD FLOW.
1558	44.5	6.29	15.5	215	15.5	TRANSPARENT BUT SLIGHTLY MILKY
1659	110.0	5.32	14.5	190	14.5	MILKY GREEN TRANSLUCENT.
1720	154.5	5.33	15.0	210	15.0	VERY CLEAR
1722	157.0					

- SURGED WELL FROM 1623 TO 1638. (SHUT DOWN TO SURGE @ 1603, AND STARTED PUMP AGAIN AT 1645
- REF: pp 34-38 CTO 303 VOL I

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW09

DATE: 3-12-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 0926

TIME FINISH: 1219

INITIAL WATER LEVEL (FT): 8.40'

TOTAL WELL DEPTH (TD): 21.94'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.2 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: -

AMOUNT OF WATER ADDED DURING DRILLING: -

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 2hr 38 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): .25 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 40 GAL MEASURED

HNU/OVA READING: Background

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0926	—					
0935	4					TURBID, LOTS SAND
1030	START SURGING					
1045	STOP SURGING					
1108	13					TURBID, VERY
1129	18 1/4	6.31	20.4	1150	24	TURBID, VERY
1142	21 1/2	6.31	20.4	1150	24	TURBID, VERY
1151	23 3/4	5.89	20.3	1250	24	TURBID, VERY
1155	25	6.54	21.3	1200	27	TURBID, VERY
1202	26 3/4	6.68	17.1	1200	22	SLIGHTLY MILKY
1210	28 3/4	6.20	19.0	1200	24	SLIGHTLY TURBID
1219	40					

OBSERVATIONS/NOTES

Between 1026 and 1045 no constant flow established. To obtain any flow, pump and discharge value required constant attention. Flows fluctuated between 0-1/2 gpm.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW10

DATE: 3-11-95

GEOLOGIST/ENGINEER: MD SMITH

TIME START: 1330

TIME FINISH: 1624

INITIAL WATER LEVEL (FT): 5.77'

TOTAL WELL DEPTH (TD): 20.90'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 2.5 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: -

AMOUNT OF WATER ADDED DURING DRILLING: -

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr 37 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): .41 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 40 GAL MEASURED

HNU/OVA READING: Background

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1330	0	-	-	-	-	LT BROWN, OPAQUE
1516	18	7.34	15.7	650	18	MILKY
1524	22	7.10	15.7	600	18	MILKY
1530	25	7.15	12.1	600	18	MILKY
1551	29	7.10	15.3	450	16	MILKY
1605	30	7.11	17.1	650	18	MILKY
1621	35	7.07	16.0	550	18	MILKY
1624	40	7.14	12.9	550	17	MILKY

OBSERVATIONS/NOTES

Difficulty was experienced while trying to establish a constant flow. Between 1330 and 1510 steady flow could not be established. Heavy sand flow into the well constantly clogged the check valve. The well was surged from 1400 to 1415.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW10IW

DATE: 4-29-95

GEOLOGIST/ENGINEER: J. E. Zimmerman

TIME START: 0945

TIME FINISH: 1040

INITIAL WATER LEVEL (FT): 8.50 (TOC)

TOTAL WELL DEPTH (TD): 34.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 6.0

BOREHOLE VOLUME: 37.35 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: Air Lift

PUMP TYPE: Air Compressor

TOTAL TIME (A): 55 min

AVERAGE FLOW (GPM)(B): 1.27 gallons/min

TOTAL ESTIMATED WITHDRAWAL AxB=: 70 gallons

HNU/OVA READING: HNu (BG) = .3 ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0955	5.0 gal	7.91	18.1	906	17.7	Brown / Silty
1000	15.0 gal	7.89	17.6	968	17.4	Light Brown / little Silty
1010	40.0 gal	7.81	17.6	977	17.4	Clear / tr. Silt
1025	55.0 gal	7.84	17.5	982	17.5	Clear / tr. Silt
1040	70.0 gal	7.86	17.5	988	17.5	Clear / tr. Silt

OBSERVATIONS/NOTES satisfied criteria for specific conductivity, temperature and pH. HNu (PS) was drummed water. No elevated HNu readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW10DW

DATE: 7-1-95

GEOLOGIST/ENGINEER: J.E. Zimmerman

TIME START: 0810

TIME FINISH: 1045

INITIAL WATER LEVEL (FT): 7.28'

TOTAL WELL DEPTH (TD): 67.2'

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 6.0

BOREHOLE VOLUME: 11.75 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: Air Surging

PUMP TYPE:

TOTAL TIME (A): 2 hrs 35 min

AVERAGE FLOW (GPM)(B): 1.03 gallons / min.

TOTAL ESTIMATED WITHDRAWAL AxB=: 150 gallons

HNU/OVA READING: HNu(BG) = .5 ppm.

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0815	5.0 gallons	12.83	22.4	960	22.4	Brown / v. silty
0820	10.0 gallons	12.62	22.1	967	22.1	Brown / v. silty
0825	15.0 gallons	12.32	21.4	974	21.4	Brown / v. silty
0830	20.0 gallons	12.16	20.6	978	20.6	Brown / v. silty
0835	25.0 gallons	12.14	20.6	980	20.6	Brown / v. silty
0840	30.0 gallons	11.93	19.0	980	19.0	Brown / v. silty
0845	35.0 gallons	11.87	19.5	980	19.5	Lt. Brown / little silty
0850	40.0 gallons	11.85	18.6	980	18.6	Lt. Brown / little silty
0855	45.0 gallons	11.81	18.8	980	18.8	Lt. Brown / little silty
0900	50.0 gallons	11.68	18.6	980	18.6	Lt. Brown / little silty
0905	55.0 gallons	11.46	18.9	980	18.9	Lt. Brown / little silty
0910	60.0 gallons	11.15	18.6	980	18.6	Lt. Brown / little silty
0915	65.0 gallons	10.93	19.0	980	19.0	Lt. Brown / little silty
0920	70.0 gallons	10.67	18.9	980	18.9	Lt Brown / little silty
0925	75.0 gallons	10.57	18.8	980	18.8	Lt. Brown / little silty
0930	80.0 gallons	10.47	18.9	980	18.9	Lt. Brown / little silty

OBSERVATIONS/NOTES Satisfied criteria for well development (pH, specific conductivity and temperature). Point source was drummed water. No elevated HNu readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6 - Site 36 MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW10DW

DATE: 7-1-95 (page 2)

GEOLOGIST/ENGINEER: J. E. Zimmerman

TIME START

TIME FINISH

INITIAL WATER LEVEL (FT)

TOTAL WELL DEPTH (TD)

WELL DIAMETER (INCHES)

CALCULATED WELL VOLUME

BOREHOLE DIAMETER (INCHES)

BOREHOLE VOLUME

AMOUNT OF WATER ADDED DURING DRILLING

DEVELOPMENT METHOD

PUMP TYPE

TOTAL TIME (A)

AVERAGE FLOW (GPM)(B)

TOTAL ESTIMATED WITHDRAWAL AxB =

HNU/OVA READING

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0935	85.0 gallons	10.29	19.4	980	19.4	Lt. Brown/little silty
0940	90.0 gallons	10.19	19.3	980	19.3	Lt. Brown/little silty
0945	95.0 gallons	10.08	19.3	980	19.3	Lt. Brown/little silty
0950	100.0 gallons	10.01	19.1	980	19.1	Lt. Brown/little silty
0955	105.0 gallons	9.94	19.6	980	19.6	Lt. Brown/little silty
1000	110.0 gallons	9.79	19.4	980	19.4	Lt. Brown/little silty
1005	115.0 gallons	9.65	19.1	980	19.1	Clearing/tr. silt
1010	120.0 gallons	9.59	19.0	980	19.0	Clearing/tr. silt
1015	125.0 gallons	9.55	19.0	980	19.0	Clear/tr. silt
1020	130.0 gallons	9.53	18.9	980	18.9	Clear/tr. silt
1025	135.0 gallons	9.45	19.2	980	19.2	Clear/tr. silt
1030	140.0 gallons	9.43	19.1	980	19.1	Clear/tr. silt
1035	145.0 gallons	9.39	19.3	980	19.3	Clear/tr. silt
1040	150.0 gallons	9.28	19.2	980	19.2	Clear/tr. silt
1045	—	—	—	—	—	—

OBSERVATIONS/NOTES

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc

PROJECT: SITE 36

CTO NO.: 303 WELL NO.: 36-GW11

DATE: 3-11-95

GEOLOGIST/ENGINEER: MDSMITH

TIME START: 823

TIME FINISH: 1112

INITIAL WATER LEVEL (FT): 14.05'

TOTAL WELL DEPTH (TD): 25.05'

WELL DIAMETER (INCHES): 2"

CALCULATED WELL VOLUME: 1.79 GAL

BOREHOLE DIAMETER (INCHES): UNKNOWN

BOREHOLE VOLUME: —

AMOUNT OF WATER ADDED DURING DRILLING: —

DEVELOPMENT METHOD: PUMPING

PUMP TYPE: CENTRIFUGAL

TOTAL TIME (A): 1 hr 23 min TOTAL PUMPING TIME

AVERAGE FLOW (GPM)(B): 1.27 GPM

TOTAL ESTIMATED WITHDRAWAL AxB = 105 GAL MEASURED

HNU/OVA READING: Background

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
823	0					VERY TURBID
851	45					TURBID
855	60					CLEAR
1048	75	7	25	1150	20	SLIGHTLY TURBID
1100	9	5.44	21	1250	22.5	SLIGHTLY TURBID
1106	100	5.86	19.7	1200	23	CLEAR
1108	102	5.92	18.9	1250	23	CLEAR
1112	105	5.89	17.7	1250	23	CLEAR

OBSERVATIONS/NOTES

The well was surged from 0823 to 0855. Pump failure was also experienced during this time period.

Baker

Baker Environmental, Inc.

FIELD WELL DEVELOPMENT RECORD

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW11-DW

DATE: 3-11-95

GEOLOGIST/ENGINEER: M.S. HERBST

TIME START	0902
TIME FINISH	0955
INITIAL WATER LEVEL (FT)	16.10'
TOTAL WELL DEPTH (TD)	69.22'
WELL DIAMETER (INCHES)	2.0"
CALCULATED WELL VOLUME	8.50 gallons
BOREHOLE DIAMETER (INCHES)	-N/A-
BOREHOLE VOLUME	-N/A-
AMOUNT OF WATER ADDED DURING DRILLING	-N/A-
DEVELOPMENT METHOD	AIR LIFT
PUMP TYPE	AIR COMPRESSOR
TOTAL TIME (A)	Ø hr. 53 min.
AVERAGE FLOW (GPM)(B)	VARIED... ~ 2.0 gpm
TOTAL ESTIMATED WITHDRAWAL AxB=	100.5
HNU/OVA READING	-N/A-

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0914	40.0	7.00	19.0	600	19.0	TRANSPARENT, BUT SLIGHTLY MILKY
0920-0923	44.5	6.80	18.0	625	18.0	VERY CLEAR. ALMOST ALL MILKINESS GONE.
0939	75.5	7.51	19.0	650	19.0	TRANSPARENT, SLIGHTLY MILKY.
0945	92.0	7.14	19.0	700	19.0	VERY CLEAR. ALMOST NO MILKINESS.
0951	100.5	7.91	19.0	675	19.0	VERY CLEAR.

- REF: pp. 44-45 CTO 303 vol I.
- SLIGHT SULFUR ODOR DURING DEVELOPMENT.
- 0924 - INCREASED, THEN DECREASED AIR FLOW.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW12

DATE: 4-30-95

GEOLOGIST/ENGINEER: J.E. Zimmerman

TIME START: 1401

TIME FINISH: 1515

INITIAL WATER LEVEL (FT): 9.90 (TOC)

TOTAL WELL DEPTH (TD): 20.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 6.0

BOREHOLE VOLUME: 14.79 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: —

PUMP TYPE: Centrifugal

TOTAL TIME (A): 1 hr. 14 min.

AVERAGE FLOW (GPM)(B): 1.0 gallon/min

TOTAL ESTIMATED WITHDRAWAL AxB=: 75 gallons

HNU/OVA READING: HNu (BG=.3ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1405	5.0 gal	7.09	22.5	680	22.0	Brown/V. Silty
1410	10.0 gal	7.07	21.5	654	21.3	Brown/V. Silty
1415	15.0 gal	7.01	21.4	643	21.1	Brown/V. Silty
1420	20.0 gal	6.95	21.8	629	21.0	Brown/Silty
1425	25.0 gal	6.88	21.8	619	21.6	Light Brown/Silty
1430	30.0 gal	6.82	22.0	615	21.2	Light Brown/Sil
1435	35.0 gal	6.87	21.9	610	21.3	Light Brown/Silty
1440	40.0 gal	6.91	21.9	594	21.3	Clearing/little Silty
1445	45.0 gal	6.94	21.6	592	21.4	Clearing/little Silty
1450	50.0 gal	6.67	21.5	596	21.4	Clearing/little Silty
1455	55.0 gal	6.86	21.5	593	21.5	Clearing/little Silty
1500	60.0 gal	6.89	21.5	589	21.5	Clearing/little Silty
1505	65.0 gal	6.89	21.5	582	21.5	Clear/tr. Silt
1510	70.0 gal	6.93	21.5	579	21.3	Clear/tr. Silt
1515	75.0 gal	6.94	21.5	579	21.5	Clear/tr. Silt

OBSERVATIONS/NOTES Satisfied criteria for specific conductivity, temperature and pH. HNu (PS) was drummed water. No elevated HNu readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6-Site 36-MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW12IW

DATE: 4-29-95

GEOLOGIST/ENGINEER: J.E. Zimmerman

TIME START: 1325

TIME FINISH: 1500

INITIAL WATER LEVEL (FT): 10.84 (TOC)

TOTAL WELL DEPTH (TD): 36.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 6.0

BOREHOLE VOLUME: 36.85 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: Air Lift

PUMP TYPE: Air Compressor

TOTAL TIME (A): 1 hr. 35 min

AVERAGE FLOW (GPM)(B): 1 gallon/min

TOTAL ESTIMATED WITHDRAWAL AXB=: 95 gallons

HNU/OVA READING: HNU(BG) = .4 ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1330	5.0 gal	7.52	18.5	705	18.7	Brown/v. Silty
1345	20.0 gal	7.62	18.2	683	18.3	Light Brown/Silty
1400	35.0 gal	7.57	18.4	603	17.7	Light Brown/Silty
1415	50.0 gal	7.63	18.2	600	17.8	clearing/little Silt
1430	65.0 gal	7.69	18.2	585	17.8	Clearing/little Silt
1445	80.0 gal	7.69	18.2	588	17.7	Clear/tr. Silt
1500	95.0 gal	7.69	18.2	583	17.7	clear/tr. Silt

OBSERVATIONS/NOTES satisfied criteria for specific conductivity, temperature and pH. HNU (PS) was drummed water. No elevated HNU readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW13

DATE: 4-30-95

GEOLOGIST/ENGINEER: J. E. Zimmerman

TIME START: 1310

TIME FINISH: 1335

INITIAL WATER LEVEL (FT): 4.67 (TOC)

TOTAL WELL DEPTH (TD): 19.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 8.0

BOREHOLE VOLUME: 37.41 gallons

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: —

PUMP TYPE: Centrifugal

TOTAL TIME (A): 25 min

AVERAGE FLOW (GPM)(B): 4.8 gallons/min

TOTAL ESTIMATED WITHDRAWAL AxB=: 120 gallons

HNU/OVA READING: HNu (BG) = .4 ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1312	10.0 gal	8.28	18.6	680	18.8	Brown/v. Silty
1314	20.0 gal	7.16	19.2	639	19.2	Light Brown/Silty
1316	30.0 gal	7.13	18.9	637	19.0	Clearing/little Silty
1318	40.0 gal	7.10	18.6	637	18.8	Clearing/little Silty
1320	50.0 gal	7.15	18.1	636	18.3	Clearing/little Silty
1322	60.0 gal	7.11	18.9	640	18.2	Clearing/little Si
1324	70.0 gal	7.13	18.6	641	18.0	Clearing/little Silty
1326	80.0 gal	7.03	18.7	646	18.3	Clearing/little Silty
1328	90.0 gal	7.06	18.6	639	18.4	Clear/tr. Silt
1330	100.0 gal	6.99	18.7	640	18.7	Clear/tr. Silt
1332	110.0 gal	6.99	18.7	640	18.7	Clear/tr. Silt
1334	120.0 gal	6.99	18.7	640	18.7	Clear/tr. Silt

OBSERVATIONS/NOTES satisfied criteria for specific conductivity, temperature and pH. HNu (PS) was drummed water. No elevated HNu readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No 6 - Site 36 - MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW13TW

DATE: 4-29-95

GEOLOGIST/ENGINEER: J. E. Zimmerman

TIME START: 1110

TIME FINISH: 1210

INITIAL WATER LEVEL (FT): 4.90 (TOC)

TOTAL WELL DEPTH (TD): 33.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 8.0

BOREHOLE VOLUME: 73.36 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: Air Lift

PUMP TYPE: Air Compressor

TOTAL TIME (A): 2 hrs

AVERAGE FLOW (GPM)(B): .87 gallons/min

TOTAL ESTIMATED WITHDRAWAL AxB = 105 gallons

HNU/OVA READING: HNu (BG) = .3 ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
1115	5.0 gal	7.95	19.6	625	18.4	Brown / Very Silty
1126	25.0 gal	8.05	18.1	621	17.6	Light Brown / Silty
1137	45.0 gal	7.90	18.2	628	17.5	Light Brown / Silty
1148	65.0 gal	7.79	18.2	627	17.5	Light Brown / Silty
1159	85.0 gal	7.84	17.9	625	17.5	Clearing / Silty
1210	105.0 gal	7.94	18.3	631	17.7	Clear / tr. Silt

OBSERVATIONS/NOTES satisfied criteria for specific conductivity, temperature and pH. HNu (PS) was drummed water. No elevated HNu readings occured.

FIELD WELL DEVELOPMENT RECORD

Baker

Baker Environmental, Inc.

PROJECT: RI/FS at OU No. 6-Site 36-MCAS, New River

CTO NO.: 62470-303 WELL NO.: 36-GW14

DATE: 4-30-95

GEOLOGIST/ENGINEER: J.E. Zimmerman

TIME START: 0915

TIME FINISH: 1101

INITIAL WATER LEVEL (FT): 12.20 (TOC)

TOTAL WELL DEPTH (TD): 18.0

WELL DIAMETER (INCHES): 2.0

CALCULATED WELL VOLUME: —

BOREHOLE DIAMETER (INCHES): 8.0

BOREHOLE VOLUME: 15.14 gallons (1)

AMOUNT OF WATER ADDED DURING DRILLING: None

DEVELOPMENT METHOD: —

PUMP TYPE: Centrifugal

TOTAL TIME (A): 1 hr. 46 min.

AVERAGE FLOW (GPM)(B): .19 gallons/min

TOTAL ESTIMATED WITHDRAWAL AxB=: 21 gallons

HNU/OVA READING: HNU (BG) = .4ppm

DEVELOPMENT DATA

TIME	CUMULATIVE VOLUME (gallons)	pH	TEMP (°C)	SPEC. COND. (µmhos/cm)	TEMP (°C)	COLOR AND TURBIDITY
0930	3.0 gal	6.38	28.9	290	29.0	Brown/ v. Silty
0945	6.0 gal	6.24	24.6	303	24.8	Brown/ v. Silty
1000	9.0 gal	6.52	25.2	311	25.3	Brown/ silty
1015	12.0 gal	6.66	26.1	308	25.4	Light Brown/ Silty
1030	15.0 gal	6.72	26.0	312	25.6	Clearing/ little Silty
1045	18.0 gal	6.70	27.0	311	25.8	Clear/ tr. Silt
1100	21.0 gal	6.63	26.9	312	26.1	Clear/ tr. Silt

OBSERVATIONS/NOTES satisfied criteria for specific conductivity, temperature and pH. HNU (PS) was drummed water. No elevated HNU readings occured.

APPENDIX F
INVESTIGATION DERIVED WASTE SUMMARY AND RECOMMENDATIONS

Baker

Baker Environmental, Inc.
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108

(412) 269-6000
FAX (412) 269-2002

May 17, 1995

Commander
Atlantic Division
Naval Facilities Engineering Command
1510 Gilbert Street (Building N-26)
Norfolk, Virginia 23511-2699

Attn: Ms. Linda Saksvig, P.E.
Navy Technical Representative
Code 18231

Re: Contract N62470-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0303
Disposal of Investigation Derived Waste
Operable Unit No. 7 (Sites 36, 43, 44, 54, and 86)
MCAS, New River, Jacksonville, North Carolina

Dear Ms. Saksvig:

This correspondence serves to inform you of the status of activities associated with the investigation derived wastes (IDW) generated during the field program conducted under Contract Task Order (CTO) 0303. Approximately 9,275 gallons of liquid (purge and development water, and decontamination fluids) and 70 cubic yards of soil/mud cuttings were generated during the field activities. Upon completion of the field program, liquid and soil/mud samples were collected to determine their waste characteristics (i.e., hazardous or non-hazardous) for disposal purposes. Samples of soil/mud were obtained by compositing three to five grab samples per roll-off box, and liquid samples from each tank/tanker were collected by using a bailer .

Liquid samples were analyzed for full Target Compound List (TCL) organics (i.e., volatiles, semivolatiles, and pesticides, and PCBs), Target Analyte List (TAL) metals, and RCRA hazardous waste characteristics (corrosivity, ignitability, and reactivity). Soil/mud samples were analyzed for full toxicity characteristic leachate procedure (TCLP), including PCBs, and RCRA parameters. A 7-day laboratory turnaround was requested for all samples to accelerate the disposal process, and reduce the cost of IDW storage.

Analytical results indicated that the liquid and soil/mud samples are non-hazardous based on the criteria outlined in 40 CFR 261, RCRA Identification and Listing of Hazardous Waste (based on TCLP and RCRA Waste Characteristic results). Accordingly, the following disposal options are proposed:

- Purge and development water will be emptied onto the ground surface at the site from which it was generated. The tanker at Site 86 will be driven to Site 36 for disposal due to the limited space and highly visible nature of the site.

- Decontamination fluids will be taken off site by a licensed waste hauler (Four Season Environmental Services) and disposed as non-hazardous.

- Roll-off boxes will be emptied on site and the soil/mud graded. The roll-off boxes at Site 86 will be transported to Site 36 for disposal due to the limited space and highly visible nature of the site.

The proposed disposal plan outlined above is consistent with the LANTDIV IDW Management Plan options and with other projects performed at MCB, Camp Lejeune. Moreover, Baker received verbal concurrence on May 13, 1995 for the proposed disposal plan from Ms. Katherine Landman, the acting Navy Technical Representative.

Baker appreciates the opportunity to serve LANTDIV on this important project. If you have any questions, please do not hesitate to contact me at (412) 269-2033 or Mr. Matthew Bartman (Activity Coordinator) at (412) 269-2053.

Sincerely,

BAKER ENVIRONMENTAL, INC.

Richard E. Bonelli
Project Manager

REB/lq

cc: Ms. Lee Ann Rapp, Code 183
Ms. Beth Collier, Code 02115
Mr. Neal Paul, MCB, Camp Lejeune

WASTE CHARACTERISTIC SUMMARY

SITE 36, CAMP GIEGER AREA DUMP
WASTE CHARACTERIZATION SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-RB01 TCLP	36-TNK	36-TP02 TCLP	36-TP03	36-TP07 TCLP
DATE SAMPLED	05/06/95	05/09/95	04/19/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L	UG/KG	UG/L
VOLATILES					
CHLOROMETHANE	NA	10 U	NA	12 U	NA
BROMOMETHANE	NA	10 U	NA	12 U	NA
VINYL CHLORIDE	200 U	10 U	40 U	12 U	40 U
CHLOROETHANE	NA	10 U	NA	12 U	NA
METHYLENE CHLORIDE	NA	10 U	NA	12 U	NA
ACETONE	NA	10 U	NA	12 U	NA
CARBON DISULFIDE	NA	10 U	NA	12 U	NA
1,1-DICHLOROETHENE	200 U	10 U	100 U	12 U	100 U
1,1-DICHLOROETHANE	NA	10 U	NA	12 U	NA
1,2-DICHLOROETHENE (TOTAL)	NA	10 R	NA	12 U	NA
CHLOROFORM	200 U	10 U	40 U	12 U	40 U
1,2-DICHLOROETHANE	200 U	10 U	40 U	12 U	40 U
2-BUTANONE	200 U	10 U	200 U	12 U	200 U
1,1,1-TRICHLOROETHANE	NA	10 U	NA	12 U	NA
CARBON TETRACHLORIDE	200 U	10 U	40 U	12 U	40 U
BROMODICHLOROMETHANE	NA	10 U	NA	12 U	NA
1,2-DICHLOROPROPANE	NA	10 U	NA	12 U	NA
CIS-1,3-DICHLOROPROPENE	NA	10 U	NA	12 U	NA
TRICHLOROETHENE	200 U	1 J	40 U	12 U	40 U
DIBROMOCHLOROMETHANE	NA	10 U	NA	12 U	NA
1,1,2-TRICHLOROETHANE	NA	10 U	NA	12 U	NA
BENZENE	200 U	10 U	60 U	12 U	60 U
TRANS-1,3-DICHLOROPROPENE	NA	10 U	NA	12 U	NA
BROMOFORM	NA	10 U	NA	12 U	NA
4-METHYL-2-PENTANONE	NA	10 U	NA	12 U	NA
2-HEXANONE	NA	10 U	NA	12 U	NA
TETRACHLOROETHENE	200 U	10 U	100 U	12 U	100 U
1,1,2,2-TETRACHLOROETHANE	NA	10 U	NA	12 U	NA
TOLUENE	NA	10 U	NA	12 U	NA
CHLOROBENZENE	200 U	10 U	40 U	12 U	40 U
ETHYLBENZENE	NA	10 U	NA	12 U	NA
STYRENE	NA	10 U	NA	12 U	NA
XYLENE (TOTAL)	NA	10 U	NA	12 U	NA

SITE 36, CAMP GIEGER AREA DUMP
WASTE CHARACTERIZATION SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-RB01 TCLP	36-TNK	36-TP02 TCLP	36-TP03	36-TP07 TCLP
DATE SAMPLED	05/06/95	05/09/95	04/19/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L	UG/KG	UG/L
SEMIVOLATILES					
PHENOL	NA	10 U	NA	400 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	10 U	NA	400 U	NA
2-CHLOROPHENOL	NA	10 U	NA	400 U	NA
1,3-DICHLOROBENZENE	NA	10 U	NA	400 U	NA
1,4-DICHLOROBENZENE	50 U	10 U	50 U	400 U	50 U
1,2-DICHLOROBENZENE	NA	10 U	NA	400 U	NA
2-METHYLPHENOL	NA	10 U	NA	400 U	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	10 U	NA	400 U	NA
4-METHYLPHENOL	NA	10 U	NA	400 U	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	10 U	NA	400 U	NA
HEXACHLOROETHANE	70 U	10 U	70 U	400 U	70 U
NITROBENZENE	30 U	10 U	30 U	400 U	30 U
ISOPHORONE	NA	10 U	NA	400 U	NA
2-NITROPHENOL	NA	10 U	NA	400 U	NA
2,4-DIMETHYLPHENOL	NA	10 U	NA	400 U	NA
BIS(2-CHLOROETHOXY)METHANE	NA	10 U	NA	400 U	NA
2,4-DICHLOROPHENOL	NA	10 U	NA	400 U	NA
1,2,4-TRICHLOROBENZENE	NA	10 U	NA	400 U	NA
NAPHTHALENE	NA	10 U	NA	400 U	NA
4-CHLOROANILINE	NA	10 U	NA	400 U	NA
HEXACHLOROBUTADIENE	80 U	10 U	80 U	400 U	80 U
4-CHLORO-3-METHYLPHENOL	NA	10 U	NA	400 U	NA
2-METHYLNAPHTHALENE	NA	10 U	NA	400 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	10 U	NA	400 U	NA
2,4,6-TRICHLOROPHENOL	30 U	10 U	30 U	400 U	30 U
2,4,5-TRICHLOROPHENOL	40 U	26 U	40 U	990 U	40 U
2-CHLORONAPHTHALENE	NA	10 U	NA	400 U	NA
2-NITROANILINE	NA	26 U	NA	990 U	NA
DIMETHYLPHTHALATE	NA	10 U	NA	400 U	NA
ACENAPHTHYLENE	NA	10 U	NA	400 U	NA
2,6-DINITROTOLUENE	NA	10 U	NA	400 U	NA
3-NITROANILINE	NA	26 U	NA	990 U	NA
ACENAPHTHENE	NA	10 U	NA	400 U	NA
2,4-DINITROPHENOL	NA	26 U	NA	990 U	NA
4-NITROPHENOL	NA	26 U	NA	990 U	NA

SITE 36, CAMP GIEGER AREA DUMP
WASTE CHARACTERIZATION SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-RB01 TCLP	36-TNK	36-TP02 TCLP	36-TP03	36-TP07 TCLP
DATE SAMPLED	05/06/95	05/09/95	04/19/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L	UG/KG	UG/L
SEMIVOLATILES cont.					
DIBENZOFURAN	NA	10 U	NA	400 U	NA
2,4-DINITROTOLUENE	20 U	10 U	20 U	400 U	20 U
DIETHYLPHTHALATE	NA	10 U	NA	400 U	NA
4-CHLOROPHENYL-PHENYLETHER	NA	10 U	NA	400 U	NA
FLUORENE	NA	10 U	NA	400 U	NA
4-NITROANILINE	NA	26 U	NA	990 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	26 U	NA	990 U	NA
N-NITROSODIPHENYLAMINE (1)	NA	10 U	NA	400 U	NA
4-BROMOPHENYL-PHENYLETHER	NA	10 U	NA	400 U	NA
HEXACHLOROBENZENE	20 U	10 U	20 U	400 U	20 U
PENTACHLOROPHENOL	60 U	26 U	60 U	990 U	60 U
PHENANTHRENE	NA	10 U	NA	73 J	NA
ANTHRACENE	NA	10 U	NA	400 U	NA
CARBAZOLE	NA	10 U	NA	400 U	NA
DI-N-BUTYLPHTHALATE	NA	10 U	NA	1800 U	NA
FLUORANTHENE	NA	10 U	NA	110 J	NA
PYRENE	NA	10 U	NA	98 J	NA
BUTYLBENZYLPHTHALATE	NA	10 U	NA	64 J	NA
3,3'-DICHLOROBENZIDINE	NA	10 U	NA	400 U	NA
BENZO(A)ANTHRACENE	NA	10 U	NA	65 J	NA
CHRYSENE	NA	10 U	NA	76 J	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	10 U	NA	400 U	NA
DI-N-OCTYL PHTHALATE	NA	10 U	NA	400 U	NA
BENZO(B)FLUORANTHENE	NA	10 U	NA	73 J	NA
BENZO(K)FLUORANTHENE	NA	10 U	NA	400 U	NA
BENZO(A)PYRENE	NA	10 U	NA	400 U	NA
INDENO(1,2,3-CD)PYRENE	NA	10 U	NA	400 U	NA
DIBENZO(A,H)ANTHRACENE	NA	10 U	NA	400 U	NA
BENZO(G,H,I)PERYLENE	NA	10 U	NA	400 U	NA
O-CRESOL	30 U	NA	30 U	NA	30 U
META & PARA-CRESOL	30 U	NA	30 U	NA	30 U
PYRIDINE	500 U	NA	500 U	NA	500 U

SITE 36, CAMP GIEGER AREA DUMP
WASTE CHARACTERIZATION SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-RB01 TCLP	36-TNK	36-TP02 TCLP	36-TP03	36-TP07 TCLP
DATE SAMPLED	05/06/95	05/09/95	04/19/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L	UG/KG	UG/L
PESTICIDE/PCBS					
ALPHA-BHC	NA	0.052 R	NA	1.9 UJ	NA
BETA-BHC	NA	0.052 R	NA	1.9 UJ	NA
DELTA-BHC	NA	0.052 R	NA	1.9 UJ	NA
GAMMA-BHC (LINDANE)	0.5 U	0.052 R	0.5 U	1.9 UJ	0.5 U
HEPTACHLOR	0.6 U	0.052 R	0.6 U	1.9 UJ	0.6 U
ALDRIN	NA	0.052 R	NA	1.9 UJ	NA
HEPTACHLOR EPOXIDE	0.8 U	0.052 R	0.8 U	1.9 UJ	0.8 U
ENDOSULFAN I	NA	0.052 R	NA	1.9 UJ	NA
DIELDRIN	NA	0.1 R	NA	3.9 UJ	NA
4,4'-DDE	NA	0.1 R	NA	5.4 J	NA
ENDRIN	3 U	0.1 R	3 U	3.9 UJ	3 U
ENDOSULFAN II	NA	0.1 R	NA	3.9 UJ	NA
4,4'-DDD	NA	0.1 R	NA	5 J	NA
ENDOSULFAN SULFATE	NA	0.1 R	NA	3.9 UJ	NA
4,4'-DDT	NA	0.1 R	NA	2.7 J	NA
METHOXYCHLOR	7 U	0.52 R	7 U	19 UJ	7 U
ENDRIN KETONE	NA	0.1 R	NA	3.9 UJ	NA
ENDRIN ALDEHYDE	NA	0.1 R	NA	3.9 UJ	NA
ALPHA-CHLORDANE	NA	0.052 R	NA	1.9 UJ	NA
GAMMA-CHLORDANE	NA	0.052 R	NA	1.9 UJ	NA
TOXAPHENE	50 U	5.2 R	50 U	190 UJ	50 U
AROCLOR-1016	50 U	1 R	50 U	39 UJ	50 U
AROCLOR-1221	50 U	2.1 R	50 U	77 UJ	50 U
AROCLOR-1232	50 U	1 R	50 U	39 UJ	50 U
AROCLOR-1242	50 U	1 R	50 U	39 UJ	50 U
AROCLOR-1248	50 U	1 R	50 U	39 UJ	50 U
AROCLOR-1254	100 U	1 R	100 U	39 UJ	100 U
AROCLOR-1260	100 U	1 R	100 U	39 UJ	100 U
CHLORDANE	1 U	NA	1 U	NA	1 U

SITE 36, CAMP GIEGER AREA DUMP
WASTE CHARACTERIZATION SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-RB01 TCLP	36-TNK	36-TP02 TCLP	36-TP03	36-TP07 TCLP
DATE SAMPLED	05/06/95	05/09/95	04/19/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L	MG/KG	UG/L
SILVER, TOTAL	NA	2.8 U	NA	0.44 U	NA
ALUMINUM, TOTAL	NA	685	NA	5960	NA
ARSENIC, TOTAL	NA	1.7 U	NA	14.6 J	NA
BARIUM, TOTAL	NA	16.6 U	NA	300	NA
BERYLLIUM, TOTAL	NA	0.8 U	NA	0.27 U	NA
CALCIUM, TOTAL	NA	36100	NA	25100	NA
CADMIUM, TOTAL	NA	2.2 U	NA	2.2 J	NA
COBALT, TOTAL	NA	3.4 U	NA	6.5	NA
CHROMIUM, TOTAL	NA	4.1 U	NA	32.9	NA
COPPER, TOTAL	NA	15.8	NA	681 J	NA
IRON, TOTAL	NA	1120	NA	55300	NA
MERCURY, TOTAL	NA	0.2 U	NA	0.51	NA
POTASSIUM, TOTAL	NA	9160	NA	494	NA
MAGNESIUM, TOTAL	NA	5380	NA	680	NA
MANGANESE, TOTAL	NA	22.5	NA	346	NA
SODIUM, TOTAL	NA	50100	NA	219	NA
NICKEL, TOTAL	NA	10.9 U	NA	24	NA
LEAD, TOTAL	NA	1.5 J	NA	895	NA
ANTIMONY, TOTAL	NA	20.8 U	NA	12.1 J	NA
SELENIUM, TOTAL	NA	1.8 U	NA	0.6 J	NA
THALLIUM, TOTAL	NA	0.7 U	NA	0.28 UJ	NA
VANADIUM, TOTAL	NA	3.2	NA	17.6	NA
ZINC, TOTAL	NA	33.8 U	NA	453	NA
SILVER, TCLP LEACHATE	250 U	NA	50 U	NA	50 U
ARSENIC, TCLP LEACHATE	500 U	NA	100 U	NA	100 U
BARIUM, TCLP LEACHATE	2500 U	NA	1410	NA	713
CADMIUM, TCLP LEACHATE	250 U	NA	50 U	NA	50 U
CHROMIUM, TCLP LEACHATE	250 U	NA	50 U	NA	50 U
MERCURY, TCLP LEACHATE	10 U	NA	10 U	NA	10 U
LEAD, TCLP LEACHATE	250 U	NA	923	NA	214
SELENIUM, TCLP LEACHATE	500 U	NA	100 U	NA	100 U

SITE 36, CAMP GIEGER AREA DUMP
RCRA - SUMMARY
REMEDIAL INVESTIGATION, CTO - 303
MCB CAMP LEJEUNE, NORTH CAROLINA

LOCATION	36-RB01	36-TP02	36-TP03	36-TP07
DATE SAMPLED	05/06/95	04/19/95	04/19/95	04/20/95
WET CHEMISTRY				
% SOLIDS	62.2	NA	83.8	87.7
CYANIDE, REACTIVE (mg/kg)	0.34 U	0.3 U	NA	0.28 U
CORROSIVITY BY PH (pH)	10.9	7.3	NA	7.4
FLASH POINT, CLOSED CUP (deg F)	0	0	NA	0
VOL THRU FILTER (mg/10)	0	0	NA	0
SULFIDE REACTIVE (mg/kg)	34.6 U	27.7 U	NA	27.7 U

LOCATION	36-TNK
DATE SAMPLED	05/09/95
WET CHEMISTRY	
% SOLIDS	78.4
CYANIDE, REACTIVE (ug/L)	10 U
CORROSIVITY BY PH (pH)	NA
FLASH POINT, CLOSED CUP (deg F)	200 >
VOL THRU FILTER (mg/10)	NA
SULFIDE REACTIVE (mg/L)	1 U

LOCATION	36-RB01 TCLP	36-TP02 TCLP	36-TP07 TCLP
DATE SAMPLED	05/06/95	04/19/95	04/20/95
UNITS	UG/L	UG/L	UG/L
HERBICIDES			
2,4-D	100 U	100 U	100 U
2,4,5-TP	20 U	20 U	20 U

APPENDIX G
SAMPLING SUMMARIES

OU N. SITE 36
SOIL
CTO-0303

		Analysis Requested								Analysis Received												
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
2/22/95	**COC#303001**																					
2/22/95	TS1	X	X							X	X							2/25/95	2/28/95	6	400	QT-72 HRS
2/22/95	36-OF-SB01-00	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OF-SB01-04	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OF-SB06-00	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OF-SB06-03	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OF-SB05-00	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB05-00D	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB05-06	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB03-00	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB03-03	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB02-00	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R; MS/MSD
2/22/95	36-OF-SB02-00D	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB02-02	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB04-00	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-OF-SB04-04	X	X	X	X					X	X	X	X					3/30/95	4/1/95	39	401	R
2/22/95	36-FDA-SB03-00	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-FDA-SB03-04	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OA-SB01-00	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-OA-SB01-01	X	X	X	X					X	X	X	X					3/2/95	3/6/95	11	400	QT; VOC&METALS REC'D 3/2; SVOC 3/3; PEST 3/6
2/22/95	36-SHER-01	X	X	X	X					X	X	X	X					3/30/95	3/24/95	32	402	R; RINSATE
2/22/95	303-TB-01	X								X								3/30/95	3/24/95	32	402	R; TRIP BLANK
2/23/95	**COC#303002**																					
2/23/95	36-FCA-SB02-00	X	X	X	X					X	X	X	X					3/31/95	4/1/95	38	401	R
2/23/95	36-FCA-SB02-04	X	X	X	X					X	X	X	X					3/31/95	4/1/95	38	401	R
2/23/95	36-FCA-SB07-00	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB07-01	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB09-00	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB09-02	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB10-00	X	X	X	X					X	X	X	X					3/31/95	4/1/95	38	401	R
2/23/95	36-FCA-SB10-02	X	X	X	X					X	X	X	X					3/31/95	4/1/95	38	401	R
2/23/95	36-FCA-SB12-00	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB12-02	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-RINS-02	X	X	X	X																431	HOLD; RINSATE
2/23/95	36-FCA-SB03-00	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB03-02	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	36-FCA-SB06-00	X	X	X	X					X	X	X	X					3/31/95	4/5/95	42	430	R
2/23/95	36-FCA-SB06-03	X	X	X	X					X	X	X	X					3/31/95	4/5/95	42	430	R
2/23/95	36-FCA-SB11-00	X	X	X	X					X	X	X	X					3/31/95	4/5/95	42	430	R
2/23/95	36-FCA-SB11-03	X	X	X	X					X	X	X	X					3/31/95	4/5/95	42	430	R
2/23/95	36-FCA-SB14-00	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8

OU No. 6, SITE 36
SOIL
CTO-0303

		Analysis Requested								Analysis Received												
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
2/23/95	36-FCA-SB14-01	X	X	X	X					X	X	X	X					3/3/95	3/8/95	12	429	QT; SVOC REC'D 3/6; VOC&METALS 3/7; PEST 3/8
2/23/95	303-TB-02	X								X								3/31/95	3/24/95	31	402	R; TRIP BLANK
2/24/95	**COC#303003**																					
2/24/95	36-BB-SB01-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-BB-SB01-02	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-BB-SB02-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-BB-SB02-02	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-FDA-SB01-00	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-FDA-SB01-02	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-OA-SB04-00	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-OA-SB04-02	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-DAD-SB03-00	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-DAD-SB02-01	X	X	X	X					X	X	X	X					4/1/95	3/31/95	37	456	R
2/24/95	36-DAD-SB02-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAD-SB02-00D	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAD-SB01-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAB-SB02-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAB-SB02-02	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAB-SB01-00	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-DAB-SB01-01	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R; MS/MSD
2/24/95	36-DAB-SB01-01D	X	X	X	X					X	X	X	X					4/1/95	4/5/95	41	430	R
2/24/95	36-SIER-03	X	X	X	X					X	X	X	X					4/1/95	3/24/95	30	402	R; RINSATE
2/24/95	303-TB-03	X								X								4/1/95	3/24/95	30	402	R; TRIP BLANK
2/25/95	**COC#303004**																					
2/25/95	36-DAB-SB03-00	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-DAB-SB03-01	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-OA-SB07-00	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-OA-SB07-01	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-FDA-SB04-00	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R; MS/MSD
2/25/95	36-FDA-SB04-00D	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-FDA-SB04-01	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-FDA-SB06-00	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-FDA-SB06-07	X	X	X	X					X	X	X	X					4/3/95	3/31/95	36	456	R
2/25/95	36-SIER-04	X	X	X	X																431	HOLD; RINSATE
2/25/95	36-OA-SB02-00	X	X	X	X					X	X	X	X					4/3/95	4/12/95	47	457	R
2/25/95	36-OA-SB02-00D	X	X	X	X					X	X	X	X					4/3/95	4/12/95	47	457	R
2/25/95	36-OA-SB02-03	X	X	X	X					X	X	X	X					4/3/95	4/12/95	47	457	R
2/25/95	36-BB-SB03-00	X	X	X	X					X	X	X	X					4/3/95	4/12/95	47	457	R
2/25/95	36-BB-SB03-03	X	X	X	X					X	X	X	X					4/3/95	4/12/95	47	457	R
2/25/95	303-TB-04	X								X								4/3/95	3/24/95	29	402	R; TRIP BLANK
2/27/95	COC#303005																					

OU N. ITE 36
SOIL
CTO-0303

		Analysis Requested								Analysis Received												
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
2/27/95	36-FCA-SB04-00	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R; MS/MSD
2/27/95	36-FCA-SB04-02	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R
2/27/95	36-FCA-SB04-00D	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R
2/27/95	36-OA-SB03-00	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R
2/27/95	36-OA-SB03-03	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R
2/27/95	**COC#303006**																					
2/27/95	36-FDA-SB02-00	X	X	X	X					X	X	X	X					4/4/95	4/12/95	45	457	R
2/27/95	36-FDA-SB02-04	X	X	X	X					X	X	X	X					4/4/95	4/5/95	38	480	R
2/27/95	36-FDA-SB05-00	X	X	X	X					X	X	X	X					3/7/95	3/14/95	17	479	QT; METALS 3/8; VOC 3/9; SVOC 3/12; PEST 3/14
2/27/95	36-FDA-SB05-01	X	X	X	X					X	X	X	X					3/7/95	3/14/95	17	479	QT; METALS 3/8; VOC 3/9; SVOC 3/12; PEST 3/14
2/27/95	36-OA-SB08-00	X	X	X	X					X	X	X	X					3/7/95	3/14/95	17	479	QT; METALS 3/8; VOC 3/9; SVOC 3/12; PEST 3/14
2/27/95	36-OA-SB08-01	X	X	X	X					X	X	X	X					3/7/95	3/14/95	17	479	QT; METALS 3/8; VOC 3/9; SVOC 3/12; PEST 3/14
2/28/95	**COC#303007**																					
2/28/95	36-FCA-SB08-00	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-FCA-SB08-01	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-FCA-SB08-01D	X	X	X	X					X	X	X	X					4/5/95	4/5/95	35	480	R
2/28/95	36-FCA-SB05-00	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-FCA-SB05-02	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-FCA-SB13-00	X	X	X	X					X	X	X	X					4/5/95	4/5/95	35	480	R; MS/MSD
2/28/95	36-FCA-SB13-00D	X	X	X	X					X	X	X	X					4/5/95	4/5/95	35	480	R
2/28/95	36-FCA-SB13-01	X	X	X	X					X	X	X	X					4/5/95	4/5/95	35	480	R
2/28/95	36-FCA-SB01-00	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-FCA-SB01-04	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-OA-SB06-00	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-OA-SB06-02	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-OA-SB05-00	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
2/28/95	36-OA-SB05-02	X	X	X	X					X	X	X	X					3/8/95	3/12/95	12	507	QT; METALS 3/8; VOC 3/10; SVOC 3/12; PEST 3/10
3/7/95	**COC#303010**																					
3/7/95	36-GW07DW					X	X							X	X			4/12/95	4/19/95	42	614	R
3/7/95	36-GW07-00	X	X	X	X					X	X	X	X					4/12/95	4/13/95	36	612	R
3/7/95	36-GW07-01	X	X	X	X					X	X	X	X					4/12/95	4/13/95	36	612	R
3/9/95	**COC#303012**																					
3/9/95	36-GW09-00	X	X	X	X					X	X	X	X					4/14/95	4/13/95	34	612	R
3/9/95	36-GW09-04	X	X	X	X					X	X	X	X					4/14/95	4/13/95	34	612	R
3/9/95	36-OF-SB06A-00	X	X	X	X					X	X	X	X					4/14/95	4/13/95	34	612	R
3/9/95	36-OF-SB06A-01	X	X	X	X					X	X	X	X					4/14/95	4/13/95	34	612	R
3/9/95	36-OF-SB06B-00	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/9/95	36-OF-SB06B-02	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/9/95	36-OF-SB06C-00	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/9/95	36-OF-SB06C-02	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/9/95	36-OF-SB06D-00	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R

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		Analysis Requested								Analysis Received												
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
3/9/95	36-OF-SB06D-02	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/9/95	36-GW10-00	X	X	X	X					X	X	X	X					4/14/95	4/13/95	34	612	R
3/9/95	36-GW10-03	X	X	X	X					X	X	X	X					4/14/95	4/15/95	36	659	R
3/10/95	**COC#303013**																					
3/10/95	36-GW11-00	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-GW11-00D	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-GW11-04	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-GW11-06	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-OA-SB01A-00	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-OA-SB01A-01	X	X	X	X					X	X	X	X					4/15/95	4/15/95	35	659	R
3/10/95	36-OA-SB01B-00	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-OA-SB01B-00D	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-OA-SB01B-01	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-SB01C-00	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-SB01C-01	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-SB01D-00	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-SB01D-01	X	X	X	X					X	X	X	X					4/15/95	4/13/95	33	686	R
3/10/95	36-SLER-05	X	X	X	X																431	HOLD; RINSATE
3/10/95	303-TB-12	X																4/15/95	4/12/95	32	613	R; TRIP BLANK
4/20/95	**COC#303059**																					
4/20/95	303-TB-38	X								X								5/26/95	5/19/95	29	368	R; TRIP BLANK
4/20/95	36-TP03	X	X	X	X					X	X	X	X					5/26/95	5/31/95	41	428	R
4/20/95	36-TP02							X	X							X	X	5/26/95	5/31/95	41	428	R
4/20/95	36-TP07							X	X							X	X	5/26/95	5/31/95	41	428	R
4/24/95	**COC#303061**																					
4/24/95	36-GW12-00	X								X								5/30/95	5/22/95	28	473	R
4/24/95	36-GW12-03	X						X		X						X		5/2/95	5/2/95	8	472	QT
4/24/95	36-GW13-00	X								X								5/30/95	5/22/95	28	473	R
4/24/95	36-GW13-02	X						X		X						X		5/2/95	5/2/95	8	472	QT
4/24/95	36-GW13-03	X						X		X						X		5/2/95	5/2/95	8	472	QT
4/24/95	36-GW14-00	X								X								5/30/95	5/22/95	28	473	R
4/24/95	36-GW14-02	X						X		X						X		5/2/95	5/2/95	8	472	QT
4/24/95	303-TB-40	X								X								5/30/95	5/22/95	28	474	R; TRIP BLANK
5/6/95	**COC#303075**																					
5/6/95	36-GS-SB05-00	X	X							X	X							6/11/95	6/19/95	43	737	R
5/6/95	36-GS-SB05-01	X	X							X	X							5/14/95	5/26/95	20	736	QT
5/6/95	36-GS-SB05-01D	X	X							X	X							5/14/95	5/26/95	20	736	QT
5/6/95	36-GS-SB05-03	X	X							X	X							5/14/95	5/26/95	20	736	QT; MS/MSD ROUTINE
5/6/95	36-GS-SB05-03D	X	X							X	X							6/11/95	6/19/95	43	737	R
5/6/95	36-GS-SB02-00	X	X							X	X							6/11/95	6/19/95	43	737	R
5/6/95	36-GS-SB02-04	X	X							X	X							5/14/95	5/26/95	20	736	QT

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DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	GRAIN SIZE	ATTERBURG LIMITS	RCRA	TCLP	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
5/6/95	36-GS-SB01-00	X	X							X	X							6/11/95	6/19/95	43	737	R
5/6/95	36-GS-SB01-04	X	X							X	X							5/14/95	5/26/95	20	736	QT
5/6/95	36-GS-SB04-00	X	X							X	X							6/11/95	6/19/95	43	737	R
5/6/95	36-GS-SB04-03	X	X							X	X							5/14/95	5/26/95	20	736	QT
5/6/95	303-TB-48	X								X								6/11/95	6/15/95	39	735	R; TRIP BLANK
5/8/95	**COC#303076**																					
5/8/95	303-TB-49	X								X								6/13/95	6/15/95	37	735	R; TRIP BLANK
5/8/95	36-GS-SB03-00	X	X							X	X							6/13/95	6/19/95	41	737	R
5/8/95	36-GS-SB03-02	X	X							X	X							5/16/95	5/26/95	18	736	QT
5/8/95	36-GS-SB06-00	X	X							X	X							6/13/95	6/19/95	41	737	R
5/8/95	36-GS-SB06-02	X	X							X	X							5/16/95	5/26/95	18	736	QT
10/10/95	**COC#303085**																					
10/10/95	36-OA-SB01E-00			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01E-02			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01F-00			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01F-02			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01G-00			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01G-02			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01H-00			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01H-02			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01I-00			X														10/18/95				7-DAY TURN
10/10/95	36-OA-SB01I-02			X														10/18/95				7-DAY TURN
COUNT		163	149	133	133	1	2	6	2	157	139	123	123	1	1	6	2					

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		Analysis Requested							Analysis Received											
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
3/15/95	**COC#303020**																			
3/15/95	36-TW02-01	X	X	X	X		X	X	X	X	X	X		X	X	4/20/95	4/20/95	35	726	R
3/15/95	36-TW02D-01					X							X			4/20/95	4/20/95	35	726	R
3/15/95	36-TW01-01	X	X	X					X	X	X					4/20/95	4/20/95	35	726	R
3/27/95	**COC#303033**																			
3/27/95	303-TB-25	X							X							5/2/95	4/11/95	14	983	R; TRIP BLANK
3/27/95	36-GW10-01	X	X	X	X		X	X	X							5/2/95	5/1/95	34	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/27/95	36-GWER-01	X	X	X	X		X	X	X							5/2/95	5/1/95	34	983	R; RINSATE; VOC REC'D 4/11 SDG 983
3/27/95	36-GW07DW-01	X							X							4/4/95	4/4/95	7	982	QT
3/27/95	36-GW07-01	X							X							4/4/95	4/4/95	7	982	QT
3/27/95	36-GW03-01	X							X							5/2/95	4/11/95	14	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/27/95	36-GW05-01	X							X							5/2/95	4/11/95	14	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/27/95	36-GW06DW-01	X							X							4/4/95	4/4/95	7	982	QT
3/27/95	36-GW04-01	X							X							5/2/95	4/11/95	14	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/27/95	**COC#303034**																			
3/27/95	36-GW07DW-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	36-GW07-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	**COC#303035**																			
3/27/95	36-GW03-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	36-GW05-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	36-GW06DW-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	**COC#303036**																			
3/27/95	36-GW04-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R
3/27/95	36-GW06-01		X	X	X		X	X		X	X	X		X	X	5/2/95	5/1/95	34	983	R; MS/MSD
3/27/95	**COC#303037**																			
3/27/95	303-TB-26	X							X							5/2/95	4/11/95	14	983	R
3/27/95	36-GW06-01	X							X							4/4/95	4/4/95	7	982	QT SAMPLE; R MS/MSD
3/27/95	36-GW06-01D	X	X	X	X		X	X	X	X	X	X		X	X	5/2/95	5/1/95	34	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/27/95	36-GW11DW-01	X	X	X	X		X	X	X	X	X	X		X	X	4/4/95	4/4/95	7	982	QT VOC ONLY; REC'D 4/4 SDG 982
3/27/95	36-GWER-02	X	X	X	X		X	X	X	X	X	X		X	X	5/2/95	5/1/95	34	983	R; SUB FOR BROKEN RINSATE 3/25; VOC 4/11 SDG 983
3/27/95	36-GW09-01	X	X	X	X		X	X	X	X	X	X		X	X	5/2/95	5/1/95	34	983	QT VOC ONLY; REC'D 4/11 SDG 983
3/28/95	**COC#303038**																			
3/28/95	303-TB-27	X							X							5/3/95	5/1/95	33	998	R; TRIP BLANK
3/28/95	36-GW11-01	X	X	X	X		X	X	X	X	X	X		X	X	4/5/95	4/4/95	6	997	QT VOC ONLY
3/28/95	36-GW02-01	X							X							5/3/95	5/1/95	33	998	R
3/28/95	36-GW02-01D	X							X							5/3/95	5/1/95	33	998	R
3/28/95	36-GW08-01	X							X							5/3/95	5/1/95	33	998	R
3/28/95	36-GW01-01	X							X							4/5/95	4/4/95	6	997	QT
3/28/95	**COC#303039**																			
3/28/95	36-GW02-01		X	X	X		X	X		X	X	X		X		5/3/95	5/1/95	33	998	R
3/28/95	36-GW02-01D		X	X	X		X	X		X	X	X				5/3/95	5/1/95	33	998	R

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		Analysis Requested							Analysis Received											
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
3/28/95	36-GW08-01		X	X	X		X	X		X	X	X		X	X	5/3/95	5/1/95	33	998	R
3/28/95	36-GW08D-01					X							X			5/3/95	5/1/95	33	998	R
3/28/95	**COC#303040**																			
3/28/95	36-GW01-01		X	X	X		X	X		X	X	X		X	X	5/3/95	5/1/95	33	998	R
3/28/95	36-GW01D-01					X							X			5/3/95	5/1/95	33	998	R
5/8/95	**COC#303076**																			
5/8/95	36-GW14-01	X							X							5/16/95	5/19/95	11	764	QT
5/8/95	36-GW12IW-01	X							X							5/16/95	5/19/95	11	764	QT
5/8/95	36-GW12-01	X							X							5/16/95	5/19/95	11	764	QT
5/9/95	**COC#303077**																			
5/9/95	36-GW04-01				X		X	X				X		X	X	6/14/95	6/15/95	36	807	R
5/9/95	36-GW14D-01					X							X			6/14/95	6/15/95	36	807	R
5/9/95	36-GW12IW-01				X		X	X				X		X	X	6/14/95	6/15/95	36	807	R
5/9/95	36-GW12-01				X		X	X				X		X	X	6/14/95	6/15/95	36	807	R
5/9/95	36-GW13IW-01	X			X		X	X	X			X		X	X	6/14/95	5/19/95	10	764	QT VOC ONLY
5/9/95	303-TB-50	X							X							6/14/95	6/15/95	36	807	ROUTINE; TRIP BLANK
5/9/95	36-GWER-03	X			X				X			X				6/14/95	6/15/95	36	807	R; RINSATE
5/9/95	303-FB-04	X							X							6/14/95	6/15/95	36	807	R; FIELD BLANK
5/9/95	36-GWER-04	X			X															HOLD; RINSATE
5/9/95	36-GW13-01	X			X		X	X	X			X		X	X	6/14/95	5/19/95	10	764	QT VOC ONLY
5/9/95	36-GW10IW-01	X							X						X	6/14/95	5/19/95	10	764	R MS/MSD; QT SAMPLE VOC
5/9/95	36-GW10IW-01D	X							X							6/14/95	6/15/95	36	807	R
5/9/95	**COC#303078**																			
5/9/95	303-FB-04		X	X	X					X	X	X				6/14/95	6/15/95	36	807	R; FIELD BLANK
5/9/95	36-GW10IW-01				X		X	X				X		X	X	6/14/95	6/15/95	36	807	R; MS/MSD
5/9/95	36-GW10IW-01D				X		X	X				X		X	X	6/14/95	6/15/95	36	807	R
7/11/95	**COC#303079**																			
7/11/95	303-TB-51	X							X							7/19/95	7/20/95	9	941	QT; RINSATE
7/11/95	36-GW13IW-02	X							X							7/19/95	7/20/95	9	941	QT
7/11/95	36-GW13-02	X							X							7/19/95	7/20/95	9	941	QT
7/11/95	GW12IW-02	X							X							7/19/95	7/20/95	9	941	QT
7/11/95	36-GW12-02	X							X							7/19/95	7/20/95	9	941	QT
7/11/95	36-GWER-03	X							X							7/19/95	7/20/95	9	941	QT; RINSATE
7/12/95	**COC#303080**																			
7/12/95	303-TB-52	X							X							7/20/95	7/24/95	12	991	QT
7/12/95	36-GW10-02	X							X							7/20/95	7/24/95	12	991	QT
7/12/95	36-GW10IW-02	X							X							7/20/95	7/24/95	12	991	QT
7/12/95	36-GWER-06	X							X							7/20/95	7/24/95	12	991	QT
7/12/95	36-GW10DW-01	X							X							7/20/95	7/24/95	12	991	QT; MS/MSD VOC ONLY
7/12/95	36-GW10DW-01D	X							X							7/20/95	7/24/95	12	991	QT
7/12/95	**COC#303081**																			

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		Analysis Requested							Analysis Received											
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	DISSOLVED METALS	TSS	TDS	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
7/12/95	36-GW10DW-01		X	X	X		X	X		X	X			X	X	7/20/95		###	991	QT
10/16/95	**COC#303088**																			
10/16/95	36-GW10-03			X							X					10/24/95	11/1/95	15	706	QT
COUNT		46	22	22	30	4	27	27	46	20	20	26	4	25	26					

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		Analysis Requested							Analysis Received											
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CN	DISSOLVED METALS	TOC	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	CN	DISSOLVED METALS	TOC	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG NO.	COMMENTS
5/6/95	**COC#303074**																			
5/6/95	36-DSW05						X							X		6/11/95	6/15/95	39	735	R; MS/MSD
5/6/95	36-DSW05D						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW06						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW07						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW04						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW03						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW02						X							X		6/11/95	6/15/95	39	735	R
5/6/95	36-DSW01						X							X		6/11/95	6/15/95	39	735	R
8/8/95	**COC#303082**																			
8/8/95	36-SD07-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD07-612							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD06-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD06-612							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD05-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD05-612							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD04-06	X	X	X	X	X		X						X		8/16/95		###		R
8/8/95	36-SD04-612	X	X	X	X	X		X						X		8/16/95		###		R
8/8/95	36-SD03-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD03-612							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD03-06D							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD02-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD02-612							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-SD01-06							X						X		8/16/95	8/24/95	16	457	QT
8/8/95	36-TB01	X														8/16/95		###		R; TRIP BLANK
10/16/95	**COC#303088**																			
10/16/95	36-SD08-01				X											10/24/95				7-DAY TURN
10/16/95	36-SD09-01				X											10/24/95				7-DAY TURN
COUNT		0	0	0	0		8		0	0	0	0	0	8	0					

OU No. 6, SITE 36
IDW
CTO-0303

		Analysis Requested									Analysis Received													
DATE SHIPPED	SAMPLE ID	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	FLASH POINT	REACTIVE CYANIDE	REACTIVE SULFIDE	TCLP	RCRA	TCL VOA	TCL SVOA	TCL PEST/PCB	TAL METALS	FLASH POINT	REACTIVE CYANIDE	REACTIVE SULFIDE	TCLP	RCRA	DATE EXPECTED	DATE REC'D	TURNAROUND TIME	SDG	
5/6/95	**COC#303075**																							
5/6/95	36-RB01								X	X								X	X	5/14/95	5/26/95	20	736	QT
5/9/95	**COC#303077**																							
5/9/95	36-TNK	X				X					X				X					5/17/95	5/19/95	10	764	QT
5/9/95	**COC#303078**																							
5/9/95	36-TNK		X	X	X		X	X				X	X	X		X	X			5/17/95	5/30/95	21	764	QT
COUNT		1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	1					

APPENDIX H
DATA AND FREQUENCY SUMMARIES

SOIL

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-00	36-DAB-SB02-00	36-DAB-SB03-00	36-DAD-SB01-00	36-DAD-SB02-00	36-DAD-SB03-00
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	130 U	17 U	14 U	15 U
BROMOMETHANE	12 U	12 U	130 U	17 U	14 U	15 U
VINYL CHLORIDE	12 U	12 U	130 U	17 U	14 U	15 U
CHLOROETHANE	12 U	12 U	130 U	17 U	14 U	15 U
METHYLENE CHLORIDE	12 U	12 U	130 U	17 U	14 U	15 U
ACETONE	12 U	12 U	130 U	19 U	14 U	15 U
CARBON DISULFIDE	12 U	12 U	130 U	17 U	14 U	15 U
1,1-DICHLOROETHENE	12 U	12 U	130 U	17 U	14 U	15 U
1,1-DICHLOROETHANE	12 U	12 U	130 U	17 U	14 U	15 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	130 U	17 U	14 U	15 U
CHLOROFORM	12 U	12 U	130 U	17 U	14 U	15 U
1,2-DICHLOROETHANE	12 U	12 U	130 U	17 U	14 U	15 U
2-BUTANONE	12 U	12 U	130 U	17 U	14 U	15 U
1,1,1-TRICHLOROETHANE	12 U	12 U	130 U	17 U	14 U	15 U
CARBON TETRACHLORIDE	12 U	12 U	130 U	17 U	14 U	15 U
BROMODICHLOROMETHANE	12 U	12 U	130 U	17 U	14 U	15 U
1,2-DICHLOROPROPANE	12 U	12 U	130 U	17 U	14 U	15 U
CIS-1,3-DICHLOROPROPENE	12 U	12 U	130 U	17 U	14 U	15 U
TRICHLOROETHENE	12 U	12 U	130 U	17 U	14 U	15 U
DIBROMOCHLOROMETHANE	12 U	12 U	130 U	17 U	14 U	15 U
1,1,2-TRICHLOROETHANE	12 U	12 U	130 U	17 U	14 U	15 U
BENZENE	12 U	12 U	130 U	17 U	14 U	15 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	130 U	17 U	14 U	15 U
BROMOFORM	12 U	12 U	130 U	17 U	14 U	15 U
4-METHYL-2-PENTANONE	12 U	12 U	130 U	17 UJ	14 U	15 U
2-HEXANONE	12 U	12 U	130 U	17 UJ	14 U	15 U
TETRACHLOROETHENE	12 U	12 U	130 U	17 UJ	14 U	15 U
1,1,2,2-TETRACHLOROETHANE	12 U	12 U	130 U	17 UJ	14 U	15 U
TOLUENE	12 U	12 U	130 U	17 UJ	14 U	15 U
CHLOROBENZENE	12 U	12 U	130 U	17 UJ	14 U	15 U
ETHYLBENZENE	12 U	12 U	130 U	17 UJ	14 U	15 U
STYRENE	12 U	12 U	130 U	17 UJ	14 U	15 U
XYLENE (TOTAL)	12 U	12 U	130 U	17 UJ	14 U	15 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-00	36-DAB-SB02-00	36-DAB-SB03-00	36-DAD-SB01-00	36-DAD-SB02-00	36-DAD-SB03-00
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	390 U	400 U	440 U	560 U	450 U	500 U
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	440 U	560 U	450 U	500 U
2-CHLOROPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
1,3-DICHLOROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
1,4-DICHLOROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
1,2-DICHLOROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
2-METHYLPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	440 U	560 U	450 U	500 U
4-METHYLPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	320 J	560 U	450 U	500 U
HEXACHLOROETHANE	390 U	400 U	440 U	560 U	450 U	500 U
NITROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
ISOPHORONE	390 U	400 U	440 U	560 U	450 U	500 U
2-NITROPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
2,4-DIMETHYLPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	440 U	560 U	450 U	500 U
2,4-DICHLOROPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
1,2,4-TRICHLOROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
NAPHTHALENE	390 U	400 U	440 U	560 U	450 U	500 U
4-CHLOROANILINE	390 U	400 U	440 U	560 U	450 U	500 U
HEXACHLOROBUTADIENE	390 U	400 U	440 U	560 U	450 U	500 U
4-CHLORO-3-METHYLPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
2-METHYLNAPHTHALENE	390 U	400 U	440 U	560 U	450 U	500 U
HEXACHLOROCYCLOPENTADIENE	390 UJ	400 U	440 U	560 U	450 U	500 U
2,4,6-TRICHLOROPHENOL	390 U	400 U	440 U	560 U	450 U	500 U
2,4,5-TRICHLOROPHENOL	960 U	1000 U	1100 U	1400 U	1100 U	1200 U
2-CHLORONAPHTHALENE	390 U	400 U	440 U	560 U	450 U	500 U
2-NITROANILINE	960 U	1000 U	1100 U	1400 U	1100 U	1200 U
DIMETHYLPHTHALATE	390 U	400 U	440 U	560 U	450 U	500 U
ACENAPHTHYLENE	390 U	400 U	440 U	560 U	450 U	500 U
2,6-DINITROTOLUENE	390 U	400 U	440 U	560 U	450 U	500 U
3-NITROANILINE	960 U	1000 UJ	1100 U	1400 U	1100 UJ	1200 U
ACENAPHTHENE	390 U	400 U	440 U	560 U	450 U	500 U
2,4-DINITROPHENOL	960 U	1000 UJ	1100 U	1400 U	1100 UJ	1200 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-00	36-DAB-SB02-00	36-DAB-SB03-00	36-DAD-SB01-00	36-DAD-SB02-00	36-DAD-SB03-00
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	960 U	1000 UJ	1100 U	1400 U	1100 UJ	1200 U
DIBENZOFURAN	390 U	400 U	440 U	560 U	450 U	500 U
2,4-DINITROTOLUENE	390 U	400 U	440 U	560 U	450 U	500 U
DIETHYLPHTHALATE	390 U	400 U	440 U	560 U	450 U	500 U
4-CHLOROPHENYL-PHENYLETHER	390 U	400 U	440 U	560 U	450 U	500 U
FLUORENE	390 U	400 U	440 U	560 U	450 U	500 U
4-NITROANILINE	960 U	1000 R	1100 U	1400 U	1100 R	1200 U
4,6-DINITRO-2-METHYLPHENOL	960 U	1000 U	1100 U	1400 U	1100 U	1200 U
N-NITROSODIPHENYLAMINE (1)	390 U	400 U	440 U	560 U	450 U	500 U
4-BROMOPHENYL-PHENYLETHER	390 U	400 U	440 U	560 U	450 U	500 U
HEXACHLOROBENZENE	390 U	400 U	440 U	560 U	450 U	500 U
PENTACHLOROPHENOL	960 U	1000 U	1100 U	1400 U	1100 U	1200 U
PHENANTHRENE	390 U	400 U	68 J	560 U	59 J	500 U
ANTHRACENE	390 U	400 U	440 U	560 U	450 U	500 U
CARBAZOLE	390 U	400 U	440 U	560 U	450 U	500 U
DI-N-BUTYLPHTHALATE	390 U	400 U	440 U	560 U	450 U	500 U
FLUORANTHENE	390 U	400 U	88 J	100 J	140 J	54 J
PYRENE	41 J	400 U	120 J	110 J	130 J	140 J
BUTYLBENZYLPHTHALATE	390 U	400 U	440 UJ	560 U	450 U	500 UJ
3,3'-DICHLOROBENZIDINE	390 U	400 U	440 UJ	560 U	450 U	500 UJ
BENZO(A)ANTHRACENE	390 U	400 U	46 J	560 U	450 U	500 UJ
CHRYSENE	390 U	400 U	51 J	60 J	73 J	500 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	440 UJ	560 U	450 U	180 J
DI-N-OCTYL PHTHALATE	390 U	400 UJ	440 U	560 UJ	450 UJ	500 U
BENZO(B)FLUORANTHENE	390 U	400 U	440 U	560 UJ	81 J	500 U
BENZO(K)FLUORANTHENE	39 J	400 U	440 U	560 UJ	450 U	500 U
BENZO(A)PYRENE	390 U	400 U	440 U	560 UJ	450 U	500 U
INDENO(1,2,3-CD)PYRENE	390 U	400 U	58 J	560 UJ	450 U	500 U
DIBENZO(A,H)ANTHRACENE	390 U	400 U	440 U	560 UJ	450 U	500 U
BENZO(G,H,I)PERYLENE	390 U	400 U	440 U	560 UJ	450 U	500 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-00	36-DAB-SB02-00	36-DAB-SB03-00	36-DAD-SB01-00	36-DAD-SB02-00	36-DAD-SB03-00
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	19 U	2 UJ	2.2 UJ	2.8 UJ	2.2 UJ	2.5 UJ
BETA-BHC	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
DELTA-BHC	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
GAMMA-BHC (LINDANE)	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
HEPTACHLOR	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
ALDRIN	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
HEPTACHLOR EPOXIDE	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	3 J
ENDOSULFAN I	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
DIELDRIN	39 U	8.9 J	4.4 U	5.6 UJ	4.4 UJ	5 UJ
4,4'-DDE	960	67 J	55 J	530 J	31 J	61 J
ENDRIN	39 U	4.1 UJ	4.4 U	5.6 UJ	4.4 UJ	5 UJ
ENDOSULFAN II	39 U	4.1 UJ	4.4 U	5.6 UJ	4.4 UJ	5 UJ
4,4'-DDD	120 J	16 J	6.1 J	39 J	4.9 J	7.4 J
ENDOSULFAN SULFATE	39 U	4.1 UJ	4.4 U	5.6 UJ	4.4 UJ	5 UJ
4,4'-DDT	3300 J	7.7 J	17	60 J	10 J	17 J
METHOXYCHLOR	190 U	20 UJ	22 U	28 UJ	22 UJ	25 UJ
ENDRIN KETONE	39 U	4.1 UJ	4.4 U	5.6 UJ	4.4 UJ	5 UJ
ENDRIN ALDEHYDE	39 U	4.1 UJ	4.4 U	5.6 UJ	4.4 UJ	5 UJ
ALPHA-CHLORDANE	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
GAMMA-CHLORDANE	19 U	2 UJ	2.2 U	2.8 UJ	2.2 UJ	2.5 UJ
TOXAPHENE	1900 U	200 UJ	220 U	280 UJ	220 UJ	250 UJ
AROCLOR-1016	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ
AROCLOR-1221	780 U	81 UJ	88 U	110 UJ	89 UJ	99 UJ
AROCLOR-1232	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ
AROCLOR-1242	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ
AROCLOR-1248	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ
AROCLOR-1254	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ
AROCLOR-1260	390 U	41 UJ	44 U	56 UJ	44 UJ	50 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB01-00	36-FCA-SB02-00	36-FCA-SB03-00	36-FCA-SB04-00	36-FCA-SB05-00	36-FCA-SB06-00
DATE SAMPLED	02/27/95	02/22/95	02/23/95	02/25/95	02/27/95	02/23/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	14 U	16 U	12 U	12 U	14 U	14 U
BROMOMETHANE	14 U	16 U	12 U	12 U	14 U	14 U
VINYL CHLORIDE	14 U	16 U	12 U	12 U	14 U	14 U
CHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
METHYLENE CHLORIDE	14 U	16 U	12 U	12 U	14 U	14 U
ACETONE	14 U	16 U	12 U	12 U	14 U	14 U
CARBON DISULFIDE	14 U	16 U	12 U	12 U	14 U	14 U
1,1-DICHLOROETHENE	14 U	16 U	12 U	12 U	14 U	14 U
1,1-DICHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
1,2-DICHLOROETHENE (TOTAL)	14 U	16 U	12 U	12 U	14 U	14 U
CHLOROFORM	14 U	16 U	12 U	12 U	14 U	14 U
1,2-DICHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
2-BUTANONE	14 U	16 U	12 U	12 U	14 U	14 U
1,1,1-TRICHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
CARBON TETRACHLORIDE	14 U	16 U	12 U	12 U	14 U	14 U
BROMODICHLOROMETHANE	14 U	16 U	12 U	12 U	14 U	14 U
1,2-DICHLOROPROPANE	14 U	16 U	12 U	12 U	14 U	14 U
CIS-1,3-DICHLOROPROPENE	14 U	16 U	12 U	12 U	14 U	14 U
TRICHLOROETHENE	14 U	16 U	12 U	12 U	14 U	14 U
DIBROMOCHLOROMETHANE	14 U	16 U	12 U	12 U	14 U	14 U
1,1,2-TRICHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
BENZENE	14 U	16 U	12 U	12 U	14 U	14 U
TRANS-1,3-DICHLOROPROPENE	14 U	16 U	12 U	12 U	14 U	14 U
BROMOFORM	14 U	16 U	12 U	12 U	14 U	14 U
4-METHYL-2-PENTANONE	14 U	16 U	12 U	12 U	14 U	14 U
2-HEXANONE	14 U	16 U	12 U	12 U	14 U	14 U
TETRACHLOROETHENE	14 U	16 U	12 U	12 U	14 U	14 U
1,1,2,2-TETRACHLOROETHANE	14 U	16 U	12 U	12 U	14 U	14 U
TOLUENE	14 U	16 U	12 U	12 U	14 U	14 U
CHLOROBENZENE	14 U	16 U	12 U	12 U	14 U	14 U
ETHYLBENZENE	14 U	16 U	12 U	12 U	14 U	14 U
STYRENE	14 U	16 U	12 U	12 U	14 U	14 U
XYLENE (TOTAL)	14 U	16 U	12 U	12 U	14 U	14 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB01-00	36-FCA-SB02-00	36-FCA-SB03-00	36-FCA-SB04-00	36-FCA-SB05-00	36-FCA-SB06-00
DATE SAMPLED	02/27/95	02/22/95	02/23/95	02/25/95	02/27/95	02/23/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	470 U	520 U	410 U	400 U	460 U	460 U
BIS(2-CHLOROETHYL)ETHER	470 U	520 U	410 U	400 U	460 U	460 U
2-CHLOROPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
1,3-DICHLOROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
1,4-DICHLOROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
1,2-DICHLOROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
2-METHYLPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
2,2'-OXYBIS(1-CHLOROPROPANE)	470 U	520 U	410 U	400 U	460 U	460 U
4-METHYLPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
N-NITROSO-DI-N-PROPYLAMINE	470 U	520 U	410 U	400 U	460 U	460 U
HEXACHLOROETHANE	470 U	520 U	410 U	400 U	460 U	460 U
NITROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
ISOPHORONE	470 U	520 U	410 U	400 U	460 U	460 U
2-NITROPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
2,4-DIMETHYLPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
BIS(2-CHLOROETHOXY)METHANE	470 U	520 U	410 U	400 U	460 U	460 U
2,4-DICHLOROPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
1,2,4-TRICHLOROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
NAPHTHALENE	470 U	520 U	410 U	400 U	460 U	460 U
4-CHLOROANILINE	470 UJ	520 U	410 U	400 U	460 UJ	460 U
HEXACHLOROBUTADIENE	470 U	520 U	410 U	400 U	460 U	460 U
4-CHLORO-3-METHYLPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
2-METHYLNAPHTHALENE	470 U	520 U	410 U	400 U	460 U	460 U
HEXACHLOROCYCLOPENTADIENE	470 U	520 U	410 U	400 UJ	460 U	460 U
2,4,6-TRICHLOROPHENOL	470 U	520 U	410 U	400 U	460 U	460 U
2,4,5-TRICHLOROPHENOL	1200 U	1300 U	1000 U	1000 U	1200 U	1200 U
2-CHLORONAPHTHALENE	470 U	520 U	410 U	400 U	460 U	460 U
2-NITROANILINE	1200 U	1300 U	1000 U	1000 U	1200 U	1200 U
DIMETHYLPHTHALATE	470 U	520 U	410 U	400 U	460 U	460 U
ACENAPHTHYLENE	470 U	520 U	410 U	400 U	460 U	460 U
2,6-DINITROTOLUENE	470 U	520 U	410 U	400 U	460 U	460 U
3-NITROANILINE	1200 U	1300 U	1000 U	1000 U	1200 U	1200 UJ
ACENAPHTHENE	470 U	520 U	410 U	400 U	460 U	460 U
2,4-DINITROPHENOL	1200 U	1300 U	1000 UJ	1000 U	1200 U	1200 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB01-00	36-FCA-SB02-00	36-FCA-SB03-00	36-FCA-SB04-00	36-FCA-SB05-00	36-FCA-SB06-00
DATE SAMPLED	02/27/95	02/22/95	02/23/95	02/25/95	02/27/95	02/23/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1200 U	1300 U	1000 U	1000 U	1200 U	1200 UJ
DIBENZOFURAN	470 U	520 U	410 U	400 U	460 U	460 U
2,4-DINITROTOLUENE	470 U	520 U	410 U	400 U	460 U	460 U
DIETHYLPHTHALATE	470 U	520 U	410 U	400 U	460 U	460 U
4-CHLOROPHENYL-PHENYLETHER	470 U	520 U	410 U	400 U	460 U	460 U
FLUORENE	470 U	520 U	410 U	400 U	460 U	460 U
4-NITROANILINE	1200 U	1300 U	1000 U	1000 U	1200 U	1200 R
4,6-DINITRO-2-METHYLPHENOL	1200 U	1300 U	1000 U	1000 UJ	1200 U	1200 U
N-NITROSODIPHENYLAMINE (1)	470 U	520 U	410 U	400 U	460 U	460 U
4-BROMOPHENYL-PHENYLETHER	470 U	520 U	410 U	400 U	460 U	460 U
HEXACHLOROBENZENE	470 U	520 U	410 U	400 U	460 U	460 U
PENTACHLOROPHENOL	1200 U	1300 U	1000 U	1000 U	1200 U	1200 U
PHENANTHRENE	470 U	520 U	410 U	400 U	460 U	460 U
ANTHRACENE	470 U	520 U	410 U	400 U	460 U	460 U
CARBAZOLE	470 U	520 U	410 U	400 U	460 U	460 U
DI-N-BUTYLPHTHALATE	470 U	520 U	410 U	730 U	460 U	120 R
FLUORANTHENE	470 U	520 U	410 U	400 U	460 U	460 U
PYRENE	470 UJ	520 UJ	410 U	400 U	460 UJ	460 U
BUTYLBENZYLPHTHALATE	470 UJ	520 UJ	410 U	400 U	460 UJ	460 U
3,3'-DICHLOROBENZIDINE	470 UJ	520 UJ	410 U	400 U	460 UJ	460 U
BENZO(A)ANTHRACENE	470 UJ	520 UJ	410 U	400 U	460 UJ	460 U
CHRYSENE	470 UJ	520 UJ	410 U	400 U	460 UJ	460 U
BIS(2-ETHYLHEXYL)PHTHALATE	200 J	520 UJ	90 J	400 U	460 UJ	460 U
DI-N-OCTYL PHTHALATE	470 U	520 U	410 U	400 U	460 U	460 UJ
BENZO(B)FLUORANTHENE	470 U	520 U	410 U	400 U	460 U	460 U
BENZO(K)FLUORANTHENE	470 U	520 U	410 U	400 U	460 U	460 U
BENZO(A)PYRENE	470 U	520 U	410 U	400 U	460 U	460 U
INDENO(1,2,3-CD)PYRENE	470 U	520 U	410 U	400 U	460 U	460 U
DIBENZO(A,H)ANTHRACENE	470 U	520 U	410 U	400 U	460 U	460 U
BENZO(G,H,I)PERYLENE	470 U	520 U	410 U	400 U	460 U	460 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB01-00	36-FCA-SB02-00	36-FCA-SB03-00	36-FCA-SB04-00	36-FCA-SB05-00	36-FCA-SB06-00
DATE SAMPLED	02/27/95	02/22/95	02/23/95	02/25/95	02/27/95	02/23/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2.3 UJ	2.6 UJ	2 UJ	2 UJ	2.3 U	2.3 U
BETA-BHC	2.3 UJ	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
DELTA-BHC	2.3 UJ	2.6 UJ	2 UJ	2 UJ	2.3 U	2.3 U
GAMMA-BHC (LINDANE)	2.3 UJ	2.6 UJ	2 UJ	2 UJ	2.3 U	2.3 U
HEPTACHLOR	2.3 UJ	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
ALDRIN	2.3 UJ	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
HEPTACHLOR EPOXIDE	2.3 UJ	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
ENDOSULFAN I	2.3 UJ	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
DIELDRIN	4.2 J	11 J	12	4 UJ	4.7 U	4.6 U
4,4'-DDE	27 J	12 J	12 J	33 J	3.3 J	4.6 U
ENDRIN	4.6 UJ	5.2 UJ	4.1 U	4 UJ	4.7 U	4.6 U
ENDOSULFAN II	4.6 UJ	5.2 UJ	4.1 U	4 UJ	4.7 U	4.6 U
4,4'-DDD	2.8 J	5.2 UJ	4.9 J	4.8 J	4.7 U	4.6 U
ENDOSULFAN SULFATE	4.6 UJ	5.2 UJ	4.1 U	4 UJ	4.7 U	4.6 U
4,4'-DDT	15 J	4.2 J	13 J	23 J	4.7 U	4.6 U
METHOXYCHLOR	23 UJ	26 UJ	20 U	20 UJ	23 UJ	23 U
ENDRIN KETONE	4.6 UJ	5.2 UJ	4.1 U	4 UJ	4.7 U	4.6 U
ENDRIN ALDEHYDE	4.6 UJ	5.2 UJ	4.1 U	4 UJ	4.7 U	4.6 U
ALPHA-CHLORDANE	17 J	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
GAMMA-CHLORDANE	13 J	2.6 UJ	2 U	2 UJ	2.3 U	2.3 U
TOXAPHENE	230 UJ	260 UJ	200 U	200 UJ	230 U	230 U
AROCLOR-1016	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U
AROCLOR-1221	93 UJ	100 UJ	82 U	80 UJ	94 U	92 U
AROCLOR-1232	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U
AROCLOR-1242	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U
AROCLOR-1248	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U
AROCLOR-1254	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U
AROCLOR-1260	46 UJ	52 UJ	41 U	40 UJ	47 U	46 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB07-00	36-FCA-SB08-00	36-FCA-SB09-00	36-FCA-SB10-00	36-FCA-SB11-00	36-FCA-SB12-00
DATE SAMPLED	02/22/95	02/27/95	02/22/95	02/22/95	02/23/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	13 U	14 U	14 U	12 U	13 U	12 U
BROMOMETHANE	13 U	14 U	14 U	12 U	13 U	12 U
VINYL CHLORIDE	13 U	14 U	14 U	12 U	13 U	12 U
CHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
METHYLENE CHLORIDE	13 U	14 U	14 U	12 U	13 U	12 U
ACETONE	13 U	14 U	14 U	12 U	13 U	12 U
CARBON DISULFIDE	13 U	14 U	14 U	12 U	13 U	12 U
1,1-DICHLOROETHENE	13 U	14 U	14 U	12 U	13 U	12 U
1,1-DICHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
1,2-DICHLOROETHENE (TOTAL)	13 U	14 U	14 U	12 U	13 U	12 U
CHLOROFORM	13 U	14 U	14 U	12 U	13 U	12 U
1,2-DICHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
2-BUTANONE	13 U	14 U	14 U	12 U	13 U	12 U
1,1,1-TRICHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
CARBON TETRACHLORIDE	13 U	14 U	14 U	12 U	13 U	12 U
BROMODICHLOROMETHANE	13 U	14 U	14 U	12 U	13 U	12 U
1,2-DICHLOROPROPANE	13 U	14 U	14 U	12 U	13 U	12 U
CIS-1,3-DICHLOROPROPENE	13 U	14 U	14 U	12 U	13 U	12 U
TRICHLOROETHENE	13 U	14 U	14 U	12 U	13 U	12 U
DIBROMOCHLOROMETHANE	13 U	14 U	14 U	12 U	13 U	12 U
1,1,2-TRICHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
BENZENE	13 U	14 U	14 U	12 U	13 U	12 U
TRANS-1,3-DICHLOROPROPENE	13 U	14 U	14 U	12 U	13 U	12 U
BROMOFORM	13 U	14 U	14 U	12 U	13 U	12 U
4-METHYL-2-PENTANONE	13 U	14 U	14 U	12 U	13 U	12 U
2-HEXANONE	13 U	14 U	14 U	12 U	13 U	12 U
TETRACHLOROETHENE	13 U	14 U	14 U	12 U	13 U	12 U
1,1,2,2-TETRACHLOROETHANE	13 U	14 U	14 U	12 U	13 U	12 U
TOLUENE	13 U	14 U	14 U	12 U	13 U	12 U
CHLOROBENZENE	13 U	14 U	14 U	12 U	13 U	12 U
ETHYLBENZENE	13 U	14 U	14 U	12 U	13 U	12 U
STYRENE	13 U	14 U	14 U	12 U	13 U	12 U
XYLENE (TOTAL)	13 U	14 U	14 U	12 U	13 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB07-00	36-FCA-SB08-00	36-FCA-SB09-00	36-FCA-SB10-00	36-FCA-SB11-00	36-FCA-SB12-00
DATE SAMPLED	02/22/95	02/27/95	02/22/95	02/22/95	02/23/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	420 U	400 U	440 U	400 U	420 U	390 U
BIS(2-CHLOROETHYL)ETHER	420 U	400 U	440 U	400 U	420 U	390 U
2-CHLOROPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
1,3-DICHLOROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
1,4-DICHLOROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
1,2-DICHLOROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
2-METHYLPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	400 U	440 U	400 U	420 U	390 U
4-METHYLPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	420 U	400 U	440 U	400 U	420 U	390 U
HEXACHLOROETHANE	420 U	400 U	440 U	400 U	420 U	390 U
NITROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
ISOPHORONE	420 U	400 U	440 U	400 U	420 U	390 U
2-NITROPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
2,4-DIMETHYLPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
BIS(2-CHLOROETHOXY)METHANE	420 U	400 U	440 U	400 U	420 U	390 U
2,4-DICHLOROPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
1,2,4-TRICHLOROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
NAPHTHALENE	420 U	400 U	440 U	400 U	420 U	390 U
4-CHLOROANILINE	420 U	400 UJ	440 U	400 U	420 U	390 U
HEXACHLOROBUTADIENE	420 U	400 U	440 U	400 U	420 U	390 U
4-CHLORO-3-METHYLPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
2-METHYLNAPHTHALENE	420 U	400 U	440 U	400 U	420 U	390 U
HEXACHLOROCYCLOPENTADIENE	420 U	400 U	440 U	400 U	420 U	390 U
2,4,6-TRICHLOROPHENOL	420 U	400 U	440 U	400 U	420 U	390 U
2,4,5-TRICHLOROPHENOL	1100 U	1000 U	1100 U	1000 U	1000 U	980 U
2-CHLORONAPHTHALENE	420 U	400 U	440 U	400 U	420 U	390 U
2-NITROANILINE	1100 U	1000 U	1100 U	1000 U	1000 U	980 U
DIMETHYLPHTHALATE	420 U	400 U	440 U	400 U	420 U	390 U
ACENAPHTHYLENE	420 U	400 U	440 U	400 U	420 U	390 U
2,6-DINITROTOLUENE	420 U	400 U	440 U	400 U	420 U	390 U
3-NITROANILINE	1100 U	1000 U	1100 U	1000 U	1000 UJ	980 U
ACENAPHTHENE	420 U	400 U	440 U	400 U	420 U	390 U
2,4-DINITROPHENOL	1100 UJ	1000 U	1100 UJ	1000 U	1000 UJ	980 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB07-00	36-FCA-SB08-00	36-FCA-SB09-00	36-FCA-SB10-00	36-FCA-SB11-00	36-FCA-SB12-00
DATE SAMPLED	02/22/95	02/27/95	02/22/95	02/22/95	02/23/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1100 U	1000 U	1100 U	1000 U	1000 UJ	980 U
DIBENZOFURAN	420 U	400 U	440 U	400 U	420 U	390 U
2,4-DINITROTOLUENE	420 U	400 U	440 U	400 U	420 U	390 U
DIETHYLPHTHALATE	420 U	400 U	440 U	400 U	420 U	390 U
4-CHLOROPHENYL-PHENYLETHER	420 U	400 U	440 U	400 U	420 U	390 U
FLUORENE	420 U	400 U	440 U	400 U	420 U	390 U
4-NITROANILINE	1100 U	1000 U	1100 U	1000 U	1000 R	980 U
4,6-DINITRO-2-METHYLPHENOL	1100 UJ	1000 U	1100 UJ	1000 U	1000 U	980 UJ
N-NITROSODIPHENYLAMINE (1)	420 U	400 U	440 U	400 U	420 U	390 U
4-BROMOPHENYL-PHENYLETHER	420 U	400 U	440 U	400 U	420 U	390 U
HEXACHLOROBENZENE	420 U	400 U	440 U	400 U	420 U	390 U
PENTACHLOROPHENOL	1100 U	1000 U	1100 U	1000 U	1000 U	980 U
PHENANTHRENE	420 U	400 U	440 U	400 U	420 U	390 U
ANTHRACENE	420 U	400 U	440 U	400 U	420 U	390 U
CARBAZOLE	420 U	400 U	440 U	400 U	420 U	390 U
DI-N-BUTYLPHTHALATE	420 U	470 U	440 U	400 U	420 U	390 U
FLUORANTHENE	420 U	400 U	440 U	400 U	420 U	390 U
PYRENE	420 U	400 UJ	440 U	400 U	420 U	390 U
BUTYLBENZYLPHTHALATE	420 U	400 UJ	440 U	400 U	420 U	390 U
3,3'-DICHLOROBENZIDINE	420 U	400 UJ	440 U	400 U	420 U	390 U
BENZO(A)ANTHRACENE	420 U	400 UJ	440 U	400 U	420 U	390 U
CHRYSENE	420 U	400 UJ	440 U	400 U	420 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	140 J	400 UJ	140 J	400 U	420 U	390 U
DI-N-OCTYL PHTHALATE	420 UJ	400 U	440 UJ	400 U	420 UJ	390 UJ
BENZO(B)FLUORANTHENE	420 U	400 U	440 U	400 U	420 U	390 U
BENZO(K)FLUORANTHENE	420 U	400 U	440 U	400 U	420 U	390 U
BENZO(A)PYRENE	420 U	400 U	440 U	400 U	420 U	390 U
INDENO(1,2,3-CD)PYRENE	420 U	400 U	440 U	400 U	420 U	390 U
DIBENZO(A,H)ANTHRACENE	420 U	400 U	440 U	400 U	420 U	390 U
BENZO(G,H,I)PERYLENE	420 U	400 U	440 U	400 U	420 U	390 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB07-00	36-FCA-SB08-00	36-FCA-SB09-00	36-FCA-SB10-00	36-FCA-SB11-00	36-FCA-SB12-00
DATE SAMPLED	02/22/95	02/27/95	02/22/95	02/22/95	02/23/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2.1 UJ	2 UJ	2.3 UJ	2 UJ	2 UJ	1.9 UJ
BETA-BHC	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	1.9 U
DELTA-BHC	2.1 UJ	2 UJ	2.3 UJ	2 UJ	2 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	2.1 UJ	2 UJ	2.3 UJ	2 UJ	2 UJ	1.9 UJ
HEPTACHLOR	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	1.9
ALDRIN	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	1.9 U
HEPTACHLOR EPOXIDE	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	10 J
ENDOSULFAN I	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	1.9 U
DIELDRIN	4.3 U	4 UJ	4.5 U	47 J	4.1 UJ	3.8 U
4,4'-DDE	11 J	4.8 J	4.5 UJ	150	4.1 UJ	3.8 J
ENDRIN	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
ENDOSULFAN II	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
4,4'-DDD	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
ENDOSULFAN SULFATE	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
4,4'-DDT	9.4	4.4 J	4.5 U	51 J	4.1 UJ	2.7 J
METHOXYCHLOR	21 U	20 UJ	23 U	20 UJ	20 UJ	19 U
ENDRIN KETONE	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
ENDRIN ALDEHYDE	4.3 U	4 UJ	4.5 U	4 UJ	4.1 UJ	3.8 U
ALPHA-CHLORDANE	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	50 J
GAMMA-CHLORDANE	2.1 U	2 UJ	2.3 U	2 UJ	2 UJ	37
TOXAPHENE	210 U	200 UJ	230 U	200 UJ	200 UJ	190 U
AROCLOR-1016	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U
AROCLOR-1221	86 U	80 UJ	90 U	79 UJ	82 UJ	77 U
AROCLOR-1232	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U
AROCLOR-1242	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U
AROCLOR-1248	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U
AROCLOR-1254	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U
AROCLOR-1260	43 U	40 UJ	45 U	40 UJ	41 UJ	38 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB13-00	36-FCA-SB14-00	36-FDA-SB01-00	36-FDA-SB02-00	36-FDA-SB03-00	36-FDA-SB04-00
DATE SAMPLED	02/27/95	02/23/95	02/23/95	02/27/95	02/22/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	13 U	13 U	13 U	12 U	11 U
BROMOMETHANE	12 U	13 U	13 U	13 U	12 U	11 U
VINYL CHLORIDE	12 U	13 U	13 U	13 U	12 U	11 U
CHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
METHYLENE CHLORIDE	12 U	13 U	13 U	13 U	12 U	11 U
ACETONE	12 U	13 U	13 U	13 U	28	11 U
CARBON DISULFIDE	12 U	13 U	13 U	13 U	12 U	11 U
1,1-DICHLOROETHENE	12 U	13 U	13 U	13 U	12 U	11 U
1,1-DICHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
1,2-DICHLOROETHENE (TOTAL)	12 U	13 U	13 U	13 U	12 U	11 U
CHLOROFORM	12 U	13 U	13 U	13 U	12 U	11 U
1,2-DICHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
2-BUTANONE	12 U	13 U	13 U	13 U	12 U	11 U
1,1,1-TRICHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
CARBON TETRACHLORIDE	12 U	13 U	13 U	13 U	12 U	11 U
BROMODICHLOROMETHANE	12 U	13 U	13 U	13 U	12 U	11 U
1,2-DICHLOROPROPANE	12 U	13 U	13 U	13 U	12 U	11 U
CIS-1,3-DICHLOROPROPENE	12 U	13 U	13 U	13 U	12 U	11 U
TRICHLOROETHENE	12 U	13 U	13 U	13 U	4 J	11 U
DIBROMOCHLOROMETHANE	12 U	13 U	13 U	13 U	12 U	11 U
1,1,2-TRICHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
BENZENE	12 U	13 U	13 U	13 U	12 U	11 U
TRANS-1,3-DICHLOROPROPENE	12 U	13 U	13 U	13 U	12 U	11 U
BROMOFORM	12 U	13 U	13 U	13 U	12 U	11 U
4-METHYL-2-PENTANONE	12 U	13 U	13 U	13 U	12 U	11 U
2-HEXANONE	12 U	13 U	13 U	13 U	12 U	11 U
TETRACHLOROETHENE	12 U	13 U	13 U	13 U	12 UJ	11 U
1,1,2,2-TETRACHLOROETHANE	12 U	13 U	13 U	13 U	12 U	11 U
TOLUENE	12 U	13 U	13 U	13 U	12 U	11 U
CHLOROBENZENE	12 U	13 U	13 U	13 U	12 U	11 U
ETHYLBENZENE	12 U	13 U	13 U	13 U	12 U	11 U
STYRENE	12 U	13 U	13 U	13 U	12 U	11 U
XYLENE (TOTAL)	12 U	13 U	13 U	13 U	12 U	11 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB13-00	36-FCA-SB14-00	36-FDA-SB01-00	36-FDA-SB02-00	36-FDA-SB03-00	36-FDA-SB04-00
DATE SAMPLED	02/27/95	02/23/95	02/23/95	02/27/95	02/22/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	400 U	410 U	420 U	430 U	410 U	370 R
BIS(2-CHLOROETHYL)ETHER	400 U	410 U	420 U	430 U	410 U	370 R
2-CHLOROPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
1,3-DICHLOROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
1,4-DICHLOROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
1,2-DICHLOROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
2-METHYLPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	410 U	420 U	430 U	410 U	370 R
4-METHYLPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
N-NITROSO-DI-N-PROPYLAMINE	400 U	410 U	420 U	430 U	410 U	370 R
HEXACHLOROETHANE	400 U	410 U	420 U	430 U	410 U	370 R
NITROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
ISOPHORONE	400 U	410 U	420 U	430 U	410 U	370 R
2-NITROPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
2,4-DIMETHYLPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
BIS(2-CHLOROETHOXY)METHANE	400 U	410 U	420 U	430 U	410 U	370 R
2,4-DICHLOROPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
1,2,4-TRICHLOROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
NAPHTHALENE	400 U	410 U	420 U	430 U	410 U	370 R
4-CHLOROANILINE	400 U	410 U	420 U	430 U	410 U	370 R
HEXACHLOROBUTADIENE	400 U	410 U	420 U	430 U	410 U	370 R
4-CHLORO-3-METHYLPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
2-METHYLNAPHTHALENE	400 U	410 U	420 U	430 U	410 U	370 R
HEXACHLOROCYCLOPENTADIENE	400 UJ	410 U	420 U	430 UJ	410 U	370 R
2,4,6-TRICHLOROPHENOL	400 U	410 U	420 U	430 U	410 U	370 R
2,4,5-TRICHLOROPHENOL	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
2-CHLORONAPHTHALENE	400 U	410 U	420 U	430 U	410 U	370 R
2-NITROANILINE	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
DIMETHYLPHTHALATE	400 U	410 U	420 U	430 U	410 U	370 R
ACENAPHTHYLENE	400 U	410 U	420 U	430 U	410 U	370 R
2,6-DINITROTOLUENE	400 U	410 U	420 U	430 U	410 U	370 R
3-NITROANILINE	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
ACENAPHTHENE	400 U	410 U	420 U	430 U	410 U	370 R
2,4-DINITROPHENOL	1000 U	1000 UJ	1100 U	1100 U	1000 U	920 R

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB13-00	36-FCA-SB14-00	36-FDA-SB01-00	36-FDA-SB02-00	36-FDA-SB03-00	36-FDA-SB04-00
DATE SAMPLED	02/27/95	02/23/95	02/23/95	02/27/95	02/22/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
DIBENZOFURAN	400 U	410 U	420 U	430 U	410 U	370 R
2,4-DINITROTOLUENE	400 U	410 U	420 U	430 U	410 U	370 R
DIETHYLPHTHALATE	400 U	410 U	420 U	430 U	410 U	370 R
4-CHLOROPHENYL-PHENYLETHER	400 U	410 U	420 U	430 U	410 U	370 R
FLUORENE	400 U	410 U	420 U	430 U	410 U	370 R
4-NITROANILINE	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
4,6-DINITRO-2-METHYLPHENOL	1000 U	1000 U	1100 U	1100 UJ	1000 U	920 R
N-NITROSODIPHENYLAMINE (1)	400 U	410 U	420 U	430 U	410 U	370 R
4-BROMOPHENYL-PHENYLETHER	400 U	410 U	420 U	430 U	410 U	370 R
HEXACHLOROBENZENE	400 U	410 U	420 U	430 U	410 U	370 R
PENTACHLOROPHENOL	1000 U	1000 U	1100 U	1100 U	1000 U	920 R
PHENANTHRENE	400 U	410 U	420 U	430 U	410 U	370 R
ANTHRACENE	400 U	410 U	420 U	430 U	410 U	370 R
CARBAZOLE	400 U	410 U	420 U	430 U	410 U	370 R
DI-N-BUTYLPHTHALATE	760 U	410 U	420 U	2300 U	410 U	110 B
FLUORANTHENE	400 U	410 U	420 U	430 U	410 U	370 R
PYRENE	400 U	410 U	420 U	430 U	410 U	370 R
BUTYLBENZYLPHTHALATE	400 U	410 U	420 U	430 U	410 U	370 R
3,3'-DICHLOROBENZIDINE	400 U	410 U	420 U	430 U	410 U	370 R
BENZO(A)ANTHRACENE	400 U	410 U	420 U	430 U	410 U	370 R
CHRYSENE	400 U	410 U	420 U	430 U	410 U	370 R
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	410 U	420 U	430 U	250 J	370 R
DI-N-OCTYL PHTHALATE	400 U	410 U	420 U	430 UJ	410 U	370 R
BENZO(B)FLUORANTHENE	400 U	410 U	420 U	430 U	410 U	370 R
BENZO(K)FLUORANTHENE	400 U	410 U	420 U	430 U	410 U	370 R
BENZO(A)PYRENE	400 U	410 U	420 U	430 U	410 U	370 R
INDENO(1,2,3-CD)PYRENE	400 U	410 U	420 U	430 U	410 U	370 R
DIBENZO(A,H)ANTHRACENE	400 U	410 U	420 U	430 U	410 U	370 R
BENZO(G,H,I)PERYLENE	400 U	410 U	420 U	430 U	410 U	370 R

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB13-00	36-FCA-SB14-00	36-FDA-SB01-00	36-FDA-SB02-00	36-FDA-SB03-00	36-FDA-SB04-00
DATE SAMPLED	02/27/95	02/23/95	02/23/95	02/27/95	02/22/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2 U	2.1 UJ	2.1 UJ	2.2 U	2.1 UJ	1.8 UJ
BETA-BHC	2 U	2.1 U	2.1 U	2.2 U	2.1 U	1.8 U
DELTA-BHC	2 U	2.1 UJ	2.1 U	2.2 U	2.1 UJ	1.8 U
GAMMA-BHC (LINDANE)	2 U	2.1 UJ	2.1 U	2.2 U	2.1 UJ	1.8 U
HEPTACHLOR	2 U	2.1 U	2.1 U	2.2 UJ	2.1 U	1.8 U
ALDRIN	2 U	2.1 U	2.1 U	2.2 U	2.1 U	1.8 U
HEPTACHLOR EPOXIDE	2 U	2.1 U	2.1 U	2.2 U	2.1 U	1.8 U
ENDOSULFAN I	2 U	2.1 U	2.1 U	2.2 U	2.1 U	1.8 U
DIELDRIN	4 U	4.3 U	4.2 U	4.3 U	27	3.7 U
4,4'-DDE	4 U	5.1 J	100 J	3.5 J	50 J	2.2 J
ENDRIN	4 U	4.3 U	4.2 U	4.3 U	4.2 U	3.7 U
ENDOSULFAN II	4 U	4.3 U	4.2 U	4.3 U	4.2 U	3.7 U
4,4'-DDD	4 U	4.3 U	13 J	4.3 U	43 J	3.7 U
ENDOSULFAN SULFATE	4 U	4.3 U	4.2 U	4.3 U	4.2 U	3.7 U
4,4'-DDT	4 U	6.8 J	49 J	3.9 J	18 J	5.9
METHOXYCHLOR	20 UJ	21 U	21 U	22 UJ	21 U	18 U
ENDRIN KETONE	4 U	4.3 U	4.2 U	4.3 U	4.2 U	3.7 U
ENDRIN ALDEHYDE	4 U	4.3 U	4.2 U	4.3 U	4.2 U	3.7 U
ALPHA-CHLORDANE	2 U	2.1 U	1.7 J	2.2 U	2.1 U	1.8 U
GAMMA-CHLORDANE	2 U	2.1 U	1.3 J	2.2 U	2.1 U	1.8 U
TOXAPHENE	200 U	210 U	210 U	220 U	210 U	180 U
AROCLOR-1016	40 U	43 U	42 U	43 U	42 U	37 U
AROCLOR-1221	81 U	85 U	84 U	87 U	83 U	74 U
AROCLOR-1232	40 U	43 U	42 U	43 U	42 U	37 U
AROCLOR-1242	40 U	43 U	42 U	43 U	42 U	37 U
AROCLOR-1248	40 U	43 U	42 U	43 U	42 U	37 U
AROCLOR-1254	40 U	43 U	42 U	43 U	42 U	37 U
AROCLOR-1260	40 U	43 U	42 U	43 U	42 U	37 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB05-00	36-FDA-SB06-00	36-GS-SB01-00	36-GS-SB02-00	36-GS-SB03-00	36-GS-SB04-00
DATE SAMPLED	02/27/95	02/25/95	05/06/95	05/06/95	05/07/95	05/06/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	11 U	12 U	11 U	11 U	11 U	11 U
BROMOMETHANE	11 U	12 U	11 U	11 U	11 U	11 U
VINYL CHLORIDE	11 U	12 U	11 U	11 U	11 U	11 U
CHLOROETHANE	11 U	12 U	11 U	11 U	11 U	11 U
METHYLENE CHLORIDE	11 U	12 U	11 U	11 U	11 U	11 U
ACETONE	11 U	12 U	11 U	11 U	11 U	11 U
CARBON DISULFIDE	11 U	12 U	11 U	11 U	11 U	11 U
1,1-DICHLOROETHENE	11 U	12 U	11 U	11 U	11 U	11 U
1,1-DICHLOROETHANE	11 U	12 U	11 U	11 U	11 U	11 U
1,2-DICHLOROETHENE (TOTAL)	11 U	12 U	11 U	11 U	11 U	11 U
CHLOROFORM	11 U	12 U	11 U	11 U	11 U	11 U
1,2-DICHLOROETHANE	11 U	12 U	11 U	11 U	11 U	11 U
2-BUTANONE	11 U	12 U	11 U	11 U	11 U	11 U
1,1,1-TRICHLOROETHANE	11 U	12 U	11 U	11 U	11 U	11 U
CARBON TETRACHLORIDE	11 U	12 U	11 U	11 U	11 U	11 U
BROMODICHLOROMETHANE	11 U	12 U	11 U	11 U	11 U	11 U
1,2-DICHLOROPROPANE	11 U	12 U	11 U	11 U	11 U	11 U
CIS-1,3-DICHLOROPROPENE	11 U	12 U	11 U	11 U	11 U	11 U
TRICHLOROETHENE	11 U	12 U	11 U	11 U	11 U	11 U
DIBROMOCHLOROMETHANE	11 U	12 U	11 U	11 U	11 U	11 U
1,1,2-TRICHLOROETHANE	11 U	12 U	11 U	11 U	11 U	11 U
BENZENE	11 U	12 U	11 U	11 U	11 U	11 U
TRANS-1,3-DICHLOROPROPENE	11 U	12 U	11 U	11 U	11 U	11 U
BROMOFORM	11 U	12 U	11 U	11 U	11 U	11 U
4-METHYL-2-PENTANONE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
2-HEXANONE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
TETRACHLOROETHENE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
1,1,2,2-TETRACHLOROETHANE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
TOLUENE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
CHLOROBENZENE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
ETHYLBENZENE	11 U	12 U	11 U	11 U	11 UJ	11 UJ
STYRENE	11 U	12 U	11 U	11 U	39 J	11 UJ
XYLENE (TOTAL)	11 U	12 U	11 U	11 U	11 UJ	11 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB05-00	36-FDA-SB06-00	36-GS-SB01-00	36-GS-SB02-00	36-GS-SB03-00	36-GS-SB04-00
DATE SAMPLED	02/27/95	02/25/95	05/06/95	05/06/95	05/07/95	05/06/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	370 U	390 U	370 U	350 U	360 U	360 U
BIS(2-CHLOROETHYL)ETHER	370 U	390 U	370 U	350 U	360 U	360 U
2-CHLOROPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
1,3-DICHLOROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
1,4-DICHLOROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
1,2-DICHLOROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
2-METHYLPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	390 U	370 U	350 U	360 U	360 U
4-METHYLPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
N-NITROSO-DI-N-PROPYLAMINE	370 U	390 U	370 U	350 U	360 U	360 U
HEXACHLOROETHANE	370 U	390 U	370 U	350 U	360 U	360 U
NITROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
ISOPHORONE	370 U	390 U	370 U	350 U	360 U	360 U
2-NITROPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
2,4-DIMETHYLPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
BIS(2-CHLOROETHOXY)METHANE	370 U	390 U	370 U	350 U	360 U	360 U
2,4-DICHLOROPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
1,2,4-TRICHLOROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
NAPHTHALENE	370 U	390 U	370 U	350 U	360 U	360 U
4-CHLOROANILINE	370 U	390 U	370 U	350 U	360 U	360 U
HEXACHLOROBUTADIENE	370 U	390 U	370 U	350 U	360 U	360 U
4-CHLORO-3-METHYLPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
2-METHYLNAPHTHALENE	370 U	390 U	370 U	350 U	360 U	360 U
HEXACHLOROCYCLOPENTADIENE	370 U	390 U	370 U	350 U	360 U	360 U
2,4,6-TRICHLOROPHENOL	370 U	390 U	370 U	350 U	360 U	360 U
2,4,5-TRICHLOROPHENOL	920 U	980 U	920 U	880 U	900 U	900 U
2-CHLORONAPHTHALENE	370 U	390 U	370 U	350 U	360 U	360 U
2-NITROANILINE	920 U	980 U	920 U	880 U	900 U	900 U
DIMETHYLPHTHALATE	370 U	390 U	370 U	350 U	360 U	360 U
ACENAPHTHYLENE	370 U	390 U	370 U	350 U	360 U	360 U
2,6-DINITROTOLUENE	370 U	390 U	370 U	350 U	360 U	360 U
3-NITROANILINE	920 U	980 U	920 U	880 U	900 U	900 U
ACENAPHTHENE	370 U	390 U	370 U	350 U	360 U	360 U
2,4-DINITROPHENOL	920 U	980 U	920 U	880 U	900 U	900 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB05-00	36-FDA-SB06-00	36-GS-SB01-00	36-GS-SB02-00	36-GS-SB03-00	36-GS-SB04-00
DATE SAMPLED	02/27/95	02/25/95	05/06/95	05/06/95	05/07/95	05/06/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	920 U	980 U	920 U	880 U	900 U	900 U
DIBENZOFURAN	370 U	390 U	370 U	350 U	360 U	360 U
2,4-DINITROTOLUENE	370 U	390 U	370 U	350 U	360 U	360 U
DIETHYLPHTHALATE	370 U	390 U	370 U	350 U	360 U	360 U
4-CHLOROPHENYL-PHENYLETHER	370 U	390 U	370 U	350 U	360 U	360 U
FLUORENE	370 U	390 U	370 U	350 U	360 U	360 U
4-NITROANILINE	920 U	980 U	920 U	880 U	900 U	900 U
4,6-DINITRO-2-METHYLPHENOL	920 U	980 U	920 U	880 U	900 U	900 U
N-NITROSODIPHENYLAMINE (1)	370 U	390 U	370 U	350 U	360 U	360 U
4-BROMOPHENYL-PHENYLETHER	370 U	390 U	370 U	350 U	360 U	360 U
HEXACHLOROBENZENE	370 U	390 U	370 U	350 U	360 U	360 U
PENTACHLOROPHENOL	920 U	980 U	920 U	880 U	900 U	900 U
PHENANTHRENE	370 U	390 U	370 U	350 U	360 U	360 U
ANTHRACENE	370 U	390 U	370 U	350 U	360 U	360 U
CARBAZOLE	370 U	390 U	370 U	350 U	360 U	360 U
DI-N-BUTYLPHTHALATE	370 U	390 U	450 U	350 U	400 U	450 U
FLUORANTHENE	370 U	390 U	370 U	350 U	360 U	360 U
PYRENE	370 U	390 U	370 U	350 U	360 U	360 U
BUTYLBENZYLPHTHALATE	370 U	390 U	370 U	350 U	360 U	360 U
3,3'-DICHLOROBENZIDINE	370 U	390 U	370 U	350 U	360 U	360 U
BENZO(A)ANTHRACENE	370 U	390 U	370 U	350 U	360 U	360 U
CHRYSENE	370 U	390 U	370 U	350 U	360 U	360 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	390 U	370 U	350 U	360 U	360 U
DI-N-OCTYL PHTHALATE	370 U	390 U	370 U	350 U	360 U	360 U
BENZO(B)FLUORANTHENE	370 U	390 U	370 U	350 U	360 U	360 U
BENZO(K)FLUORANTHENE	370 U	390 U	370 U	350 U	360 U	360 U
BENZO(A)PYRENE	370 U	390 U	370 U	350 U	360 U	360 U
INDENO(1,2,3-CD)PYRENE	370 U	390 U	370 U	350 U	360 U	360 U
DIBENZO(A,H)ANTHRACENE	370 U	390 U	370 U	350 U	360 U	360 U
BENZO(G,H,I)PERYLENE	370 U	390 U	370 U	350 U	360 U	360 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB05-00	36-FDA-SB06-00	36-GS-SB01-00	36-GS-SB02-00	36-GS-SB03-00	36-GS-SB04-00
DATE SAMPLED	02/27/95	02/25/95	05/06/95	05/06/95	05/07/95	05/06/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	1.8 UJ	2 UJ	NA	NA	NA	NA
BETA-BHC	1.8 UJ	2 U	NA	NA	NA	NA
DELTA-BHC	1.8 UJ	2 U	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	1.8 UJ	2 U	NA	NA	NA	NA
HEPTACHLOR	1.8 UJ	2 U	NA	NA	NA	NA
ALDRIN	1.8 UJ	2 U	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	1.8 UJ	2 U	NA	NA	NA	NA
ENDOSULFAN I	1.8 UJ	2 U	NA	NA	NA	NA
DIELDRIN	3.7 UJ	2 J	NA	NA	NA	NA
4,4'-DDE	3.7 UJ	6.7	NA	NA	NA	NA
ENDRIN	3.7 UJ	3.9 U	NA	NA	NA	NA
ENDOSULFAN II	3.7 UJ	3.9 U	NA	NA	NA	NA
4,4'-DDD	3.7 UJ	3.5 J	NA	NA	NA	NA
ENDOSULFAN SULFATE	3.7 UJ	3.9 U	NA	NA	NA	NA
4,4'-DDT	1.8 J	7.1	NA	NA	NA	NA
METHOXYCHLOR	18 UJ	20 U	NA	NA	NA	NA
ENDRIN KETONE	3.7 UJ	3.9 U	NA	NA	NA	NA
ENDRIN ALDEHYDE	3.7 UJ	3.9 U	NA	NA	NA	NA
ALPHA-CHLORDANE	1.8 UJ	2 U	NA	NA	NA	NA
GAMMA-CHLORDANE	1.8 UJ	2 U	NA	NA	NA	NA
TOXAPHENE	180 UJ	200 U	NA	NA	NA	NA
AROCLOR-1016	37 UJ	39 U	NA	NA	NA	NA
AROCLOR-1221	73 UJ	78 U	NA	NA	NA	NA
AROCLOR-1232	37 UJ	39 U	NA	NA	NA	NA
AROCLOR-1242	37 UJ	39 U	NA	NA	NA	NA
AROCLOR-1248	37 UJ	39 U	NA	NA	NA	NA
AROCLOR-1254	37 UJ	39 U	NA	NA	NA	NA
AROCLOR-1260	37 UJ	39 U	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB05-00	36-GS-SB06-00	36-GW07-00	36-GW09-00	36-GW10-00	36-GW11-00
DATE SAMPLED	05/06/95	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	11 U	12 U	16 U	12 U	12 U
BROMOMETHANE	12 U	11 U	12 U	16 U	12 U	12 U
VINYL CHLORIDE	12 U	11 U	12 U	16 U	12 U	12 U
CHLOROETHANE	12 U	11 U	12 U	16 U	12 U	12 U
METHYLENE CHLORIDE	12 U	11 U	12 U	16 U	12 U	12 U
ACETONE	12 U	11 U	12 U	16 U	12 U	12 U
CARBON DISULFIDE	12 U	11 U	12 U	16 U	12 U	12 U
1,1-DICHLOROETHENE	12 U	11 U	12 U	16 U	12 U	12 U
1,1-DICHLOROETHANE	12 U	11 U	12 U	16 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	12 U	11 U	12 U	16 U	12 U	12 U
CHLOROFORM	12 U	11 U	12 U	16 U	12 U	12 U
1,2-DICHLOROETHANE	12 U	11 U	12 U	16 U	12 U	12 U
2-BUTANONE	12 U	11 U	12 U	16 U	12 U	12 U
1,1,1-TRICHLOROETHANE	12 U	11 U	12 U	16 U	12 U	12 U
CARBON TETRACHLORIDE	12 U	11 U	12 U	16 U	12 U	12 U
BROMODICHLOROMETHANE	12 U	11 U	12 U	16 U	12 U	12 U
1,2-DICHLOROPROPANE	12 U	11 U	12 U	16 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	12 U	11 U	12 U	16 U	12 U	12 U
TRICHLOROETHENE	12 U	11 U	12 U	16 U	12 U	12 U
DIBROMOCHLOROMETHANE	12 U	11 U	12 U	16 U	12 U	12 U
1,1,2-TRICHLOROETHANE	12 U	11 U	12 U	16 U	12 U	12 U
BENZENE	12 U	11 U	12 U	16 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	12 U	11 U	12 U	16 U	12 U	12 U
BROMOFORM	12 U	11 U	12 U	16 U	12 U	12 U
4-METHYL-2-PENTANONE	12 U	11 U	12 U	16 UJ	12 U	12 U
2-HEXANONE	12 U	11 U	12 U	16 UJ	12 U	12 U
TETRACHLOROETHENE	12 U	11 U	12 U	16 UJ	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	12 U	11 U	12 U	16 UJ	12 U	12 U
TOLUENE	12 U	11 U	12 U	16 UJ	12 U	12 U
CHLOROBENZENE	12 U	11 U	12 U	16 UJ	12 U	12 U
ETHYLBENZENE	12 U	11 U	12 U	16 UJ	12 U	12 U
STYRENE	12 U	11 U	12 U	16 UJ	12 U	12 U
XYLENE (TOTAL)	12 U	11 U	12 U	16 UJ	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB05-00	36-GS-SB06-00	36-GW07-00	36-GW09-00	36-GW10-00	36-GW11-00
DATE SAMPLED	05/06/95	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	380 U	350 U	390 U	510 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	380 U	350 U	390 U	510 U	390 U	400 U
2-CHLOROPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
1,3-DICHLOROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
1,4-DICHLOROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
1,2-DICHLOROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
2-METHYLPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	350 U	390 U	510 U	390 U	400 U
4-METHYLPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	350 U	390 U	510 U	390 U	400 U
HEXACHLOROETHANE	380 U	350 U	390 U	510 U	390 U	400 U
NITROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
ISOPHORONE	380 U	350 U	390 U	510 U	390 U	400 U
2-NITROPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
2,4-DIMETHYLPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
BIS(2-CHLOROETHOXY)METHANE	380 U	350 U	390 U	510 U	390 U	400 U
2,4-DICHLOROPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
NAPHTHALENE	380 U	350 U	390 U	510 U	390 U	400 U
4-CHLOROANILINE	380 U	350 U	390 U	510 U	390 U	400 U
HEXACHLOROBUTADIENE	380 U	350 U	390 U	510 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
2-METHYLNAPHTHALENE	380 U	350 U	390 U	510 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	380 U	350 U	390 U	510 U	390 UJ	400 U
2,4,6-TRICHLOROPHENOL	380 U	350 U	390 U	510 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	960 U	880 U	980 U	1300 U	980 U	1000 U
2-CHLORONAPHTHALENE	380 U	350 U	390 U	510 U	390 U	400 U
2-NITROANILINE	960 U	880 U	980 U	1300 U	980 U	1000 U
DIMETHYLPHTHALATE	380 U	350 U	390 U	510 U	390 U	400 U
ACENAPHTHYLENE	380 U	350 U	390 U	510 U	390 U	400 U
2,6-DINITROTOLUENE	380 U	350 U	390 U	510 U	390 U	400 U
3-NITROANILINE	960 U	880 U	980 U	1300 U	980 U	1000 U
ACENAPHTHENE	380 U	350 U	390 U	510 U	390 U	400 U
2,4-DINITROPHENOL	960 U	880 U	980 U	1300 U	980 U	1000 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB05-00	36-GS-SB06-00	36-GW07-00	36-GW09-00	36-GW10-00	36-GW11-00
DATE SAMPLED	05/06/95	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	960 U	880 U	980 U	1300 U	980 U	1000 U
DIBENZOFURAN	380 U	350 U	390 U	510 U	390 U	400 U
2,4-DINITROTOLUENE	380 U	350 U	390 U	510 U	390 U	400 U
DIETHYLPHTHALATE	380 U	350 U	390 U	510 U	390 U	400 U
4-CHLOROPHENYL-PHENYLETHER	380 U	350 U	390 U	510 U	390 U	400 U
FLUORENE	380 U	350 U	390 U	510 U	390 U	400 U
4-NITROANILINE	960 U	880 U	980 U	1300 U	980 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	960 U	880 U	980 U	1300 U	980 U	1000 U
N-NITROSODIPHENYLAMINE (1)	380 U	350 U	390 U	510 U	390 U	400 U
4-BROMOPHENYL-PHENYLETHER	380 U	350 U	390 U	510 U	390 U	400 U
HEXACHLOROBENZENE	380 U	350 U	390 U	510 U	390 U	400 U
PENTACHLOROPHENOL	960 U	880 U	980 U	1300 U	980 U	1000 U
PHENANTHRENE	380 U	350 U	390 U	510 U	390 U	400 U
ANTHRACENE	380 U	350 U	390 U	510 U	390 U	400 U
CARBAZOLE	380 U	350 U	390 U	510 U	390 U	400 U
DI-N-BUTYLPHTHALATE	380 U	410 U	390 U	510 U	390 U	1400 U
FLUORANTHENE	380 U	350 U	390 U	510 U	390 U	400 U
PYRENE	380 U	350 U	390 U	510 U	390 U	400 U
BUTYLBENZYLPHTHALATE	380 U	350 U	390 U	510 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	380 U	350 U	390 U	510 U	390 U	400 U
BENZO(A)ANTHRACENE	380 U	350 U	390 U	510 U	390 U	400 U
CHRYSENE	380 U	350 U	390 U	510 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	350 U	360 J	160 J	390 U	400 U
DI-N-OCTYL PHTHALATE	380 U	350 U	390 U	510 U	390 U	400 U
BENZO(B)FLUORANTHENE	380 U	350 U	390 U	510 U	390 U	400 U
BENZO(K)FLUORANTHENE	380 U	350 U	390 U	510 U	390 U	400 U
BENZO(A)PYRENE	380 U	350 U	390 U	510 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	380 U	350 U	390 U	510 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	380 U	350 U	390 U	510 U	390 U	400 U
BENZO(G,H,I)PERYLENE	380 U	350 U	390 U	510 U	390 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB05-00	36-GS-SB06-00	36-GW07-00	36-GW09-00	36-GW10-00	36-GW11-00
DATE SAMPLED	05/06/95	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	NA	NA	2 U	2.6 UJ	2 U	2 UJ
BETA-BHC	NA	NA	2 U	2.6 UJ	2 U	2 UJ
DELTA-BHC	NA	NA	2 U	2.6 UJ	2 U	2 UJ
GAMMA-BHC (LINDANE)	NA	NA	2 U	2.6 UJ	2 U	2 UJ
HEPTACHLOR	NA	NA	2 U	2.6 UJ	2 U	2 UJ
ALDRIN	NA	NA	2 U	2.6 UJ	2 U	2 UJ
HEPTACHLOR EPOXIDE	NA	NA	2 U	2.6 UJ	2 U	2 UJ
ENDOSULFAN I	NA	NA	2 U	2.6 UJ	2 U	2 UJ
DIELDRIN	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
4,4'-DDE	NA	NA	13	10 J	3.9 U	30 J
ENDRIN	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
ENDOSULFAN II	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
4,4'-DDD	NA	NA	3.9 U	3.7 J	3.9 U	15 J
ENDOSULFAN SULFATE	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
4,4'-DDT	NA	NA	5.1	5.2 UJ	3.9 U	18 J
METHOXYCHLOR	NA	NA	20 U	26 UJ	20 U	20 UJ
ENDRIN KETONE	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
ENDRIN ALDEHYDE	NA	NA	3.9 U	5.2 UJ	3.9 U	4 UJ
ALPHA-CHLORDANE	NA	NA	2 U	2.6 UJ	2 U	1.2 J
GAMMA-CHLORDANE	NA	NA	2 U	2.6 UJ	2 U	1.2 J
TOXAPHENE	NA	NA	200 U	260 UJ	200 U	200 UJ
AROCLOR-1016	NA	NA	39 U	52 UJ	39 U	40 UJ
AROCLOR-1221	NA	NA	79 U	100 UJ	79 U	80 UJ
AROCLOR-1232	NA	NA	39 U	52 UJ	39 U	40 UJ
AROCLOR-1242	NA	NA	39 U	52 UJ	39 U	40 UJ
AROCLOR-1248	NA	NA	39 U	52 UJ	39 U	40 UJ
AROCLOR-1254	NA	NA	39 U	52 UJ	39 U	40 UJ
AROCLOR-1260	NA	NA	39 U	52 UJ	39 U	40 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-00	36-GW13-00	36-GW14-00	36-OA-SB01-00	36-OA-SB01A-00	36-OA-SB01B-00
DATE SAMPLED	04/23/95	04/24/95	04/24/95	02/22/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	11 U	11 U	10 U	12 U	12 U	12 U
BROMOMETHANE	11 U	11 U	10 U	12 U	12 U	12 U
VINYL CHLORIDE	11 U	11 U	10 U	12 U	12 U	12 U
CHLOROETHANE	11 U	11 U	10 U	12 U	12 U	12 U
METHYLENE CHLORIDE	11 U	11 U	10 U	12 U	12 U	12 U
ACETONE	11 U	11 U	10 U	12 U	12 U	12 U
CARBON DISULFIDE	11 U	11 U	10 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	11 U	11 U	10 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	11 U	11 U	10 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U	10 U	12 U	12 U	12 U
CHLOROFORM	11 U	11 U	10 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	11 U	11 U	10 U	12 U	12 U	12 U
2-BUTANONE	11 U	11 U	10 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	11 U	11 U	10 U	12 U	12 U	12 U
CARBON TETRACHLORIDE	11 U	11 U	10 U	12 U	12 U	12 U
BROMODICHLOROMETHANE	11 U	11 U	10 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE	11 U	11 U	10 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	11 U	11 U	10 U	12 U	12 U	12 U
TRICHLOROETHENE	11 U	11 U	10 U	12 U	12 U	12 U
DIBROMOCHLOROMETHANE	11 U	11 U	10 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	11 U	11 U	10 U	12 U	12 U	12 U
BENZENE	11 U	11 U	10 U	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	11 U	11 U	10 U	12 U	12 U	12 U
BROMOFORM	11 U	11 U	10 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	11 U	11 U	10 U	12 U	12 UJ	12 U
2-HEXANONE	11 U	11 U	10 U	12 U	12 UJ	12 U
TETRACHLOROETHENE	3 J	2 J	2 J	12 U	12 UJ	12 U
1,1,2,2-TETRACHLOROETHANE	11 U	11 U	10 U	12 U	12 UJ	12 U
TOLUENE	11 U	11 U	10 U	12 U	12 UJ	12 U
CHLOROBENZENE	11 U	11 U	10 U	12 U	12 UJ	12 U
ETHYLBENZENE	11 U	11 U	10 U	12 U	12 UJ	12 U
STYRENE	11 U	11 U	10 U	12 U	12 UJ	12 U
XYLENE (TOTAL)	11 U	11 U	10 U	12 U	12 UJ	12 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-00	36-GW13-00	36-GW14-00	36-OA-SB01-00	36-OA-SB01A-00	36-OA-SB01B-00
DATE SAMPLED	04/23/95	04/24/95	04/24/95	02/22/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	NA	NA	NA	400 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	400 U	400 U	400 U
2-CHLOROPHENOL	NA	NA	NA	400 U	400 U	400 U
1,3-DICHLOROBENZENE	NA	NA	NA	400 U	400 U	400 U
1,4-DICHLOROBENZENE	NA	NA	NA	400 U	400 U	400 U
1,2-DICHLOROBENZENE	NA	NA	NA	400 U	400 U	400 U
2-METHYLPHENOL	NA	NA	NA	400 U	400 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	400 U	400 U	400 U
4-METHYLPHENOL	NA	NA	NA	400 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	400 U	400 U	400 U
HEXACHLOROETHANE	NA	NA	NA	400 U	400 U	400 U
NITROBENZENE	NA	NA	NA	400 U	400 U	400 U
ISOPHORONE	NA	NA	NA	400 U	400 U	400 U
2-NITROPHENOL	NA	NA	NA	400 U	400 U	400 U
2,4-DIMETHYLPHENOL	NA	NA	NA	400 U	400 U	400 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	400 U	400 U	400 U
2,4-DICHLOROPHENOL	NA	NA	NA	400 U	400 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	400 U	400 U	400 U
NAPHTHALENE	NA	NA	NA	400 U	48 J	400 U
4-CHLOROANILINE	NA	NA	NA	400 U	400 U	400 U
HEXACHLOROBUTADIENE	NA	NA	NA	400 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	400 U	400 U	400 U
2-METHYLNAPHTHALENE	NA	NA	NA	400 U	82 J	400 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	400 U	400 U	400 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	400 U	400 U	400 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	1000 U	990 U	1000 U
2-CHLORONAPHTHALENE	NA	NA	NA	400 U	400 U	400 U
2-NITROANILINE	NA	NA	NA	1000 U	990 U	1000 U
DIMETHYLPHTHALATE	NA	NA	NA	400 U	400 U	400 U
ACENAPHTHYLENE	NA	NA	NA	400 U	400 U	400 U
2,6-DINITROTOLUENE	NA	NA	NA	400 U	400 U	400 U
3-NITROANILINE	NA	NA	NA	1000 U	990 U	1000 U
ACENAPHTHENE	NA	NA	NA	400 U	400 U	400 U
2,4-DINITROPHENOL	NA	NA	NA	1000 U	990 U	1000 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-00	36-GW13-00	36-GW14-00	36-OA-SB01-00	36-OA-SB01A-00	36-OA-SB01B-00
DATE SAMPLED	04/23/95	04/24/95	04/24/95	02/22/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	NA	NA	NA	1000 U	990 U	1000 U
DIBENZOFURAN	NA	NA	NA	400 U	400 U	400 U
2,4-DINITROTOLUENE	NA	NA	NA	400 U	400 U	400 U
DIETHYLPHTHALATE	NA	NA	NA	400 U	400 U	400 U
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	400 U	400 U	400 U
FLUORENE	NA	NA	NA	400 U	400 U	400 U
4-NITROANILINE	NA	NA	NA	1000 U	990 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	1000 U	990 U	1000 U
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	400 U	400 U	400 U
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	400 U	400 U	400 U
HEXACHLOROBENZENE	NA	NA	NA	400 U	400 U	400 U
PENTACHLOROPHENOL	NA	NA	NA	1000 U	990 U	1000 U
PHENANTHRENE	NA	NA	NA	400 U	120 J	400 U
ANTHRACENE	NA	NA	NA	400 U	400 U	400 U
CARBAZOLE	NA	NA	NA	400 U	400 U	400 U
DI-N-BUTYLPHTHALATE	NA	NA	NA	400 U	400 U	1900 U
FLUORANTHENE	NA	NA	NA	400 U	400 U	400 U
PYRENE	NA	NA	NA	400 U	400 U	400 U
BUTYLBENZYLPHTHALATE	NA	NA	NA	400 U	400 U	400 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	400 U	400 U	400 U
BENZO(A)ANTHRACENE	NA	NA	NA	400 U	400 U	400 U
CHRYSENE	NA	NA	NA	400 U	91 J	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	46 J	400 U	400 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	400 U	400 U	400 U
BENZO(B)FLUORANTHENE	NA	NA	NA	400 U	51 J	400 U
BENZO(K)FLUORANTHENE	NA	NA	NA	400 U	400 U	400 U
BENZO(A)PYRENE	NA	NA	NA	400 U	40 J	400 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	400 U	400 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	400 U	400 U	400 U
BENZO(G,H,I)PERYLENE	NA	NA	NA	400 U	400 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-00	36-GW13-00	36-GW14-00	36-OA-SB01-00	36-OA-SB01A-00	36-OA-SB01B-00
DATE SAMPLED	04/23/95	04/24/95	04/24/95	02/22/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	NA	NA	NA	2 UJ	100 U	2 U
BETA-BHC	NA	NA	NA	2 U	100 U	2 U
DELTA-BHC	NA	NA	NA	2 UJ	100 U	2 U
GAMMA-BHC (LINDANE)	NA	NA	NA	2 UJ	100 U	2 U
HEPTACHLOR	NA	NA	NA	2 U	100 U	2 U
ALDRIN	NA	NA	NA	2 U	100 U	2 U
HEPTACHLOR EPOXIDE	NA	NA	NA	2 U	100 U	3.9 J
ENDOSULFAN I	NA	NA	NA	2 U	100 U	2 U
DIELDRIN	NA	NA	NA	58 J	200 U	6.3
4,4'-DDE	NA	NA	NA	110 J	2600	42 J
ENDRIN	NA	NA	NA	4 U	200 U	3.9 U
ENDOSULFAN II	NA	NA	NA	4 U	200 U	3.9 U
4,4'-DDD	NA	NA	NA	22	550 J	4.7 J
ENDOSULFAN SULFATE	NA	NA	NA	4 U	200 U	3.9 U
4,4'-DDT	NA	NA	NA	61 J	12000	20
METHOXYCHLOR	NA	NA	NA	20 U	1000 U	20 U
ENDRIN KETONE	NA	NA	NA	4 U	200 U	3.9 U
ENDRIN ALDEHYDE	NA	NA	NA	4 U	200 U	3.9 U
ALPHA-CHLORDANE	NA	NA	NA	2 U	100 U	2.4 J
GAMMA-CHLORDANE	NA	NA	NA	2 U	100 U	2 U
TOXAPHENE	NA	NA	NA	200 U	10000 U	200 U
AROCLOR-1016	NA	NA	NA	40 U	2000 U	39 U
AROCLOR-1221	NA	NA	NA	80 U	4000 U	79 U
AROCLOR-1232	NA	NA	NA	40 U	2000 U	39 U
AROCLOR-1242	NA	NA	NA	40 U	2000 U	39 U
AROCLOR-1248	NA	NA	NA	1400	2000 U	810
AROCLOR-1254	NA	NA	NA	530 J	2000 U	39 U
AROCLOR-1260	NA	NA	NA	40 U	2000 U	39 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-OA-SB01C-00	36-OA-SB01D-00	36-OA-SB01E-00	36-OA-SB01F-00	36-OA-SB01G-00	36-OA-SB01H-00
DATE SAMPLED	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95	10/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	NA	NA	NA	NA
BROMOMETHANE	12 U	12 U	NA	NA	NA	NA
VINYL CHLORIDE	12 U	12 U	NA	NA	NA	NA
CHLOROETHANE	12 U	12 U	NA	NA	NA	NA
METHYLENE CHLORIDE	12 U	12 U	NA	NA	NA	NA
ACETONE	12 U	12 U	NA	NA	NA	NA
CARBON DISULFIDE	12 U	12 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	12 U	12 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	12 U	12 U	NA	NA	NA	NA
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	NA	NA	NA	NA
CHLOROFORM	12 U	12 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	12 U	12 U	NA	NA	NA	NA
2-BUTANONE	12 U	12 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	12 U	12 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	12 U	12 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	12 U	12 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	12 U	12 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	12 U	12 U	NA	NA	NA	NA
TRICHLOROETHENE	12 U	12 U	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	12 U	12 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	12 U	12 U	NA	NA	NA	NA
BENZENE	12 U	12 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	NA	NA	NA	NA
BROMOFORM	12 U	12 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	12 U	NA	NA	NA	NA
2-HEXANONE	12 U	12 U	NA	NA	NA	NA
TETRACHLOROETHENE	12 U	12 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	12 U	12 U	NA	NA	NA	NA
TOLUENE	12 U	12 U	NA	NA	NA	NA
CHLOROBENZENE	12 U	12 U	NA	NA	NA	NA
ETHYLBENZENE	12 U	12 U	NA	NA	NA	NA
STYRENE	12 U	12 U	NA	NA	NA	NA
XYLENE (TOTAL)	12 U	12 U	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-OA-SB01C-00	36-OA-SB01D-00	36-OA-SB01E-00	36-OA-SB01F-00	36-OA-SB01G-00	36-OA-SB01H-00
DATE SAMPLED	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95	10/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	410 U	390 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	410 U	390 U	NA	NA	NA	NA
2-CHLOROPHENOL	410 U	390 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	410 U	390 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	410 U	390 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	410 U	390 U	NA	NA	NA	NA
2-METHYLPHENOL	410 U	390 U	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	410 U	390 U	NA	NA	NA	NA
4-METHYLPHENOL	410 U	390 U	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	410 U	390 U	NA	NA	NA	NA
HEXACHLOROETHANE	410 U	390 U	NA	NA	NA	NA
NITROBENZENE	410 U	390 U	NA	NA	NA	NA
ISOPHORONE	410 U	390 U	NA	NA	NA	NA
2-NITROPHENOL	410 U	390 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	410 U	390 U	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	410 U	390 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	410 U	390 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	410 U	390 U	NA	NA	NA	NA
NAPHTHALENE	410 U	390 U	NA	NA	NA	NA
4-CHLOROANILINE	410 U	390 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	410 U	390 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	410 U	390 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	410 U	390 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	410 U	390 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	410 U	390 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	980 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	410 U	390 U	NA	NA	NA	NA
2-NITROANILINE	1000 U	980 U	NA	NA	NA	NA
DIMETHYLPHTHALATE	410 U	390 U	NA	NA	NA	NA
ACENAPHTHYLENE	410 U	390 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	410 U	390 U	NA	NA	NA	NA
3-NITROANILINE	1000 U	980 U	NA	NA	NA	NA
ACENAPHTHENE	410 U	390 U	NA	NA	NA	NA
2,4-DINITROPHENOL	1000 U	980 U	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-OA-SB01C-00	36-OA-SB01D-00	36-OA-SB01E-00	36-OA-SB01F-00	36-OA-SB01G-00	36-OA-SB01H-00
DATE SAMPLED	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95	10/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1000 U	980 U	NA	NA	NA	NA
DIBENZOFURAN	410 U	390 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	410 U	390 U	NA	NA	NA	NA
DIETHYLPHTHALATE	410 U	390 U	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	410 U	390 U	NA	NA	NA	NA
FLUORENE	410 U	390 U	NA	NA	NA	NA
4-NITROANILINE	1000 U	980 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	980 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	410 U	390 U	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	410 U	390 U	NA	NA	NA	NA
HEXACHLOROBENZENE	410 U	390 U	NA	NA	NA	NA
PENTACHLOROPHENOL	1000 U	980 U	NA	NA	NA	NA
PHENANTHRENE	410 U	390 U	NA	NA	NA	NA
ANTHRACENE	410 U	390 U	NA	NA	NA	NA
CARBAZOLE	410 U	390 U	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	410 U	390 U	NA	NA	NA	NA
FLUORANTHENE	410 U	390 U	NA	NA	NA	NA
PYRENE	410 U	390 U	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	410 U	390 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	410 U	390 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	410 U	390 U	NA	NA	NA	NA
CHRYSENE	410 U	390 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	410 U	390 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	410 U	390 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	410 U	390 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	410 U	390 U	NA	NA	NA	NA
BENZO(A)PYRENE	410 U	390 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	410 U	390 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	410 U	390 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	410 U	390 U	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-OA-SB01C-00	36-OA-SB01D-00	36-OA-SB01E-00	36-OA-SB01F-00	36-OA-SB01G-00	36-OA-SB01H-00
DATE SAMPLED	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95	10/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2 U	2 U	2 UJ	2.2 U	2 U	2 UJ
BETA-BHC	2 U	2 U	2 UJ	2.2 U	2 U	2 UJ
DELTA-BHC	2 U	2 U	2 UJ	2.2 UJ	2 UJ	2 UJ
GAMMA-BHC (LINDANE)	2 U	2 U	2 UJ	2.2 U	2 U	2 UJ
HEPTACHLOR	2 U	2 U	2 UJ	2.2 U	2 U	2 UJ
ALDRIN	2 U	2 U	7.1 J	2.2 U	2 U	5.5 J
HEPTACHLOR EPOXIDE	2.4 J	2 J	6.7 J	2.2 U	2 U	6.3 J
ENDOSULFAN I	2 U	2 U	36 J	8.3 J	2 U	31 J
DIELDRIN	3.6 J	3.9 U	36 J	5.2 J	4 U	30 J
4,4'-DDE	300	29 J	59 J	42 J	40 UJ	65 J
ENDRIN	4 U	3.9 U	4 UJ	4.4 U	4 U	4 UJ
ENDOSULFAN II	4 U	3.9 U	4 UJ	4.4 U	4 U	4 UJ
4,4'-DDD	21 J	6.7 J	14 J	13 J	4 U	12 J
ENDOSULFAN SULFATE	4 U	3.9 U	4 UJ	4.4 U	4 U	4 UJ
4,4'-DDT	170	20	25 J	16 J	19 J	20 J
METHOXYCHLOR	20 U	20 U	20 UJ	22 UJ	20 UJ	20 UJ
ENDRIN KETONE	4 U	3.9 U	4 UJ	4.4 U	4 U	4 UJ
ENDRIN ALDEHYDE	4 U	3.9 U	4 UJ	4.4 U	4 U	4 UJ
ALPHA-CHLORDANE	2 U	2 U	29 J	7 J	12 J	34 J
GAMMA-CHLORDANE	2 U	2 U	2 UJ	2.2 U	6.7 J	2 UJ
TOXAPHENE	200 U	200 U	200 UJ	220 U	200 U	200 UJ
AROCLOR-1016	40 U	39 U	40 UJ	44 U	40 U	40 UJ
AROCLOR-1221	81 U	79 U	79 UJ	87 U	79 U	79 UJ
AROCLOR-1232	40 U	39 U	40 UJ	44 U	40 U	40 UJ
AROCLOR-1242	40 U	39 U	40 UJ	44 U	40 U	40 UJ
AROCLOR-1248	440	350	2400	350 J	68 J	1500
AROCLOR-1254	40 U	39 U	40 UJ	44 U	40 U	40 UJ
AROCLOR-1260	40 U	39 U	40 UJ	44 U	40 U	40 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01I-00	36-OA-SB02-00	36-OA-SB03-00	36-OA-SB04-00	36-OA-SB05-00	36-OA-SB06-00
DATE SAMPLED	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95	02/27/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	NA	14 U	12 U	12 U	12 U	12 U
BROMOMETHANE	NA	14 U	12 U	12 U	12 U	12 U
VINYL CHLORIDE	NA	14 U	12 U	12 U	12 U	12 U
CHLOROETHANE	NA	14 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	NA	14 U	12 U	12 U	12 U	12 U
ACETONE	NA	14 U	12 U	12 U	12 U	12 U
CARBON DISULFIDE	NA	14 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	NA	14 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	NA	14 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	NA	14 U	12 U	12 U	12 U	12 U
CHLOROFORM	NA	14 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	NA	14 U	12 U	12 U	12 U	12 U
2-BUTANONE	NA	14 U	12 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	NA	14 U	12 U	12 UJ	12 U	12 UJ
CARBON TETRACHLORIDE	NA	14 U	12 U	12 UJ	12 U	12 UJ
BROMODICHLOROMETHANE	NA	14 U	12 U	12 UJ	12 U	12 UJ
1,2-DICHLOROPROPANE	NA	14 U	12 U	12 UJ	12 U	12 UJ
CIS-1,3-DICHLOROPROPENE	NA	14 U	12 U	12 UJ	12 U	12 UJ
TRICHLOROETHENE	NA	14 U	12 U	12 UJ	12 U	12 UJ
DIBROMOCHLOROMETHANE	NA	14 U	12 U	12 UJ	12 U	12 UJ
1,1,2-TRICHLOROETHANE	NA	14 U	12 U	12 UJ	12 U	12 UJ
BENZENE	NA	14 U	12 U	12 UJ	12 U	12 UJ
TRANS-1,3-DICHLOROPROPENE	NA	14 U	12 U	12 UJ	12 U	12 UJ
BROMOFORM	NA	14 U	12 U	12 UJ	12 U	12 UJ
4-METHYL-2-PENTANONE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
2-HEXANONE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
TETRACHLOROETHENE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
1,1,2,2-TETRACHLOROETHANE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
TOLUENE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
CHLOROBENZENE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
ETHYLBENZENE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
STYRENE	NA	14 U	12 U	12 UJ	12 UJ	12 UJ
XYLENE (TOTAL)	NA	14 U	12 U	12 UJ	12 UJ	12 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01I-00	36-OA-SB02-00	36-OA-SB03-00	36-OA-SB04-00	36-OA-SB05-00	36-OA-SB06-00
DATE SAMPLED	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95	02/27/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	NA	460 U	380 U	410 U	470 U	410 U
BIS(2-CHLOROETHYL)ETHER	NA	460 U	380 U	410 U	470 U	410 U
2-CHLOROPHENOL	NA	460 U	380 U	410 U	470 U	410 U
1,3-DICHLOROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
1,4-DICHLOROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
1,2-DICHLOROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
2-METHYLPHENOL	NA	460 U	380 U	410 U	470 U	410 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	460 U	380 U	410 U	470 U	410 U
4-METHYLPHENOL	NA	460 U	380 U	410 U	470 U	410 U
N-NITROSO-DI-N-PROPYLAMINE	NA	460 U	380 U	410 U	470 U	410 U
HEXACHLOROETHANE	NA	460 U	380 U	410 U	470 U	410 U
NITROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
ISOPHORONE	NA	460 U	380 U	410 U	470 U	410 U
2-NITROPHENOL	NA	460 U	380 U	410 U	470 U	410 U
2,4-DIMETHYLPHENOL	NA	460 U	380 U	410 U	470 U	410 U
BIS(2-CHLOROETHOXY)METHANE	NA	460 U	380 U	410 U	470 U	410 U
2,4-DICHLOROPHENOL	NA	460 U	380 U	410 U	470 U	410 U
1,2,4-TRICHLOROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
NAPHTHALENE	NA	460 U	380 U	410 U	470 U	410 U
4-CHLOROANILINE	NA	460 U	380 U	410 U	470 UJ	410 UJ
HEXACHLOROBUTADIENE	NA	460 U	380 U	410 U	470 U	410 U
4-CHLORO-3-METHYLPHENOL	NA	460 U	380 U	410 U	470 U	410 U
2-METHYLNAPHTHALENE	NA	460 U	380 U	410 U	470 U	410 U
HEXACHLOROCYCLOPENTADIENE	NA	460 UJ	380 UJ	410 U	470 U	410 U
2,4,6-TRICHLOROPHENOL	NA	460 U	380 U	410 U	470 U	410 U
2,4,5-TRICHLOROPHENOL	NA	1100 U	940 U	1000 U	1200 U	1000 U
2-CHLORONAPHTHALENE	NA	460 U	380 U	410 U	470 U	410 U
2-NITROANILINE	NA	1100 U	940 U	1000 U	1200 U	1000 U
DIMETHYLPHTHALATE	NA	460 U	380 U	410 U	470 U	410 U
ACENAPHTHYLENE	NA	460 U	380 U	410 U	470 U	410 U
2,6-DINITROTOLUENE	NA	460 U	380 U	410 U	470 U	410 U
3-NITROANILINE	NA	1100 U	940 U	1000 U	1200 U	1000 U
ACENAPHTHENE	NA	460 U	380 U	410 U	470 U	410 U
2,4-DINITROPHENOL	NA	1100 U	940 U	1000 U	1200 U	1000 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01I-00	36-OA-SB02-00	36-OA-SB03-00	36-OA-SB04-00	36-OA-SB05-00	36-OA-SB06-00
DATE SAMPLED	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95	02/27/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	NA	1100 U	940 U	1000 U	1200 U	1000 U
DIBENZOFURAN	NA	460 U	380 U	410 U	470 U	410 U
2,4-DINITROTOLUENE	NA	460 U	380 U	410 U	470 U	410 U
DIETHYLPHTHALATE	NA	460 U	380 U	410 U	470 U	410 U
4-CHLOROPHENYL-PHENYLETHER	NA	460 U	380 U	410 U	470 U	410 U
FLUORENE	NA	460 U	380 U	410 U	470 U	410 U
4-NITROANILINE	NA	1100 U	940 U	1000 U	1200 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	NA	1100 UJ	940 UJ	1000 U	1200 U	1000 U
N-NITROSODIPHENYLAMINE (1)	NA	460 U	380 U	410 U	470 U	410 U
4-BROMOPHENYL-PHENYLETHER	NA	460 U	380 U	410 U	470 U	410 U
HEXACHLOROBENZENE	NA	460 U	380 U	410 U	470 U	410 U
PENTACHLOROPHENOL	NA	1100 U	940 U	1000 U	1200 U	1000 U
PHENANTHRENE	NA	460 U	380 U	410 U	470 U	410 U
ANTHRACENE	NA	460 U	380 U	410 U	470 U	410 U
CARBAZOLE	NA	460 U	380 U	410 U	470 U	410 U
DI-N-BUTYLPHTHALATE	NA	3200 U	1900 U	410 U	470 U	410 U
FLUORANTHENE	NA	460 U	380 U	410 U	470 U	410 U
PYRENE	NA	460 U	380 U	53 J	470 UJ	410 UJ
BUTYLBENZYLPHTHALATE	NA	110 J	290 J	51 J	470 UJ	410 UJ
3,3'-DICHLOROBENZIDINE	NA	460 U	380 U	410 UJ	470 UJ	410 UJ
BENZO(A)ANTHRACENE	NA	460 U	380 U	410 UJ	470 UJ	410 UJ
CHRYSENE	NA	460 U	380 U	410 UJ	470 UJ	410 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	NA	460 U	380 U	630 J	670 J	410 UJ
DI-N-OCTYL PHTHALATE	NA	460 UJ	380 UJ	410 U	470 U	410 U
BENZO(B)FLUORANTHENE	NA	460 U	380 U	410 U	470 U	410 U
BENZO(K)FLUORANTHENE	NA	460 U	380 U	410 U	470 U	410 U
BENZO(A)PYRENE	NA	460 U	380 U	410 U	470 U	410 U
INDENO(1,2,3-CD)PYRENE	NA	460 U	380 U	46 J	470 U	410 U
DIBENZO(A,H)ANTHRACENE	NA	460 U	380 U	410 U	470 U	410 U
BENZO(G,H,I)PERYLENE	NA	460 U	380 U	410 U	470 U	410 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01I-00	36-OA-SB02-00	36-OA-SB03-00	36-OA-SB04-00	36-OA-SB05-00	36-OA-SB06-00
DATE SAMPLED	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95	02/27/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	22 U	2.3 U	1.9 U	2.1 UJ	2.4 UJ	2.1 UJ
BETA-BHC	22 U	2.3 U	1.9 U	2.1 U	2.4 UJ	2.1 UJ
DELTA-BHC	22 UJ	2.3 U	1.9 U	2.1 U	2.4 UJ	2.1 UJ
GAMMA-BHC (LINDANE)	22 U	2.3 U	1.9 U	2.1 U	2.4 UJ	2.1 UJ
HEPTACHLOR	22 U	2.3 U	1.9 UJ	2.1 U	2.4 UJ	2.1 UJ
ALDRIN	22 U	2.3 U	1.9 U	2.1 U	2.4 UJ	2.1 UJ
HEPTACHLOR EPOXIDE	67 J	2.3 U	1.9 U	2.1 U	24 J	2.1 UJ
ENDOSULFAN I	430 U	2.3 U	1.9 U	2.1 U	2.4 UJ	2.1 UJ
DIELDRIN	430 U	27	3.8 U	4.1 U	160 J	4.1 J
4,4'-DDE	420 J	170 J	3.8 U	95 J	1000	18 J
ENDRIN	43 U	4.6 U	3.8 U	4.1 U	4.8 UJ	4.1 UJ
ENDOSULFAN II	43 U	4.6 U	3.8 U	4.1 U	4.8 UJ	4.1 UJ
4,4'-DDD	99	4.6 U	3.8 U	9.4 J	230 J	4.1 UJ
ENDOSULFAN SULFATE	43 U	4.6 U	3.8 U	2.5 J	4.8 UJ	4.1 UJ
4,4'-DDT	340 J	84 J	3.8 U	49 J	420	17 J
METHOXYCHLOR	220 U	23 UJ	19 UJ	21 U	24 UJ	21 UJ
ENDRIN KETONE	43 U	4.6 U	3.8 U	4.1 U	4.8 UJ	4.1 UJ
ENDRIN ALDEHYDE	43 U	4.6 U	3.8 U	4.1 U	4.8 UJ	4.1 UJ
ALPHA-CHLORDANE	430 U	2.3 U	1.9 U	2.1 U	980	2.1 UJ
GAMMA-CHLORDANE	22 U	2.3 U	1.9 U	2.1 U	840	2.1 UJ
TOXAPHENE	2200 U	230 U	190 U	210 U	240 UJ	210 UJ
AROCLOR-1016	430 U	46 U	38 U	41 U	48 UJ	41 UJ
AROCLOR-1221	870 U	92 U	75 U	82 U	96 UJ	83 UJ
AROCLOR-1232	430 U	46 U	38 U	41 U	48 UJ	41 UJ
AROCLOR-1242	430 U	46 U	38 U	41 U	48 UJ	41 UJ
AROCLOR-1248	24000	46 U	38 U	41 U	48 UJ	41 UJ
AROCLOR-1254	430 U	46 U	38 U	41 U	48 UJ	41 UJ
AROCLOR-1260	430 U	46 U	38 U	41 U	48 UJ	41 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB07-00	36-OA-SB08-00	36-OF-SB01-00	36-OF-SB02-00	36-OF-SB03-00	36-OF-SB04-00
DATE SAMPLED	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	13 U	12 U	12 U	12 U	12 U	12 U
BROMOMETHANE	13 U	12 U	12 U	12 U	12 U	12 U
VINYL CHLORIDE	13 U	12 U	12 U	12 U	12 U	12 U
CHLOROETHANE	13 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	13 U	12 U	12 U	12 U	12 U	12 U
ACETONE	13 U	24 J	12 U	12 U	12 U	12 U
CARBON DISULFIDE	13 U	12 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	13 U	12 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	13 U	12 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	13 U	12 U	12 U	12 U	12 U	12 U
CHLOROFORM	13 U	12 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	13 U	12 U	12 U	12 U	12 U	12 U
2-BUTANONE	13 U	12 U	12 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	13 U	12 UJ	12 U	12 U	12 U	12 U
CARBON TETRACHLORIDE	13 U	12 UJ	12 U	12 U	12 U	12 U
BROMODICHLOROMETHANE	13 U	12 UJ	12 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE	13 U	12 UJ	12 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	13 U	12 UJ	12 U	12 U	12 U	12 U
TRICHLOROETHENE	13 U	12 UJ	12 UJ	12 U	12 U	12 U
DIBROMOCHLOROMETHANE	13 U	12 UJ	12 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	13 U	12 UJ	12 U	12 U	12 U	12 U
BENZENE	13 U	12 UJ	12 U	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	13 U	12 UJ	12 U	12 U	12 U	12 U
BROMOFORM	13 U	12 UJ	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	13 U	12 UJ	12 U	12 U	12 U	12 U
2-HEXANONE	13 U	12 UJ	12 U	12 U	12 U	12 U
TETRACHLOROETHENE	13 U	12 UJ	12 U	12 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	13 U	12 UJ	12 U	12 U	12 U	12 U
TOLUENE	13 U	12 UJ	98	12 U	8 J	12 U
CHLOROBENZENE	13 U	12 UJ	12 U	12 U	12 U	12 U
ETHYLBENZENE	13 U	12 UJ	12 U	12 U	12 U	12 U
STYRENE	13 U	12 UJ	12 U	12 U	12 U	12 U
XYLENE (TOTAL)	13 U	12 UJ	12 U	12 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB07-00	36-OA-SB08-00	36-OF-SB01-00	36-OF-SB02-00	36-OF-SB03-00	36-OF-SB04-00
DATE SAMPLED	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	420 U	410 U	370 U	400 U	380 U	390 U
BIS(2-CHLOROETHYL)ETHER	420 U	410 U	370 U	400 U	380 U	390 U
2-CHLOROPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
1,3-DICHLOROBENZENE	420 U	410 U	370 U	400 U	380 U	390 U
1,4-DICHLOROBENZENE	420 U	410 U	370 U	400 U	380 U	390 U
1,2-DICHLOROBENZENE	420 U	410 U	370 U	400 U	380 U	390 U
2-METHYLPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	410 U	370 U	400 U	380 U	390 U
4-METHYLPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	420 U	410 U	370 U	400 U	380 U	390 U
HEXACHLOROETHANE	420 U	410 U	370 U	400 U	380 U	390 U
NITROBENZENE	420 U	410 U	370 U	400 U	380 U	390 U
ISOPHORONE	420 U	410 U	370 U	400 U	380 U	390 U
2-NITROPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
2,4-DIMETHYLPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
BIS(2-CHLOROETHOXY)METHANE	420 U	410 U	370 U	400 U	380 U	390 U
2,4-DICHLOROPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
1,2,4-TRICHLOROBENZENE	420 U	410 U	370 U	400 U	380 U	390 U
NAPHTHALENE	420 U	410 U	370 U	400 U	380 U	120 J
4-CHLOROANILINE	420 U	410 U	370 U	400 U	380 U	390 U
HEXACHLOROBUTADIENE	420 U	410 U	370 U	400 U	380 U	390 U
4-CHLORO-3-METHYLPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
2-METHYLNAPHTHALENE	420 U	410 U	370 U	400 U	380 U	54 J
HEXACHLOROCYCLOPENTADIENE	420 U	410 U	370 U	400 U	380 U	390 U
2,4,6-TRICHLOROPHENOL	420 U	410 U	370 U	400 U	380 U	390 U
2,4,5-TRICHLOROPHENOL	1000 U	1000 U	940 U	1000 U	950 U	960 U
2-CHLORONAPHTHALENE	420 U	410 U	370 U	400 U	380 U	390 U
2-NITROANILINE	1000 U	1000 U	940 U	1000 U	950 U	960 U
DIMETHYLPHTHALATE	420 U	410 U	370 U	400 U	380 U	390 U
ACENAPHTHYLENE	420 U	410 U	370 U	400 U	380 U	390 U
2,6-DINITROTOLUENE	420 U	410 U	370 U	400 U	380 U	390 U
3-NITROANILINE	1000 U	1000 U	940 U	1000 U	950 U	960 U
ACENAPHTHENE	420 U	410 U	370 U	400 U	380 U	330 J
2,4-DINITROPHENOL	1000 U	1000 UJ	940 U	1000 U	950 UJ	960 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB07-00	36-OA-SB08-00	36-OF-SB01-00	36-OF-SB02-00	36-OF-SB03-00	36-OF-SB04-00
DATE SAMPLED	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1000 U	1000 U	940 U	1000 U	950 U	960 U
DIBENZOFURAN	420 U	410 U	370 U	400 U	380 U	150 J
2,4-DINITROTOLUENE	420 U	410 U	370 U	400 U	380 U	390 U
DIETHYLPHTHALATE	420 U	410 U	370 U	400 U	380 U	390 U
4-CHLOROPHENYL-PHENYLETHER	420 U	410 U	370 U	400 U	380 U	390 U
FLUORENE	420 U	410 U	370 U	400 U	380 U	200 J
4-NITROANILINE	1000 U	1000 U	940 U	1000 U	950 U	960 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	1000 UJ	940 U	1000 UJ	950 UJ	960 U
N-NITROSODIPHENYLAMINE (1)	420 U	410 U	370 U	400 U	380 U	390 U
4-BROMOPHENYL-PHENYLETHER	420 U	410 U	370 U	400 U	380 U	390 U
HEXACHLOROBENZENE	420 U	410 U	370 U	400 U	380 UJ	390 U
PENTACHLOROPHENOL	1000 U	1000 U	940 U	1000 U	950 UJ	960 U
PHENANTHRENE	420 U	410 U	370 U	400 U	380 UJ	2500
ANTHRACENE	420 U	410 U	370 U	400 U	380 UJ	780
CARBAZOLE	420 U	410 U	370 U	400 U	380 UJ	240 J
DI-N-BUTYLPHTHALATE	420 U	410 U	370 U	1300 U	2200 U	390 U
FLUORANTHENE	420 U	410 U	370 U	400 U	380 UJ	5500
PYRENE	420 UJ	410 U	370 U	400 U	380 UJ	11000 J
BUTYLBENZYLPHTHALATE	420 UJ	410 U	370 U	400 U	380 UJ	390 UJ
3,3'-DICHLOROBENZIDINE	420 UJ	410 U	370 U	400 U	380 UJ	390 UJ
BENZO(A)ANTHRACENE	420 UJ	410 U	370 U	400 U	380 UJ	3900 J
CHRYSENE	420 UJ	410 U	370 U	400 U	380 UJ	4600 J
BIS(2-ETHYLHEXYL)PHTHALATE	55 J	410 U	380	190 J	380 UJ	480 J
DI-N-OCTYL PHTHALATE	420 U	410 U	370 U	400 U	380 UJ	390 U
BENZO(B)FLUORANTHENE	420 U	410 U	370 U	400 U	380 UJ	3600
BENZO(K)FLUORANTHENE	420 U	410 U	370 U	400 U	380 UJ	1500
BENZO(A)PYRENE	420 U	410 U	370 U	400 U	380 UJ	3300
INDENO(1,2,3-CD)PYRENE	420 U	410 U	370 U	400 U	380 UJ	2700
DIBENZO(A,H)ANTHRACENE	420 U	410 U	370 U	400 U	380 UJ	720
BENZO(G,H,I)PERYLENE	420 U	410 U	370 U	400 U	380 UJ	2400

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB07-00	36-OA-SB08-00	36-OF-SB01-00	36-OF-SB02-00	36-OF-SB03-00	36-OF-SB04-00
DATE SAMPLED	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2.1 UJ	2.1 UJ	1.9 UJ	2 UJ	1.9 UJ	1.9 UJ
BETA-BHC	2.1 U	2.1 UJ	1.9 U	2 UJ	1.9 UJ	1.9 UJ
DELTA-BHC	2.1 U	2.1 UJ	1.9 UJ	2 UJ	1.9 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	2.1 U	2.1 UJ	1.9 UJ	2 UJ	1.9 UJ	1.9 UJ
HEPTACHLOR	2.1 U	2.1 UJ	1.9 U	2 UJ	1.9 UJ	1.9 UJ
ALDRIN	2.1 U	2.1 UJ	1.9 U	2 UJ	1400	1.9 UJ
HEPTACHLOR EPOXIDE	2.1 U	2.1 UJ	1.9 U	2 UJ	1.9 UJ	7.7 J
ENDOSULFAN I	2.1 U	2.1 UJ	1.9 U	2 UJ	1.9 UJ	1.9 UJ
DIELDRIN	4.2 U	4.1 UJ	3.8 U	4 UJ	16000	47 J
4,4'-DDE	210	650 J	12 J	41 J	11 J	1000
ENDRIN	4.2 U	9.9 J	3.8 U	4 UJ	3.9 UJ	3.9 UJ
ENDOSULFAN II	4.2 U	4.1 UJ	3.8 U	4 UJ	3.9 UJ	3.9 UJ
4,4'-DDD	37	76 J	7.5 J	13 J	16 J	160
ENDOSULFAN SULFATE	4.2 U	4.1 UJ	3.8 U	4 UJ	3.9 UJ	3.9 UJ
4,4'-DDT	120	370	9 J	4 UJ	2.3 J	170
METHOXYCHLOR	21 U	21 UJ	19 U	20 UJ	19 UJ	19 UJ
ENDRIN KETONE	4.2 U	4.1 UJ	3.8 U	4 UJ	15 J	3.9 UJ
ENDRIN ALDEHYDE	4.2 U	4.1 UJ	3.8 U	12 J	3.9 UJ	3.9 UJ
ALPHA-CHLORDANE	2.5	14 J	1.9 U	2 UJ	2.3 J	1.9 UJ
GAMMA-CHLORDANE	2.1 U	16 J	1.9 U	2 UJ	1.9 UJ	1.9 UJ
TOXAPHENE	210 U	210 UJ	190 U	200 UJ	190 UJ	190 UJ
AROCLOR-1016	42 U	41 UJ	38 U	40 UJ	39 UJ	39 UJ
AROCLOR-1221	83 U	82 UJ	75 U	80 UJ	77 UJ	77 UJ
AROCLOR-1232	42 U	41 UJ	38 U	40 UJ	39 UJ	39 UJ
AROCLOR-1242	42 U	41 UJ	38 U	40 UJ	39 UJ	39 UJ
AROCLOR-1248	42 U	41 UJ	38 U	40 UJ	39 UJ	39 UJ
AROCLOR-1254	42 U	41 UJ	38 U	210 J	39 UJ	39 UJ
AROCLOR-1260	42 U	41 UJ	38 U	40 UJ	39 UJ	39 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB05-00	36-OF-SB06-00	36-OF-SB06A-00	36-OF-SB06B-00	36-OF-SB06C-00	36-OF-SB06D-00
DATE SAMPLED	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	11 U	13 U	15 U	18 U	13 U	16 U
BROMOMETHANE	11 U	13 U	15 U	18 U	13 U	16 U
VINYL CHLORIDE	11 U	13 U	15 U	18 U	13 U	16 U
CHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 U
METHYLENE CHLORIDE	11 U	13 U	15 U	18 U	13 U	16 U
ACETONE	11 U	13 U	15 U	18 U	13 U	16 U
CARBON DISULFIDE	11 U	13 U	15 U	18 U	13 U	16 U
1,1-DICHLOROETHENE	11 U	13 U	15 U	18 U	13 U	16 U
1,1-DICHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 U
1,2-DICHLOROETHENE (TOTAL)	11 U	13 U	15 U	18 U	13 U	16 U
CHLOROFORM	11 U	13 U	15 U	18 U	13 U	16 U
1,2-DICHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 U
2-BUTANONE	11 U	13 U	15 U	18 U	13 U	16 U
1,1,1-TRICHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 U
CARBON TETRACHLORIDE	11 U	13 U	15 U	18 U	13 U	16 U
BROMODICHLOROMETHANE	11 U	13 U	15 U	18 U	13 U	16 U
1,2-DICHLOROPROPANE	11 U	13 U	15 U	18 U	13 U	16 U
CIS-1,3-DICHLOROPROPENE	11 U	13 U	15 U	18 U	13 U	16 U
TRICHLOROETHENE	11 U	13 UJ	15 U	18 U	13 U	16 U
DIBROMOCHLOROMETHANE	11 U	13 U	15 U	18 U	13 U	16 U
1,1,2-TRICHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 U
BENZENE	11 U	13 U	15 U	18 U	13 U	16 U
TRANS-1,3-DICHLOROPROPENE	11 U	13 U	15 U	18 U	13 U	16 U
BROMOFORM	11 U	13 U	15 U	18 U	13 U	16 U
4-METHYL-2-PENTANONE	11 U	13 U	15 U	18 U	13 U	16 UJ
2-HEXANONE	11 U	13 U	15 U	18 U	13 U	16 UJ
TETRACHLOROETHENE	11 U	13 U	15 U	18 U	13 U	16 UJ
1,1,2,2-TETRACHLOROETHANE	11 U	13 U	15 U	18 U	13 U	16 UJ
TOLUENE	11	50	15 U	18 U	13 U	16 UJ
CHLOROBENZENE	11 U	13 U	15 U	18 U	13 U	16 UJ
ETHYLBENZENE	11 U	13 U	15 U	18 U	13 U	16 UJ
STYRENE	11 U	13 U	15 U	18 U	13 U	16 UJ
XYLENE (TOTAL)	11 U	13 U	15 U	7 J	13 U	16 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB05-00	36-OF-SB06-00	36-OF-SB06A-00	36-OF-SB06B-00	36-OF-SB06C-00	36-OF-SB06D-00
DATE SAMPLED	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	370 U	430 U	500 U	580 U	420 U	540 U
BIS(2-CHLOROETHYL)ETHER	370 U	430 U	500 U	580 U	420 U	540 U
2-CHLOROPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
1,3-DICHLOROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
1,4-DICHLOROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
1,2-DICHLOROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
2-METHYLPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	430 U	500 U	580 UJ	420 UJ	540 UJ
4-METHYLPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
N-NITROSO-DI-N-PROPYLAMINE	370 U	430 U	500 U	580 U	420 U	540 U
HEXACHLOROETHANE	370 U	430 U	500 U	580 U	420 U	540 U
NITROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
ISOPHORONE	370 U	430 U	500 U	580 U	420 U	540 U
2-NITROPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
2,4-DIMETHYLPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
BIS(2-CHLOROETHOXY)METHANE	370 U	430 U	500 U	580 U	420 U	540 U
2,4-DICHLOROPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
1,2,4-TRICHLOROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
NAPHTHALENE	370 U	430 U	500 U	580 U	420 U	540 U
4-CHLOROANILINE	370 U	430 U	500 U	580 U	420 U	540 U
HEXACHLOROBUTADIENE	370 U	430 U	500 U	580 U	420 U	540 U
4-CHLORO-3-METHYLPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
2-METHYLNAPHTHALENE	370 U	430 U	500 U	580 U	420 U	540 U
HEXACHLOROCYCLOPENTADIENE	370 U	430 U	500 UJ	580 U	420 U	540 U
2,4,6-TRICHLOROPHENOL	370 U	430 U	500 U	580 U	420 U	540 U
2,4,5-TRICHLOROPHENOL	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
2-CHLORONAPHTHALENE	370 U	430 U	500 U	580 U	420 U	540 U
2-NITROANILINE	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
DIMETHYLPHTHALATE	370 U	430 U	500 U	580 U	420 U	540 U
ACENAPHTHYLENE	370 U	430 U	500 U	580 U	420 U	540 U
2,6-DINITROTOLUENE	370 U	430 U	500 U	580 U	420 U	540 U
3-NITROANILINE	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
ACENAPHTHENE	370 U	430 U	500 U	580 U	420 U	540 U
2,4-DINITROPHENOL	940 U	1100 U	1200 U	1500 U	1100 U	1400 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB05-00	36-OF-SB06-00	36-OF-SB06A-00	36-OF-SB06B-00	36-OF-SB06C-00	36-OF-SB06D-00
DATE SAMPLED	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
DIBENZOFURAN	370 U	430 U	500 U	580 U	420 U	540 U
2,4-DINITROTOLUENE	370 U	430 U	500 U	580 U	420 U	540 U
DIETHYLPHTHALATE	370 U	430 U	500 U	580 U	420 U	540 U
4-CHLOROPHENYL-PHENYLETHER	370 U	430 U	500 U	580 U	420 U	540 U
FLUORENE	370 U	430 U	500 U	580 U	420 U	540 U
4-NITROANILINE	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
4,6-DINITRO-2-METHYLPHENOL	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
N-NITROSODIPHENYLAMINE (1)	370 U	430 U	500 U	580 U	420 U	540 U
4-BROMOPHENYL-PHENYLETHER	370 U	430 U	500 U	580 U	420 U	540 U
HEXACHLOROBENZENE	370 U	430 U	500 U	580 U	420 U	540 U
PENTACHLOROPHENOL	940 U	1100 U	1200 U	1500 U	1100 U	1400 U
PHENANTHRENE	370 U	430 U	500 U	580 U	420 U	540 U
ANTHRACENE	370 U	430 U	500 U	580 U	420 U	540 U
CARBAZOLE	370 U	430 U	500 U	580 U	420 U	540 U
DI-N-BUTYLPHTHALATE	1400 U	430 U	500 U	2800 U	1600 U	1900 U
FLUORANTHENE	370 U	430 U	500 U	580 U	420 U	540 U
PYRENE	370 U	430 U	500 U	580 U	420 U	90 J
BUTYLBENZYLPHTHALATE	370 U	430 U	500 U	580 U	420 U	540 U
3,3'-DICHLOROBENZIDINE	370 U	430 U	500 U	580 U	420 U	540 U
BENZO(A)ANTHRACENE	370 U	430 U	500 U	580 U	420 U	540 U
CHRYSENE	370 U	430 U	500 U	580 U	420 U	540 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	410 J	500 U	580 U	420 U	540 U
DI-N-OCTYL PHTHALATE	370 U	430 U	500 U	580 U	420 U	540 U
BENZO(B)FLUORANTHENE	370 U	430 U	500 U	580 U	420 U	540 U
BENZO(K)FLUORANTHENE	370 U	430 U	500 U	580 U	420 U	540 U
BENZO(A)PYRENE	370 U	430 U	500 U	580 U	420 U	540 U
INDENO(1,2,3-CD)PYRENE	370 U	430 U	500 U	580 U	420 U	540 U
DIBENZO(A,H)ANTHRACENE	370 U	430 U	500 U	580 U	420 U	540 U
BENZO(G,H,I)PERYLENE	370 U	430 U	500 U	580 U	420 U	540 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB05-00	36-OF-SB06-00	36-OF-SB06A-00	36-OF-SB06B-00	36-OF-SB06C-00	36-OF-SB06D-00
DATE SAMPLED	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	1.8 UJ	2.1 UJ	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
BETA-BHC	1.8 UJ	2.1 U	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
DELTA-BHC	1.8 UJ	2.1 UJ	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
GAMMA-BHC (LINDANE)	1.8 UJ	2.1 UJ	2.5 UJ	2.9 UJ	2.1 UJ	4
HEPTACHLOR	1.8 UJ	2.1 U	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
ALDRIN	1.8 UJ	2.1 U	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
HEPTACHLOR EPOXIDE	1.8 UJ	2.1 U	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
ENDOSULFAN I	1.8 UJ	2.1 U	2.5 UJ	2.9 UJ	2.1 UJ	2.7 UJ
DIELDRIN	11 J	6.3	5 UJ	5.8 UJ	11 J	5.4 UJ
4,4'-DDE	180 J	100 J	23 J	14 J	110	11 J
ENDRIN	3.7 UJ	4.2 U	5 UJ	5.8 UJ	4.1 UJ	5.4 UJ
ENDOSULFAN II	3.7 UJ	4.2 U	5 UJ	5.8 UJ	4.1 UJ	5.4 UJ
4,4'-DDD	50 J	85 J	11 J	5.2 J	240	3.2 J
ENDOSULFAN SULFATE	3.7 UJ	4.2 J	5 UJ	5.8 UJ	4.1 UJ	5.4 UJ
4,4'-DDT	35 J	26 J	30 J	23 J	120	7.6 J
METHOXYCHLOR	18 UJ	21 U	25 UJ	29 UJ	21 UJ	27 UJ
ENDRIN KETONE	3.7 UJ	4.2 U	5 UJ	5.8 UJ	4.1 UJ	5.4 UJ
ENDRIN ALDEHYDE	3.7 UJ	4.2 U	5 UJ	5.8 UJ	4.1 UJ	5.4 UJ
ALPHA-CHLORDANE	1.8 UJ	7.2	2.5 UJ	2.9 UJ	3.3 J	2.7 UJ
GAMMA-CHLORDANE	2.6 J	7.6	2.5 UJ	2.9 UJ	1.7 J	2.7 UJ
TOXAPHENE	180 UJ	210 U	250 UJ	290 UJ	210 UJ	270 UJ
AROCLOR-1016	37 UJ	42 U	50 UJ	58 UJ	41 UJ	54 UJ
AROCLOR-1221	74 UJ	84 U	100 UJ	120 UJ	83 UJ	110 UJ
AROCLOR-1232	37 UJ	42 U	50 UJ	58 UJ	41 UJ	54 UJ
AROCLOR-1242	37 UJ	42 U	50 UJ	58 UJ	41 UJ	54 UJ
AROCLOR-1248	37 UJ	42 U	50 UJ	58 UJ	41 UJ	54 UJ
AROCLOR-1254	37 UJ	92	50 UJ	58 UJ	41 UJ	54 UJ
AROCLOR-1260	37 UJ	42 U	50 UJ	58 UJ	41 UJ	54 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04A*	36-OF-SB04B*	36-OF-SB04C*	36-OF-SB04D*	36-OA-SB01L*	36-OA-SB01M*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHENE (TOTAL)	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
XYLENE (TOTAL)	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04A*	36-OF-SB04B*	36-OF-SB04C*	36-OF-SB04D*	36-OA-SB01L*	36-OA-SB01M*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	420 U	1800 U	390 U	380 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	420 U	1800 U	390 U	380 U	NA	NA
2-CHLOROPHENOL	420 U	1800 U	390 U	380 U	NA	NA
1,3-DICHLOROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
1,4-DICHLOROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
1,2-DICHLOROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
2-METHYLPHENOL	420 U	1800 U	390 U	380 U	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	1800 U	390 U	380 U	NA	NA
4-METHYLPHENOL	420 U	1800 U	390 U	380 U	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	420 U	1800 U	390 U	380 U	NA	NA
HEXACHLOROETHANE	420 U	1800 U	390 U	380 U	NA	NA
NITROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
ISOPHORONE	420 U	1800 U	390 U	380 U	NA	NA
2-NITROPHENOL	420 U	1800 U	390 U	380 U	NA	NA
2,4-DIMETHYLPHENOL	420 U	1800 U	390 U	380 U	NA	NA
BIS(2-CHLOROETHOXY)METHANE	420 U	1800 U	390 U	380 U	NA	NA
2,4-DICHLOROPHENOL	420 U	1800 U	390 U	380 U	NA	NA
1,2,4-TRICHLOROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
NAPHTHALENE	420 U	820 J	390 U	380 U	NA	NA
4-CHLOROANILINE	420 U	1800 U	390 U	380 U	NA	NA
HEXACHLOROBUTADIENE	420 U	1800 U	390 U	380 U	NA	NA
4-CHLORO-3-METHYLPHENOL	420 U	1800 U	390 U	380 U	NA	NA
2-METHYLNAPHTHALENE	420 U	1000 J	390 U	380 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	420 U	1800 U	390 U	380 U	NA	NA
2,4,6-TRICHLOROPHENOL	420 U	1800 U	390 U	380 U	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	4600 U	970 U	960 U	NA	NA
2-CHLORONAPHTHALENE	420 U	1800 U	390 U	380 U	NA	NA
2-NITROANILINE	1000 U	4600 U	970 U	960 U	NA	NA
DIMETHYLPHTHALATE	420 U	1800 U	390 U	380 U	NA	NA
ACENAPHTHYLENE	420 U	1800 U	390 U	380 U	NA	NA
2,6-DINITROTOLUENE	420 U	1800 U	390 U	380 U	NA	NA
3-NITROANILINE	1000 U	4600 U	970 U	960 U	NA	NA
ACENAPHTHENE	150 J	4200	390 U	380 U	NA	NA
2,4-DINITROPHENOL	1000 U	4600 U	970 U	960 U	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04A*	36-OF-SB04B*	36-OF-SB04C*	36-OF-SB04D*	36-OA-SB01L*	36-OA-SB01M*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1000 U	4600 U	970 U	960 U	NA	NA
DIBENZOFURAN	100 J	2400	390 U	380 U	NA	NA
2,4-DINITROTOLUENE	420 U	1800 U	390 U	380 U	NA	NA
DIETHYLPHTHALATE	420 U	1800 U	390 U	160 J	NA	NA
4-CHLOROPHENYL-PHENYLETHER	420 U	1800 U	390 U	380 U	NA	NA
FLUORENE	100 J	2200	390 U	380 U	NA	NA
4-NITROANILINE	1000 U	4600 U	970 U	960 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	4600 U	970 U	960 U	NA	NA
N-NITROSODIPHENYLAMINE (1)	420 U	1800 U	390 U	380 U	NA	NA
4-BROMOPHENYL-PHENYLETHER	420 U	1800 U	390 U	380 U	NA	NA
HEXACHLOROBENZENE	420 U	1800 U	390 U	380 U	NA	NA
PENTACHLOROPHENOL	1000 U	4600 U	970 U	960 U	NA	NA
PHENANTHRENE	2800	29000	390 U	76 J	NA	NA
ANTHRACENE	740	8400	390 U	380 U	NA	NA
CARBAZOLE	420 U	2600	390 U	380 U	NA	NA
DI-N-BUTYLPHTHALATE	420 U	1800 U	390 U	380 U	NA	NA
FLUORANTHENE	3400	52000	61 J	160 J	NA	NA
PYRENE	3800	58000	63 J	170 J	NA	NA
BUTYLBENZYLPHTHALATE	99 J	1800 U	390 U	380 U	NA	NA
3,3'-DICHLOROBENZIDINE	420 U	1800 U	390 U	380 U	NA	NA
BENZO(A)ANTHRACENE	2100	39000	39 J	120 J	NA	NA
CHRYSENE	1900	44000	62 J	160 J	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	690	1800 U	150 J	380 U	NA	NA
DI-N-OCTYL PHTHALATE	420 U	1800 U	390 U	380 U	NA	NA
BENZO(B)FLUORANTHENE	3000	64000	84 J	180 J	NA	NA
BENZO(K)FLUORANTHENE	990	12000	390 U	80 J	NA	NA
BENZO(A)PYRENE	1900	43000	50 J	110 J	NA	NA
INDENO(1,2,3-CD)PYRENE	1300	35000	390 U	71 J	NA	NA
DIBENZO(A,H)ANTHRACENE	360 J	5700	390 U	380 U	NA	NA
BENZO(G,H,I)PERYLENE	980	31000	390 U	70 J	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04A*	36-OF-SB04B*	36-OF-SB04C*	36-OF-SB04D*	36-OA-SB01L*	36-OA-SB01M*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	NA	NA	NA	NA	1.8 U	1.8 U
BETA-BHC	NA	NA	NA	NA	1.8 U	1.8 U
DELTA-BHC	NA	NA	NA	NA	1.8 U	1.8 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	1.8 U	1.8 U
HEPTACHLOR	NA	NA	NA	NA	1.8 U	1.8 U
ALDRIN	NA	NA	NA	NA	1.8 U	1.8 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	49	180
ENDOSULFAN I	NA	NA	NA	NA	1.8 U	1.8 U
DIELDRIN	NA	NA	NA	NA	3.6 U	3.7 U
4,4'-DDE	NA	NA	NA	NA	250	200
ENDRIN	NA	NA	NA	NA	3.6 U	3.7 U
ENDOSULFAN II	NA	NA	NA	NA	3.6 U	3.7 U
4,4'-DDD	NA	NA	NA	NA	21	50
ENDOSULFAN SULFATE	NA	NA	NA	NA	3.6 U	3.7 U
4,4'-DDT	NA	NA	NA	NA	73	110
METHOXYCHLOR	NA	NA	NA	NA	18 U	18 U
ENDRIN KETONE	NA	NA	NA	NA	3.6 U	3.7 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	3.6 U	3.7 U
ALPHA-CHLORDANE	NA	NA	NA	NA	1.8 U	1.8 U
GAMMA-CHLORDANE	NA	NA	NA	NA	1.8 U	1.8 U
TOXAPHENE	NA	NA	NA	NA	180 U	180 U
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01J*	36-OA-SB01K*	36-OF-SB03A*	36-OF-SB03B*	36-OF-SB03C*	36-OF-SB03D*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHENE (TOTAL)	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
XYLENE (TOTAL)	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01J*	36-OA-SB01K*	36-OF-SB03A*	36-OF-SB03B*	36-OF-SB03C*	36-OF-SB03D*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
DIMETHYLPHTHALATE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB; CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01J*	36-OA-SB01K*	36-OF-SB03A*	36-OF-SB03B*	36-OF-SB03C*	36-OF-SB03D*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
DIETHYLPHTHALATE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01J*	36-OA-SB01K*	36-OF-SB03A*	36-OF-SB03B*	36-OF-SB03C*	36-OF-SB03D*
DATE SAMPLED	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	NA	NA	1.8 U	2 U	2 U	1.9 U
BETA-BHC	NA	NA	1.8 U	2 U	2 U	1.9 U
DELTA-BHC	NA	NA	1.8 U	2 U	2 U	1.9 U
GAMMA-BHC (LINDANE)	NA	NA	1.8 U	2 U	2 U	1.9 U
HEPTACHLOR	NA	NA	1.8 U	2 U	2 U	1.9 U
ALDRIN	NA	NA	1.8 U	2 U	2 U	1.9 U
HEPTACHLOR EPOXIDE	NA	NA	1.8	2 U	2	1.9
ENDOSULFAN I	NA	NA	1.8 U	2 U	2 U	1.9 U
DIELDRIN	NA	NA	3.6 U	4 U	4 U	3.9 U
4,4'-DDE	NA	NA	27	26	36	80
ENDRIN	NA	NA	3.6 U	4 U	4 U	3.9 U
ENDOSULFAN II	NA	NA	3.6 U	4 U	4 U	3.9 U
4,4'-DDD	NA	NA	14	26	28	120
ENDOSULFAN SULFATE	NA	NA	3.6 U	4 U	4 U	3.9 U
4,4'-DDT	NA	NA	12	15	6.8	15
METHOXYCHLOR	NA	NA	18 U	20 U	20 U	19 U
ENDRIN KETONE	NA	NA	3.6 U	4 U	4 U	3.9 U
ENDRIN ALDEHYDE	NA	NA	3.6 U	4 U	4 U	3.9 U
ALPHA-CHLORDANE	NA	NA	1.8 U	4	5.6	5.8
GAMMA-CHLORDANE	NA	NA	1.8 U	2.4	4.4	5.1
TOXAPHENE	NA	NA	180 U	200 U	200 U	190 U
AROCLOR-1016	180 U	380 U	NA	NA	NA	NA
AROCLOR-1221	370 U	770 U	NA	NA	NA	NA
AROCLOR-1232	180 U	380 U	NA	NA	NA	NA
AROCLOR-1242	180 U	380 U	NA	NA	NA	NA
AROCLOR-1248	4100	20000	NA	NA	NA	NA
AROCLOR-1254	180 U	380 U	NA	NA	NA	NA
AROCLOR-1260	180 U	380 U	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	AVERAGE OF POSITIVE DETECTIONS	MEDIAN OF POSITIVE DETECTIONS
VOLATILES								
CHLOROMETHANE	10 U	130 U	ND	ND		0/61	NA	NA
BROMOMETHANE	10 U	130 U	ND	ND		0/61	NA	NA
VINYL CHLORIDE	10 U	130 U	ND	ND		0/61	NA	NA
CHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
METHYLENE CHLORIDE	10 U	130 U	ND	ND		0/61	NA	NA
ACETONE	10 U	130 U	24 J	28	36-FDA-SB03-00	2/61	26.00	26.00
CARBON DISULFIDE	10 U	130 U	ND	ND		0/61	NA	NA
1,1-DICHLOROETHENE	10 U	130 U	ND	ND		0/61	NA	NA
1,1-DICHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
1,2-DICHLOROETHENE (TOTAL)	10 U	130 U	ND	ND		0/61	NA	NA
CHLOROFORM	10 U	130 U	ND	ND		0/61	NA	NA
1,2-DICHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
2-BUTANONE	10 U	130 U	ND	ND		0/61	NA	NA
1,1,1-TRICHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
CARBON TETRACHLORIDE	10 U	130 U	ND	ND		0/61	NA	NA
BROMODICHLOROMETHANE	10 U	130 U	ND	ND		0/61	NA	NA
1,2-DICHLOROPROPANE	10 U	130 U	ND	ND		0/61	NA	NA
CIS-1,3-DICHLOROPROPENE	10 U	130 U	ND	ND		0/61	NA	NA
TRICHLOROETHENE	10 U	130 U	4 J	4 J	36-FDA-SB03-00	1/61	4.00	4.00
DIBROMOCHLOROMETHANE	10 U	130 U	ND	ND		0/61	NA	NA
1,1,2-TRICHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
BENZENE	10 U	130 U	ND	ND		0/61	NA	NA
TRANS-1,3-DICHLOROPROPENE	10 U	130 U	ND	ND		0/61	NA	NA
BROMOFORM	10 U	130 U	ND	ND		0/61	NA	NA
4-METHYL-2-PENTANONE	10 U	130 U	ND	ND		0/61	NA	NA
2-HEXANONE	10 U	130 U	ND	ND		0/61	NA	NA
TETRACHLOROETHENE	11 U	130 U	2 J	3 J	36-GW12-00	3/61	2.33	2.00
1,1,2,2-TETRACHLOROETHANE	10 U	130 U	ND	ND		0/61	NA	NA
TOLUENE	10 U	130 U	8 J	98	36-OF-SB01-00	4/61	41.75	30.50
CHLOROBENZENE	10 U	130 U	ND	ND		0/61	NA	NA
ETHYLBENZENE	10 U	130 U	ND	ND		0/61	NA	NA
STYRENE	10 U	130 U	39 J	39 J	36-GS-SB03-00	1/61	39.00	39.00
XYLENE (TOTAL)	10 U	130 U	7 J	7 J	36-OF-SB06B-00	1/61	7.00	7.00

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	AVERAGE OF POSITIVE DETECTIONS	MEDIAN OF POSITIVE DETECTIONS
SEMIVOLATILES								
PHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
BIS(2-CHLOROETHYL)ETHER	350 U	1800 U	ND	ND		0/61	NA	NA
2-CHLOROPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
1,3-DICHLOROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
1,4-DICHLOROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
1,2-DICHLOROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
2-METHYLPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	1800 U	ND	ND		0/61	NA	NA
4-METHYLPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	350 U	1800 U	320 J	320 J	36-DAB-SB03-00	1/61	320.00	320.00
HEXACHLOROETHANE	350 U	1800 U	ND	ND		0/61	NA	NA
NITROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
ISOPHORONE	350 U	1800 U	ND	ND		0/61	NA	NA
2-NITROPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
2,4-DIMETHYLPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
BIS(2-CHLOROETHOXY)METHANE	350 U	1800 U	ND	ND		0/61	NA	NA
2,4-DICHLOROPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
1,2,4-TRICHLOROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
NAPHTHALENE	350 U	580 U	48 J	820 J	36-OF-SB04B*	3/61	329.33	120.00
4-CHLOROANILINE	350 U	1800 U	ND	ND		0/61	NA	NA
HEXACHLOROBUTADIENE	350 U	1800 U	ND	ND		0/61	NA	NA
4-CHLORO-3-METHYLPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
2-METHYLNAPHTHALENE	350 U	580 U	54 J	1000 J	36-OF-SB04B*	3/61	378.67	82.00
HEXACHLOROCYCLOPENTADIENE	350 U	1800 U	ND	ND		0/61	NA	NA
2,4,6-TRICHLOROPHENOL	350 U	1800 U	ND	ND		0/61	NA	NA
2,4,5-TRICHLOROPHENOL	880 U	4600 U	ND	ND		0/61	NA	NA
2-CHLORONAPHTHALENE	350 U	1800 U	ND	ND		0/61	NA	NA
2-NITROANILINE	880 U	4600 U	ND	ND		0/61	NA	NA
DIMETHYLPHTHALATE	350 U	1800 U	ND	ND		0/61	NA	NA
ACENAPHTHYLENE	350 U	1800 U	ND	ND		0/61	NA	NA
2,6-DINITROTOLUENE	350 U	1800 U	ND	ND		0/61	NA	NA
3-NITROANILINE	880 U	4600 U	ND	ND		0/61	NA	NA
ACENAPHTHENE	350 U	580 U	150 J	4200	36-OF-SB04B*	3/61	1560.00	330.00
2,4-DINITROPHENOL	880 U	4600 U	ND	ND		0/61	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	AVERAGE OF POSITIVE DETECTIONS	MEDIAN OF POSITIVE DETECTIONS
SEMIVOLATILES cont								
4-NITROPHENOL	880 U	4600 U	ND	ND		0/61	NA	NA
DIBENZOFURAN	350 U	580 U	100 J	2400	36-OF-SB04B*	3/61	883.33	150.00
2,4-DINITROTOLUENE	350 U	1800 U	ND	ND		0/61	NA	NA
DIETHYLPHTHALATE	350 U	1800 U	160 J	160 J	36-OF-SB04D*	1/61	160.00	160.00
4-CHLOROPHENYL-PHENYLETHER	350 U	1800 U	ND	ND		0/61	NA	NA
FLUORENE	350 U	580 U	100 J	2200	36-OF-SB04B*	3/61	833.33	200.00
4-NITROANILINE	880 U	4600 U	ND	ND		0/57	NA	NA
4,6-DINITRO-2-METHYLPHENOL	880 U	4600 U	ND	ND		0/61	NA	NA
N-NITROSODIPHENYLAMINE (1)	350 U	1800 U	ND	ND		0/61	NA	NA
4-BROMOPHENYL-PHENYLETHER	350 U	1800 U	ND	ND		0/61	NA	NA
HEXACHLOROBENZENE	350 U	1800 U	ND	ND		0/61	NA	NA
PENTACHLOROPHENOL	880 U	4600 U	ND	ND		0/61	NA	NA
PHENANTHRENE	350 U	580 U	59 J	29000	36-OF-SB04B*	7/61	4946.14	120.00
ANTHRACENE	350 U	580 U	740	8400	36-OF-SB04B*	3/61	3306.67	780.00
CARBAZOLE	350 U	580 U	240 J	2600	36-OF-SB04B*	2/61	1420.00	1420.00
DI-N-BUTYLPHTHALATE	110 B	3200 U	ND	ND		0/61	NA	NA
FLUORANTHENE	350 U	580 U	54 J	52000	36-OF-SB04B*	9/61	6833.67	140.00
PYRENE	350 U	580 U	41 J	58000	36-OF-SB04B*	12/61	6143.08	125.00
BUTYLBENZYLPHTHALATE	350 U	1800 U	51 J	290 J	36-OA-SB03-00	4/61	137.50	104.50
3,3'-DICHLOROBENZIDINE	350 U	1800 U	ND	ND		0/61	NA	NA
BENZO(A)ANTHRACENE	350 U	580 U	39 J	39000	36-OF-SB04B*	6/61	7534.17	1110.00
CHRYSENE	350 U	580 U	51 J	44000	36-OF-SB04B*	9/61	5666.33	91.00
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	1800 U	46 J	690	36-OF-SB04A*	18/61	290.06	195.00
DI-N-OCTYL PHTHALATE	350 U	1800 U	ND	ND		0/61	NA	NA
BENZO(B)FLUORANTHENE	350 U	580 U	51 J	64000	36-OF-SB04B*	7/61	10142.29	180.00
BENZO(K)FLUORANTHENE	350 U	580 U	39 J	12000	36-OF-SB04B*	5/61	2921.80	990.00
BENZO(A)PYRENE	350 U	580 U	40 J	43000	36-OF-SB04B*	6/61	8066.67	1005.00
INDENO(1,2,3-CD)PYRENE	350 U	580 U	46 J	35000	36-OF-SB04B*	6/61	6529.17	685.50
DIBENZO(A,H)ANTHRACENE	350 U	580 U	360 J	5700	36-OF-SB04B*	3/61	2260.00	720.00
BENZO(G,H,I)PERYLENE	350 U	580 U	70 J	31000	36-OF-SB04B*	4/61	8612.50	1690.00

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION	AVERAGE OF POSITIVE DETECTIONS	MEDIAN OF POSITIVE DETECTIONS
PESTICIDES/PCBs								
ALPHA-BHC	1.8 UJ	100 U	ND	ND		0/63	NA	NA
BETA-BHC	1.8 U	100 U	ND	ND		0/63	NA	NA
DELTA-BHC	1.8 U	100 U	ND	ND		0/63	NA	NA
GAMMA-BHC (LINDANE)	1.8 U	100 U	4	4	36-OF-SB06D-00	1/63	4.00	4.00
HEPTACHLOR	1.8 U	100 U	1.9	1.9	36-FCA-SB12-00	1/63	1.90	1.90
ALDRIN	1.8 U	100 U	5.5 J	1400	36-OF-SB03-00	3/63	470.87	7.10
HEPTACHLOR EPOXIDE	1.8 U	100 U	1.8	180	36-OA-SB01M*	15/63	24.51	6.30
ENDOSULFAN I	1.8 U	430 U	8.3 J	36 J	36-OA-SB01E-00	3/63	25.10	31.00
DIELDRIN	3.6 U	430 U	2 J	16000	36-OF-SB03-00	21/63	786.55	11.00
4,4'-DDE	3.7 UJ	40 UJ	2.2 J	2600	36-OA-SB01A-00	55/63	183.86	42.00
ENDRIN	3.6 U	200 U	9.9 J	9.9 J	36-OA-SB08-00	1/63	9.90	9.90
ENDOSULFAN II	3.6 U	200 U	ND	ND		0/63	NA	NA
4,4'-DDD	3.7 U	5.2 UJ	2.8 J	550 J	36-OA-SB01A-00	43/63	51.83	15.00
ENDOSULFAN SULFATE	3.6 U	200 U	2.5 J	4.2 J	36-OF-SB06-00	2/63	3.35	3.35
4,4'-DDT	3.8 U	5.2 UJ	1.8 J	12000	36-OA-SB01A-00	54/63	334.36	18.50
METHOXYCHLOR	18 U	1000 U	ND	ND		0/63	NA	NA
ENDRIN KETONE	3.6 U	200 U	15 J	15 J	36-OF-SB03-00	1/63	15.00	15.00
ENDRIN ALDEHYDE	3.6 U	200 U	12 J	12 J	36-OF-SB02-00	1/63	12.00	12.00
ALPHA-CHLORDANE	1.8 U	430 U	1.2 J	980	36-OA-SB05-00	18/63	65.50	6.40
GAMMA-CHLORDANE	1.8 U	100 U	1.2 J	840	36-OA-SB05-00	13/63	72.23	5.10
TOXAPHENE	180 U	10000 U	ND	ND		0/63	NA	NA
AROCLOR-1016	37 U	2000 U	ND	ND		0/59	NA	NA
AROCLOR-1221	73 UJ	4000 U	ND	ND		0/59	NA	NA
AROCLOR-1232	37 U	2000 U	ND	ND		0/59	NA	NA
AROCLOR-1242	37 U	2000 U	ND	ND		0/59	NA	NA
AROCLOR-1248	37 U	2000 U	68 J	24000	36-OA-SB01I-00	11/59	5038.00	1400.00
AROCLOR-1254	37 U	2000 U	92	530 J	36-OA-SB01-00	3/59	277.33	210.00
AROCLOR-1260	37 U	2000 U	ND	ND		0/59	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-DAB-SB01-00	36-DAB-SB02-00	36-DAB-SB03-00	36-DAD-SB01-00	36-DAD-SB02-00	36-DAD-SB03-00
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	2200	5890	3770	5510	3670	3460
ANTIMONY, TOTAL	2.2 UJ	2.4 UJ	4.8 UJ	3.3 J	2.6 UJ	8.4 J
ARSENIC, TOTAL	1.5	0.56	2.3	1.9	1.6	1.9
BARIUM, TOTAL	25.8	21.8	47.3	30.6	42.3	55.1
BERYLLIUM, TOTAL	0.06 U	0.07 U	0.21 U	0.08 U	0.07 U	0.23 U
CADMIUM, TOTAL	0.6 U	0.64 U	1.3 U	2.3	0.69 U	2.8 U
CALCIUM, TOTAL	519	1340	1390	3610	2630	2640
CHROMIUM, TOTAL	5.1 J	7 J	7.7	15 J	7.5 J	10.7
COBALT, TOTAL	0.47 U	0.5 U	1.4	3.1	1	1.6
COPPER, TOTAL	30.3	15.2	99.1	15	38.3	57.8
IRON, TOTAL	7190 J	4190 J	5810	84600 J	5020 J	13100
LEAD, TOTAL	71.3 J	33.4 J	91.9 J	111 J	86.3 J	222 J
MAGNESIUM, TOTAL	121	225	191	1020	299	440
MANGANESE, TOTAL	91.1	32	102	227	77.8	190
MERCURY, TOTAL	1.4 J	0.5 J	1.2	0.16 J	1.7 J	1.7
NICKEL, TOTAL	2.4	2	4.8	10.5	5.6	6.6
POTASSIUM, TOTAL	120	183	206	239	220	191
SELENIUM, TOTAL	0.28 U	0.29 U	0.38 U	0.49 U	0.29 U	0.43 U
SILVER, TOTAL	0.51 U	0.55 U	0.7 U	0.7 U	0.61	0.77 U
SODIUM, TOTAL	27.4	83.3	77.4	358	43.3	55
THALLIUM, TOTAL	0.13 U	0.14 U	0.18 U	0.23 U	0.14 U	0.2 U
VANADIUM, TOTAL	5.9	8.7	9.1	43.9	13.8	18.2
ZINC, TOTAL	155	65.8	224	1090	227	303

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FCA-SB01-00	36-FCA-SB02-00	36-FCA-SB03-00	36-FCA-SB04-00	36-FCA-SB05-00	36-FCA-SB06-00
DATE SAMPLED	02/27/95	02/22/95	02/23/95	02/25/95	02/27/95	02/23/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	5450	6760	7520	2760	12900	13800
ANTIMONY, TOTAL	2.8 R	6.2 UJ	5 UJ	4.8 UJ	2.5 R	2.5 UJ
ARSENIC, TOTAL	0.85 UJ	0.61	0.84	0.45 U	7.7 J	1.3
BARIUM, TOTAL	25	16.4	18.1	5.6	23.2	20
BERYLLIUM, TOTAL	0.08 U	0.27 U	0.22 U	0.21 U	0.16 U	0.07 U
CADMIUM, TOTAL	0.75 U	0.83 U	0.67 U	0.65 U	0.68 U	0.68 U
CALCIUM, TOTAL	8630	2240	595	405	1900	340
CHROMIUM, TOTAL	8.8	10	9.6	4.1	23.1	20.1 J
COBALT, TOTAL	1.1 U	1.1 U	0.72 U	0.7 U	1.1 U	0.54 U
COPPER, TOTAL	3.7 U	1.5 J	1 U	0.44 U	3.2 U	1.4
IRON, TOTAL	3370	7100	5930	2240	16100	14300 J
LEAD, TOTAL	21.7	13.5	14.2	8.6	15.8	12.7
MAGNESIUM, TOTAL	372	320	301	126	637	534
MANGANESE, TOTAL	29.1	5.4	6.6	4.9	13.9	8.1
MERCURY, TOTAL	0.11 U	0.16 U	0.1 U	0.09 U	0.14 U	0.12 UJ
NICKEL, TOTAL	1.9	3.2 U	2.6 U	2.5 U	1.4	1.2
POTASSIUM, TOTAL	270	233	165 U	160 U	676	554
SELENIUM, TOTAL	0.41 J	0.44 U	0.32 U	0.36 U	0.38 J	0.47
SILVER, TOTAL	0.65 U	0.89 UJ	0.72 U	0.7 R	0.58 U	0.58 U
SODIUM, TOTAL	32.2	44.4	36.5	20.6 U	25.2	21.5
THALLIUM, TOTAL	0.18 U	0.2 U	0.15 U	0.26 U	0.16 UJ	0.14 U
VANADIUM, TOTAL	11.1	21.8	19.3	7.9	37.3	32.4
ZINC, TOTAL	31.4	9.3 J	6.9	2.1	9.1	5.4

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FCA-SB07-00	36-FCA-SB08-00	36-FCA-SB09-00	36-FCA-SB10-00	36-FCA-SB11-00	36-FCA-SB12-00
DATE SAMPLED	02/22/95	02/27/95	02/22/95	02/22/95	02/23/95	02/22/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	1610	4800	17600	2630	9390	2710
ANTIMONY, TOTAL	4 UJ	1.8 R	5.3 UJ	3.8 UJ	2.4 UJ	3.6 UJ
ARSENIC, TOTAL	0.4	2.7 J	7.3	0.55	0.39 U	0.34 U
BARIUM, TOTAL	5.5 U	9.7	24.1	8.9	12.8	10.3
BERYLLIUM, TOTAL	0.17 U	0.06 U	0.23 U	0.18	0.07 U	0.16 U
CADMIUM, TOTAL	0.54 U	0.48 U	0.72 U	0.51 U	0.65 U	0.49 U
CALCIUM, TOTAL	506	691	106	239	150	313
CHROMIUM, TOTAL	2.3	9.2	27.2	4.1	10.1 J	2.5
COBALT, TOTAL	0.58 U	0.5 U	0.77 U	0.71 U	0.51 U	0.52 U
COPPER, TOTAL	0.47 U	0.94 U	2.3 U	4.1 J	0.9 U	1.2 U
IRON, TOTAL	1210	6470	14500	4070	5400 J	1220
LEAD, TOTAL	4.3	9.8 J	10.3	19.2	10.2	11.5 J
MAGNESIUM, TOTAL	84.1	238	750	77.1	260	78.9
MANGANESE, TOTAL	8.8	4.9	7.9	12.1	4.9	7
MERCURY, TOTAL	0.1 U	0.09 U	0.11 U	0.11 U	0.13 UJ	0.11 U
NICKEL, TOTAL	2.1 U	1	2.8 U	2 U	0.94 U	1.9 U
POTASSIUM, TOTAL	132 U	286	527	126 U	289	120 U
SELENIUM, TOTAL	0.3 U	0.26 UJ	0.4 U	0.33 U	0.31 U	0.27 U
SILVER, TOTAL	0.58 U	0.41 U	0.77 U	0.55 UJ	0.56 U	0.52 U
SODIUM, TOTAL	12.9	17.8	40.8	26.8 U	12	9.6
THALLIUM, TOTAL	0.14 U	0.12 U	0.19 U	0.15 U	0.14 U	0.12 U
VANADIUM, TOTAL	5.6	16.4	36	7.3	16.3	5.5
ZINC, TOTAL	5.5 U	3.2	6.6	7.4 J	2.7	7.1

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FCA-SB13-00	36-FCA-SB14-00	36-FDA-SB01-00	36-FDA-SB02-00	36-FDA-SB03-00	36-FDA-SB04-00
DATE SAMPLED	02/27/95	02/23/95	02/23/95	02/27/95	02/22/95	02/24/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	2300	4400	5920	3000	1470	2670
ANTIMONY, TOTAL	4.5 R	3.5 UJ	4.6 UJ	4.5 UJ	2.7 UJ	4.2 UJ
ARSENIC, TOTAL	1.6	1.5	1.1	0.44 U	0.46	0.34 U
BARIUM, TOTAL	5	10	30.9	12.3	9.3	10
BERYLLIUM, TOTAL	0.19 U	0.15 U	0.2 U	0.19 U	0.15 U	0.18 U
CADMIUM, TOTAL	0.6 U	0.48 U	0.95 U	0.6 U	0.71 U	0.56 U
CALCIUM, TOTAL	212 J	168	2630	654	347	416
CHROMIUM, TOTAL	5 J	6.1	9	3.6	3	2.5
COBALT, TOTAL	0.65 U	0.51 U	0.88	0.65 U	0.69 U	0.6 U
COPPER, TOTAL	0.56	1.1 U	27.1	4.2	5	0.84 U
IRON, TOTAL	3210	3520	5300	1740	1210	1390
LEAD, TOTAL	4.7	16	87.1 J	23.7	14.5	8.3
MAGNESIUM, TOTAL	108	146	232	127	52	93.8
MANGANESE, TOTAL	6 J	4.3	67.3	10.6	9	10
MERCURY, TOTAL	0.12 U	0.13 U	0.29	0.13 U	0.1 U	0.11 U
NICKEL, TOTAL	2.3	1.8 U	3.8	2.3 U	1.4	2.2 U
POTASSIUM, TOTAL	148 U	123	153 U	174	64.1 U	138 U
SELENIUM, TOTAL	0.53	0.36 U	0.36 U	0.35 U	0.33 UJ	0.27 U
SILVER, TOTAL	0.65 U	0.51 U	0.67 U	0.65 R	0.61 U	0.6 U
SODIUM, TOTAL	14.3	22.6	30.3 U	22.8 U	14 U	10.8 U
THALLIUM, TOTAL	0.25 U	0.17 U	0.17 U	0.25 U	0.15 U	0.12 U
VANADIUM, TOTAL	7.9	13.3	15.4	7.2	4.8	4.7 U
ZINC, TOTAL	3.1	4.7 U	103	17.8	15.8	21.1

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FDA-SB05-00	36-FDA-SB06-00	36-GW07-00	36-GW09-00	36-GW10-00	36-GW11-00
DATE SAMPLED	02/27/95	02/25/95	03/07/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	1010	2610	5680	6370	2280	2790
ANTIMONY, TOTAL	2.3 UJ	4.8 J	2.6 UJ	3.1 UJ	2.4 UJ	4.2 UJ
ARSENIC, TOTAL	0.42 U	0.39 U	0.51 J	1.7	0.47	0.56
BARIUM, TOTAL	4.5	10.7	8.8	17.9	5.3	18.2
BERYLLIUM, TOTAL	0.17 U	0.2 U	0.098 U	0.13 U	0.17 U	0.18 U
CADMIUM, TOTAL	0.61 U	0.62 U	0.68 U	0.84 U	0.65 U	0.56 U
CALCIUM, TOTAL	512	20400	134 J	14800 J	66.1 U	2110
CHROMIUM, TOTAL	1.6	3.9	5.2	13.8	2.3	5.1
COBALT, TOTAL	0.49 U	0.66 U	0.57 U	1.1 U	0.51 U	0.6 U
COPPER, TOTAL	1.6	6.7	0.94 U	12.5	0.89 U	9.9
IRON, TOTAL	863	1660	2960 J	3690 J	1330 J	2050
LEAD, TOTAL	14.5	51.9 J	7.8 U	19.2 U	4.7 U	35.3
MAGNESIUM, TOTAL	56	291	218	275	56.6	114
MANGANESE, TOTAL	14.3	24.2	3	45.8	2.1	25.9
MERCURY, TOTAL	0.1 U	0.1 U	0.11 U	0.16 U	0.088 U	0.11
NICKEL, TOTAL	0.89 U	2.4 U	0.98 U	1.2	0.94 U	2.2 U
POTASSIUM, TOTAL	33.7	152 U	174	279	53.4 U	186
SELENIUM, TOTAL	0.33 U	0.31 U	0.31 U	0.45 U	0.28 U	0.41 U
SILVER, TOTAL	0.53 U	0.66 U	0.59 U	0.72 U	0.56 U	0.6 U
SODIUM, TOTAL	6 U	46.6 U	21.6 U	20.2 U	4.3 U	30.1 U
THALLIUM, TOTAL	0.37 U	0.14 U	0.14 U	0.21 U	0.13 U	0.25 U
VANADIUM, TOTAL	2.6 U	5.5	7.8	10.9	4.2	5.5
ZINC, TOTAL	17.2	27.5	2.2	18.8	2.8	45.8

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OA-SB01-00	36-OA-SB01A-00	36-OA-SB01B-00	36-OA-SB01C-00	36-OA-SB01D-00	36-OA-SB02-00
DATE SAMPLED	02/22/95	03/09/95	03/09/95	03/09/95	03/09/95	02/25/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	6950	3840	1560	2830	3910	3560
ANTIMONY, TOTAL	2 UJ	4.7 UJ	4.4 UJ	4.7 UJ	4.4 UJ	4.8 UJ
ARSENIC, TOTAL	2.7	5.1	0.91 J	1.5 J	0.82 J	2.1
BARIUM, TOTAL	19.3	45.2	4.8	12.3	10.8	19.2
BERYLLIUM, TOTAL	0.11 U	0.2 U	0.19 U	0.2 U	0.19 U	0.21 U
CADMIUM, TOTAL	0.87	0.64 U	0.6 U	0.63 U	0.6 U	0.64 U
CALCIUM, TOTAL	35800	979	9070	26500	47400	1700
CHROMIUM, TOTAL	11.3	6.7	4.3	5.4	6.1	4.1
COBALT, TOTAL	0.84 U	0.68 U	0.64 U	0.68 U	0.64 U	0.69 U
COPPER, TOTAL	13.4	5.7	3.2	8.3	5.8	1.8
IRON, TOTAL	4660	4600	1380	2410	2690	4060
LEAD, TOTAL	62.6	28.6	11.7	119	19.5	28.8
MAGNESIUM, TOTAL	675	157	206	502	665	201
MANGANESE, TOTAL	33.7	8.5	7.4	38.6	36.6	68.7
MERCURY, TOTAL	0.09 U	0.09 U	0.09 U	0.09 U	0.1 U	0.13 U
NICKEL, TOTAL	2.8	2.5 U	2.3 U	2.4 U	2.3 U	2.5 U
POTASSIUM, TOTAL	280	156 U	147 U	155 U	146 U	157 U
SELENIUM, TOTAL	0.31 UJ	0.53	0.33 U	0.33 U	0.31 U	0.39
SILVER, TOTAL	0.46 U	0.68 U	0.64 U	0.68 U	0.64 U	0.69 R
SODIUM, TOTAL	120	30.4 U	20	37.8	89.1	19.1 U
THALLIUM, TOTAL	0.15 U	0.24 U	0.31 U	0.31 UJ	0.29 UJ	0.27 U
VANADIUM, TOTAL	13.4	10	3.8	8.8	8.3	11.8
ZINC, TOTAL	51.3	13.7	15	43	25	74

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OA-SB03-00	36-OA-SB04-00	36-OA-SB05-00	36-OA-SB06-00	36-OA-SB07-00	36-OA-SB08-00
DATE SAMPLED	02/25/95	02/24/95	02/28/95	02/27/95	02/24/95	02/27/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	4020	6220	5040	3340	3960	7010
ANTIMONY, TOTAL	3.5 UJ	6.3 J	2.8 R	2.5 R	6.3 J	31.7 J
ARSENIC, TOTAL	0.43 U	2.4	1.2 J	0.76 J	4.1	10.4
BARIUM, TOTAL	9.1	73	43.5	31.9	53.8	141
BERYLLIUM, TOTAL	0.15 U	0.21 U	0.18 U	0.07 U	0.19 U	0.25 U
CADMIUM, TOTAL	0.47 U	1.7 U	1.8	0.68 U	3.1 U	6.3
CALCIUM, TOTAL	502	59700	42000	2890	2240	4150
CHROMIUM, TOTAL	4.9	13.3	14.9	5.6	16.6	51.6
COBALT, TOTAL	0.51 U	1.6	1 U	0.75 U	2.7	9
COPPER, TOTAL	0.73	105	69.2	11.1	124	445
IRON, TOTAL	2870	10900	5100	2260	32200	86200
LEAD, TOTAL	7.1	477 J	116	35.6 J	299 J	836 J
MAGNESIUM, TOTAL	153	687	341	164	278	535
MANGANESE, TOTAL	4.9	89.9	49	31.7	267	940
MERCURY, TOTAL	0.11 U	0.84	2.4	0.29	0.3	1.4
NICKEL, TOTAL	1.8 U	6.5	15.8	1.4	8.3	48.3
POTASSIUM, TOTAL	221	157 U	150	136	271	277
SELENIUM, TOTAL	0.34 U	0.45	0.47 J	0.35 UJ	0.33 U	0.39
SILVER, TOTAL	0.51 R	3.8	3.1	0.58 U	0.62 U	0.7
SODIUM, TOTAL	20.2 U	86.7	37.8	12.2	49.2 U	83.5
THALLIUM, TOTAL	0.25 U	0.15 U	0.18 U	0.16 U	0.16 UJ	1.9 UJ
VANADIUM, TOTAL	7.9	15	14.8	5.3	24.2	46
ZINC, TOTAL	2.3	396	422	52.6	449	1320

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
- MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OF-SB01-00	36-OF-SB02-00	36-OF-SB03-00	36-OF-SB04-00	36-OF-SB05-00	36-OF-SB06-00
DATE SAMPLED	02/21/95	02/21/95	02/21/95	02/22/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	2560	6620	3990	5820	3650	8160
ANTIMONY, TOTAL	2.3 UJ	3.4 UJ	7 J	4.6 UJ	3.2 UJ	2.5 UJ
ARSENIC, TOTAL	0.39	1.2	1.9	1.4	0.5	0.92 J
BARIUM, TOTAL	8.8	43.4	20	69.3	21.9	27.1
BERYLLIUM, TOTAL	0.11 U	0.15 U	0.17 U	0.2 U	0.14 U	0.11 U
CADMIUM, TOTAL	0.61 U	0.67	0.53 U	2.1	0.44 U	1.4
CALCIUM, TOTAL	3150	40300	29300	9350	3120	103000
CHROMIUM, TOTAL	1.9	10.6	5.9	21.5	8.9	11.5
COBALT, TOTAL	0.49 U	1 U	0.85 U	2.9 U	1.1 U	0.92
COPPER, TOTAL	1	52.6 J	29 J	105 J	28.9 J	22.1
IRON, TOTAL	1140	5520	5220	6370	13000	5280
LEAD, TOTAL	4.5	69	41	234	43.3	21.7
MAGNESIUM, TOTAL	70.8	321	228	903	133	587
MANGANESE, TOTAL	9.2	40.6	54.9	188	46.1	35.4
MERCURY, TOTAL	0.09 U	0.38	0.12	0.1 U	0.15	0.23
NICKEL, TOTAL	0.89 U	4.7	2.1 U	10.5	6.5	2.5
POTASSIUM, TOTAL	72.4 U	113 U	185	315	107 U	249
SELENIUM, TOTAL	0.28 UJ	0.32	0.28 U	0.3 U	0.29 U	0.35 UJ
SILVER, TOTAL	0.53 U	3 J	0.72 J	12 J	0.47 UJ	2
SODIUM, TOTAL	20 U	40.6	41.7	144	22.9 U	95
THALLIUM, TOTAL	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.16 U
VANADIUM, TOTAL	2.9	10.1	6	19	5.2	9.4
ZINC, TOTAL	4.7	276 J	108 J	434 J	53.8 J	58.4

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OF-SB06A-00	36-OF-SB06B-00	36-OF-SB06C-00	36-OF-SB06D-00
DATE SAMPLED	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS				
ALUMINUM, TOTAL	4430	7390	4870	4540
ANTIMONY, TOTAL	3.3 UJ	6 UJ	4.9 UJ	6.2 UJ
ARSENIC, TOTAL	1.5	1.6 J	1	0.91
BARIUM, TOTAL	13.7	18.9	26	14.4
BERYLLIUM, TOTAL	0.23 U	0.26 U	0.21 U	0.27 U
CADMIUM, TOTAL	0.87 U	0.81 U	0.86	0.84 U
CALCIUM, TOTAL	10400 J	29800	21800	15600
CHROMIUM, TOTAL	6.1	7.8	7.6	5.2
COBALT, TOTAL	1.1 U	0.87 U	0.88	0.9 U
COPPER, TOTAL	12.6	12.4	19.8	9.8
IRON, TOTAL	3450 J	4920	29700	3010
LEAD, TOTAL	17.9 U	25.1	112	18.1
MAGNESIUM, TOTAL	185	354	251	257
MANGANESE, TOTAL	25.8	47.5	118	43.3
MERCURY, TOTAL	0.13 U	0.16 U	0.2	0.16 U
NICKEL, TOTAL	1.5	3.1 U	3.5	3.2 U
POTASSIUM, TOTAL	184	492	174	319
SELENIUM, TOTAL	0.47	0.62 U	0.33 U	0.53
SILVER, TOTAL	0.75 U	0.87 U	0.71 U	0.9 U
SODIUM, TOTAL	24.3 U	52.7	51.7 U	32.6 U
THALLIUM, TOTAL	0.18 U	0.38 U	0.2 U	0.3 U
VANADIUM, TOTAL	9.1	13	6.7	8.4
ZINC, TOTAL	20.2	27.3	79	21.4

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
ALUMINUM, TOTAL	NA	NA	1010	17600	36-FCA-SB09-00	52/52
ANTIMONY, TOTAL	2 UJ	6.2 UJ	3.3 J	31.7 J	36-OA-SB08-00	7/46
ARSENIC, TOTAL	0.34 U	0.85 UJ	0.39	10.4	36-OA-SB08-00	43/52
BARIUM, TOTAL	5.5 U	5.5 U	4.5	141	36-OA-SB08-00	51/52
BERYLLIUM, TOTAL	0.06 U	0.27 U	0.18	0.18	36-FCA-SB10-00	1/52
CADMIUM, TOTAL	0.44 U	3.1 U	0.67	6.3	36-OA-SB08-00	8/52
CALCIUM, TOTAL	66.1 U	66.1 U	106	103000	36-OF-SB06-00	51/52
CHROMIUM, TOTAL	NA	NA	1.6	51.6	36-OA-SB08-00	52/52
COBALT, TOTAL	0.47 U	2.9 U	0.88	9	36-OA-SB08-00	10/52
COPPER, TOTAL	0.44 U	3.7 U	0.56	445	36-OA-SB08-00	39/52
IRON, TOTAL	NA	NA	863	86200	36-OA-SB08-00	52/52
LEAD, TOTAL	4.7 U	19.2 U	4.3	836 J	36-OA-SB08-00	48/52
MAGNESIUM, TOTAL	NA	NA	52	1020	36-DAD-SB01-00	52/52
MANGANESE, TOTAL	NA	NA	2.1	940	36-OA-SB08-00	52/52
MERCURY, TOTAL	0.088 U	0.16 U	0.11	2.4	36-OA-SB05-00	18/52
NICKEL, TOTAL	0.89 U	3.2 U	1	48.3	36-OA-SB08-00	26/52
POTASSIUM, TOTAL	53.4 U	165 U	33.7	676	36-FCA-SB05-00	32/52
SELENIUM, TOTAL	0.26 UJ	0.62 U	0.32	0.53	36-OF-SB06D-00	12/52
SILVER, TOTAL	0.41 U	0.9 U	0.61	12 J	36-OF-SB04-00	8/48
SODIUM, TOTAL	4.3 U	51.7 U	9.6	358	36-DAD-SB01-00	31/52
THALLIUM, TOTAL	0.12 U	1.9 UJ	ND	ND		0/52
VANADIUM, TOTAL	2.6 U	4.7 U	2.9	46	36-OA-SB08-00	50/52
ZINC, TOTAL	4.7 U	5.5 U	2.1	1320	36-OA-SB08-00	50/52

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-01	36-DAB-SB02-02	36-DAB-SB03-01	36-DAD-SB02-01	36-FCA-SB01-04	36-FCA-SB02-04
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/27/95	02/22/95
DEPTH	1-3'	3-5'	1-3'	1-3'	7-9'	7-9'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	11 U	14 U	12 U	12 U
BROMOMETHANE	12 U	12 U	11 U	14 U	12 U	12 U
VINYL CHLORIDE	12 U	12 U	11 U	14 U	12 U	12 U
CHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
METHYLENE CHLORIDE	12 U	12 U	11 U	14 U	12 U	12 U
ACETONE	100 U	39 U	19 U	14 U	12 U	33 U
CARBON DISULFIDE	12 U	12 U	11 U	14 U	12 U	12 U
1,1-DICHLOROETHENE	12 U	12 U	11 U	14 U	12 U	12 U
1,1-DICHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	11 U	14 U	12 U	12 U
CHLOROFORM	12 U	12 U	11 U	14 U	12 U	12 U
1,2-DICHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
2-BUTANONE	10 J	12 U	11 U	14 U	12 U	12 U
1,1,1-TRICHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
CARBON TETRACHLORIDE	12 U	12 U	11 U	14 U	12 U	12 U
BROMODICHLOROMETHANE	12 U	12 U	11 U	14 U	12 U	12 U
1,2-DICHLOROPROPANE	12 U	12 U	11 U	14 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	12 U	12 U	11 U	14 U	12 U	12 U
TRICHLOROETHENE	12 U	12 U	11 U	14 U	12 U	12 U
DIBROMOCHLOROMETHANE	12 U	12 U	11 U	14 U	12 U	12 U
1,1,2-TRICHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
BENZENE	12 U	12 U	11 U	14 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	11 U	14 U	12 U	12 U
BROMOFORM	12 U	12 U	11 U	14 U	12 U	12 U
4-METHYL-2-PENTANONE	12 U	12 U	11 U	14 U	12 U	12 U
2-HEXANONE	12 U	12 U	11 U	14 U	12 U	12 U
TETRACHLOROETHENE	12 U	12 U	11 U	14 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	12 U	12 U	11 U	14 U	12 U	12 U
TOLUENE	12 U	12 U	11 U	14 U	12 U	12 U
CHLOROBENZENE	12 U	12 U	11 U	14 U	12 U	12 U
ETHYLBENZENE	12 U	12 U	11 U	14 U	12 U	12 U
STYRENE	12 U	12 U	11 U	14 U	12 U	12 U
XYLENE (TOTAL)	12 U	12 U	6 J	14 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-01	36-DAB-SB02-02	36-DAB-SB03-01	36-DAD-SB02-01	36-FCA-SB01-04	36-FCA-SB02-04
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/27/95	02/22/95
DEPTH	1-3'	3-5'	1-3'	1-3'	7-9'	7-9'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	380 R	380 U	380 U	470 U	410 U	400 U
BIS(2-CHLOROETHYL)ETHER	380 R	380 U	380 U	470 U	410 U	400 U
2-CHLOROPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
1,3-DICHLOROBENZENE	380 R	380 U	380 U	470 U	410 U	400 U
1,4-DICHLOROBENZENE	380 R	97 J	380 U	470 U	410 U	400 U
1,2-DICHLOROBENZENE	380 R	380 U	380 U	470 U	410 U	400 U
2-METHYLPHENOL	510 J	380 U	380 U	470 U	410 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 R	380 U	380 U	470 U	410 U	400 U
4-METHYLPHENOL	43 J	380 U	380 U	470 U	410 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	380 R	380 U	380 U	470 U	410 U	400 U
HEXACHLOROETHANE	380 R	380 U	380 U	470 U	410 U	400 U
NITROBENZENE	380 R	380 U	380 U	470 U	410 U	400 U
ISOPHORONE	2100	380 U	380 U	470 U	410 U	400 U
2-NITROPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
2,4-DIMETHYLPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
BIS(2-CHLOROETHOXY)METHANE	380 R	380 U	380 U	470 U	410 U	400 U
2,4-DICHLOROPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
1,2,4-TRICHLOROBENZENE	380 R	380 U	380 U	470 U	410 U	400 U
NAPHTHALENE	380 R	380 U	380 U	470 U	410 U	400 U
4-CHLOROANILINE	380 R	380 U	380 U	470 U	410 UJ	400 U
HEXACHLOROBUTADIENE	380 R	380 U	380 U	470 U	410 U	400 U
4-CHLORO-3-METHYLPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
2-METHYLNAPHTHALENE	380 R	380 U	380 U	470 U	410 U	400 U
HEXACHLOROCYCLOPENTADIENE	380 R	380 U	380 U	470 U	410 U	400 U
2,4,6-TRICHLOROPHENOL	380 R	380 U	380 U	470 U	410 U	400 U
2,4,5-TRICHLOROPHENOL	940 R	940 U	940 U	1200 U	1000 U	1000 U
2-CHLORONAPHTHALENE	380 R	380 U	380 U	470 U	410 U	400 U
2-NITROANILINE	940 R	940 U	940 U	1200 U	1000 U	1000 U
DIMETHYLPHTHALATE	380 R	380 U	380 U	470 U	410 U	400 U
ACENAPHTHYLENE	380 R	380 U	380 U	470 U	410 U	400 U
2,6-DINITROTOLUENE	380 R	380 U	380 U	470 U	410 U	400 U
3-NITROANILINE	940 R	940 UJ	940 U	1200 U	1000 U	1000 U
ACENAPHTHENE	380 R	380 U	380 U	470 U	410 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-01	36-DAB-SB02-02	36-DAB-SB03-01	36-DAD-SB02-01	36-FCA-SB01-04	36-FCA-SB02-04
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/27/95	02/22/95
DEPTH	1-3'	3-5'	1-3'	1-3'	7-9'	7-9'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	940 R	940 UJ	940 U	1200 U	1000 U	1000 U
4-NITROPHENOL	940 R	940 UJ	940 U	1200 U	1000 U	1000 U
DIBENZOFURAN	380 R	380 U	380 U	470 U	410 U	400 U
2,4-DINITROTOLUENE	380 R	380 U	380 U	470 U	410 U	400 U
DIETHYLPHTHALATE	380 R	380 U	380 U	470 U	410 U	400 U
4-CHLOROPHENYL-PHENYLETHER	380 R	380 U	380 U	470 U	410 U	400 U
FLUORENE	380 R	380 U	380 U	470 U	410 U	400 U
4-NITROANILINE	940 R	940 R	940 U	1200 U	1000 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	940 R	940 U	940 U	1200 U	1000 U	1000 U
N-NITROSODIPHENYLAMINE (1)	380 R	380 U	380 U	470 U	410 U	400 U
4-BROMOPHENYL-PHENYLETHER	380 R	380 U	380 U	470 U	410 U	400 U
HEXACHLOROBENZENE	380 R	380 U	380 U	470 U	410 U	400 U
PENTACHLOROPHENOL	940 R	940 U	940 U	1200 U	1000 U	1000 U
PHENANTHRENE	380 R	380 U	380 U	470 U	410 U	400 U
ANTHRACENE	380 R	380 U	380 U	470 U	410 U	400 U
CARBAZOLE	380 R	380 U	380 U	470 U	410 U	400 U
DI-N-BUTYLPHTHALATE	380 U	380 U	380 U	470 U	410 U	400 U
FLUORANTHENE	380 R	380 U	380 U	470 U	410 U	400 U
PYRENE	380 R	380 U	380 U	65 J	410 U	400 U
BUTYLBENZYLPHTHALATE	380 R	380 U	380 U	470 UJ	410 U	400 U
3,3'-DICHLOROBENZIDINE	380 R	380 U	380 U	470 UJ	410 U	400 U
BENZO(A)ANTHRACENE	380 R	380 U	380 U	470 UJ	410 U	400 U
CHRYSENE	380 R	380 U	380 U	470 UJ	410 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	380 U	380 U	54 J	410 U	400 U
DI-N-OCTYL PHTHALATE	380 R	380 UJ	380 U	470 U	410 U	400 U
BENZO(B)FLUORANTHENE	380 R	380 U	380 U	470 U	410 U	400 U
BENZO(K)FLUORANTHENE	380 R	380 U	380 U	470 U	410 U	400 U
BENZO(A)PYRENE	380 R	380 U	380 U	470 U	410 U	400 U
INDENO(1,2,3-CD)PYRENE	380 R	380 U	380 U	470 U	410 U	400 U
DIBENZO(A,H)ANTHRACENE	380 R	380 U	380 U	470 U	410 U	400 U
BENZO(G,H,I)PERYLENE	380 R	380 U	380 U	470 U	410 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAB-SB01-01	36-DAB-SB02-02	36-DAB-SB03-01	36-DAD-SB02-01	36-FCA-SB01-04	36-FCA-SB02-04
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/27/95	02/22/95
DEPTH	1-3'	3-5'	1-3'	1-3'	7-9'	7-9'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	1.9 UJ	1.9 UJ	1.9 UJ	2.4 UJ	2 U	2 UJ
BETA-BHC	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
DELTA-BHC	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
GAMMA-BHC (LINDANE)	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
HEPTACHLOR	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
ALDRIN	3.4 J	13 J	16 J	2.4 U	2 U	2 UJ
HEPTACHLOR EPOXIDE	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
ENDOSULFAN I	1.9 UJ	1.9 UJ	1.9 U	2.4 U	2 U	2 UJ
DIELDRIN	18 J	20 J	8.3	4.7 U	4 U	3.3 J
4,4'-DDE	99	82	67 J	66	4 U	4.1 UJ
ENDRIN	3.8 UJ	3.8 UJ	3.8 U	2.4 J	4 U	4.1 UJ
ENDOSULFAN II	3.8 UJ	3.8 UJ	3.8 U	4.7 U	4 U	4.1 UJ
4,4'-DDD	28 J	130	120 J	230	4 U	4.1 UJ
ENDOSULFAN SULFATE	3.8 UJ	3.8 UJ	3.8 U	4.7 U	4 U	4.1 UJ
4,4'-DDT	28 J	18 J	16	10 J	4 U	4.1 UJ
METHOXYCHLOR	19 UJ	19 UJ	19 U	24 U	20 UJ	20 UJ
ENDRIN KETONE	3.8 UJ	3.8 UJ	3.8 U	4.7 U	4 U	4.1 UJ
ENDRIN ALDEHYDE	3.8 UJ	3.8 UJ	3.8 U	4.7 U	4 U	4.1 UJ
ALPHA-CHLORDANE	1.9 UJ	1.9 UJ	1.9 U	2.4	2 U	2 UJ
GAMMA-CHLORDANE	1.9 UJ	2.3 J	1.9 U	2.4 U	2 U	2 UJ
TOXAPHENE	190 UJ	190 UJ	190 U	240 U	200 U	200 UJ
AROCLOR-1016	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ
AROCLOR-1221	76 UJ	75 UJ	76 U	94 U	80 U	82 UJ
AROCLOR-1232	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ
AROCLOR-1242	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ
AROCLOR-1248	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ
AROCLOR-1254	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ
AROCLOR-1260	38 UJ	38 UJ	38 U	47 U	40 U	41 UJ

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB03-02	36-FCA-SB04-02	36-FCA-SB05-02	36-FCA-SB06-03	36-FCA-SB07-01	36-FCA-SB08-01
DATE SAMPLED	02/23/95	02/25/95	02/27/95	02/23/95	02/22/95	02/27/95
DEPTH	3-5'	3-5'	3-5'	5-7'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	13 U	12 U	12 U	12 U	14 U	12 U
BROMOMETHANE	13 U	12 U	12 U	12 U	14 U	12 U
VINYL CHLORIDE	13 U	12 U	12 U	12 U	14 U	12 U
CHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
METHYLENE CHLORIDE	13 U	12 U	12 U	12 U	14 U	12 U
ACETONE	14 U	12 UJ	12 U	12 U	700 B	52
CARBON DISULFIDE	13 U	12 U	12 U	12 U	14 U	12 U
1,1-DICHLOROETHENE	13 U	12 U	12 U	12 U	14 U	12 U
1,1-DICHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
1,2-DICHLOROETHENE (TOTAL)	13 U	12 U	12 U	12 U	14 U	12 U
CHLOROFORM	13 U	12 U	12 U	12 U	14 U	12 U
1,2-DICHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
2-BUTANONE	13 U	12 U	12 U	12 U	14 U	12 U
1,1,1-TRICHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
CARBON TETRACHLORIDE	13 U	12 U	12 U	12 U	14 U	12 U
BROMODICHLOROMETHANE	13 U	12 U	12 U	12 U	14 U	12 U
1,2-DICHLOROPROPANE	13 U	12 U	12 U	12 U	14 U	12 U
CIS-1,3-DICHLOROPROPENE	13 U	12 U	12 U	12 U	14 U	12 U
TRICHLOROETHENE	13 U	12 U	12 U	12 U	14 U	12 U
DIBROMOCHLOROMETHANE	13 U	12 U	12 U	12 U	14 U	12 U
1,1,2-TRICHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
BENZENE	13 U	12 U	12 U	12 U	14 U	12 U
TRANS-1,3-DICHLOROPROPENE	13 U	12 U	12 U	12 U	14 U	12 U
BROMOFORM	13 U	12 U	12 U	12 U	14 U	12 U
4-METHYL-2-PENTANONE	13 U	12 U	12 U	12 U	14 U	12 U
2-HEXANONE	13 U	12 U	12 U	12 U	14 U	12 U
TETRACHLOROETHENE	13 U	12 U	12 U	12 U	14 U	12 U
1,1,2,2-TETRACHLOROETHANE	13 U	12 U	12 U	12 U	14 U	12 U
TOLUENE	13 U	12 U	12 U	12 U	14 U	12 U
CHLOROBENZENE	13 U	12 U	12 U	12 U	14 U	12 U
ETHYLBENZENE	13 U	12 U	12 U	12 U	14 U	12 U
STYRENE	13 U	12 U	12 U	12 U	14 U	12 U
XYLENE (TOTAL)	13 U	12 U	12 U	12 U	14 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB03-02	36-FCA-SB04-02	36-FCA-SB05-02	36-FCA-SB06-03	36-FCA-SB07-01	36-FCA-SB08-01
DATE SAMPLED	02/23/95	02/25/95	02/27/95	02/23/95	02/22/95	02/27/95
DEPTH	3-5'	3-5'	3-5'	5-7'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	430 U	400 U	410 U	410 U	450 U	400 U
BIS(2-CHLOROETHYL)ETHER	430 U	400 U	410 U	410 U	450 U	400 U
2-CHLOROPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
1,3-DICHLOROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
1,4-DICHLOROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
1,2-DICHLOROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
2-METHYLPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	400 U	410 U	410 U	450 U	400 U
4-METHYLPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	430 U	400 U	410 U	410 U	450 U	400 U
HEXACHLOROETHANE	430 U	400 U	410 U	410 U	450 U	400 U
NITROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
ISOPHORONE	430 U	400 U	410 U	410 U	450 U	400 U
2-NITROPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
2,4-DIMETHYLPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
BIS(2-CHLOROETHOXY)METHANE	430 U	400 U	410 U	410 U	450 U	400 U
2,4-DICHLOROPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
1,2,4-TRICHLOROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
NAPHTHALENE	430 U	400 U	410 U	410 U	450 U	400 U
4-CHLOROANILINE	430 U	400 U	410 UJ	410 U	450 U	400 UJ
HEXACHLOROBUTADIENE	430 U	400 U	410 U	410 U	450 U	400 U
4-CHLORO-3-METHYLPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
2-METHYLNAPHTHALENE	430 U	400 U	410 U	410 U	450 U	400 U
HEXACHLOROCYCLOPENTADIENE	430 U	400 UJ	410 U	410 U	450 U	400 U
2,4,6-TRICHLOROPHENOL	430 U	400 U	410 U	410 U	450 U	400 U
2,4,5-TRICHLOROPHENOL	1100 U	1000 U	1000 U	1000 U	1100 U	990 U
2-CHLORONAPHTHALENE	430 U	400 U	410 U	410 U	450 U	400 U
2-NITROANILINE	1100 U	1000 U	1000 U	1000 U	1100 U	990 U
DIMETHYLPHTHALATE	430 U	400 U	410 U	410 U	450 U	400 U
ACENAPHTHYLENE	430 U	400 U	410 U	410 U	450 U	400 U
2,6-DINITROTOLUENE	430 U	400 U	410 U	410 U	450 U	400 U
3-NITROANILINE	1100 U	1000 U	1000 U	1000 UJ	1100 U	990 U
ACENAPHTHENE	430 U	400 U	410 U	410 U	450 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB03-02	36-FCA-SB04-02	36-FCA-SB05-02	36-FCA-SB06-03	36-FCA-SB07-01	36-FCA-SB08-01
DATE SAMPLED	02/23/95	02/25/95	02/27/95	02/23/95	02/22/95	02/27/95
DEPTH	3-5'	3-5'	3-5'	5-7'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	1100 UJ	1000 U	1000 U	1000 UJ	1100 UJ	990 U
4-NITROPHENOL	1100 U	1000 U	1000 U	1000 UJ	1100 U	990 U
DIBENZOFURAN	430 U	400 U	410 U	410 U	450 U	400 U
2,4-DINITROTOLUENE	430 U	400 U	410 U	410 UJ	450 U	400 U
DIETHYLPHTHALATE	430 U	400 U	410 U	410 U	450 U	400 U
4-CHLOROPHENYL-PHENYLETHER	430 U	400 U	410 U	410 U	450 U	400 U
FLUORENE	430 U	400 U	410 U	410 U	450 U	400 U
4-NITROANILINE	1100 U	1000 U	1000 U	1000 R	1100 U	990 U
4,6-DINITRO-2-METHYLPHENOL	1100 U	1000 UJ	1000 U	1000 U	1100 UJ	990 U
N-NITROSODIPHENYLAMINE (1)	430 U	400 U	410 U	410 U	450 U	400 U
4-BROMOPHENYL-PHENYLETHER	430 U	400 U	410 U	410 U	450 U	400 U
HEXACHLOROBENZENE	430 U	400 U	410 U	410 U	450 U	400 U
PENTACHLOROPHENOL	1100 U	1000 U	1000 U	1000 U	1100 U	990 U
PHENANTHRENE	430 U	400 U	410 U	410 U	450 U	400 U
ANTHRACENE	430 U	400 U	410 U	410 U	450 U	400 U
CARBAZOLE	430 U	400 U	410 U	410 U	450 U	400 U
DI-N-BUTYLPHTHALATE	430 U	2700 U	590 U	410 U	450 U	400 U
FLUORANTHENE	430 U	400 U	410 U	410 U	450 U	400 U
PYRENE	430 U	400 U	410 UJ	410 U	450 U	400 U
BUTYLBENZYLPHTHALATE	430 U	400 U	410 UJ	410 U	450 U	400 U
3,3'-DICHLOROBENZIDINE	430 U	400 U	410 UJ	410 U	450 U	400 U
BENZO(A)ANTHRACENE	430 U	400 U	410 UJ	410 U	450 U	400 U
CHRYSENE	430 U	400 U	410 UJ	410 U	450 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	400 U	410 UJ	410 U	450 U	400 U
DI-N-OCTYL PHTHALATE	430 U	400 UJ	410 U	410 U	450 UJ	400 U
BENZO(B)FLUORANTHENE	430 U	400 U	410 U	410 U	450 U	400 U
BENZO(K)FLUORANTHENE	430 U	400 U	410 U	410 U	450 U	400 U
BENZO(A)PYRENE	430 U	400 U	410 U	410 U	450 U	400 U
INDENO(1,2,3-CD)PYRENE	430 U	400 U	410 U	410 U	450 U	400 U
DIBENZO(A,H)ANTHRACENE	430 U	400 U	410 U	410 U	450 U	400 U
BENZO(G,H,I)PERYLENE	430 U	400 U	410 U	410 U	450 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB03-02	36-FCA-SB04-02	36-FCA-SB05-02	36-FCA-SB06-03	36-FCA-SB07-01	36-FCA-SB08-01
DATE SAMPLED	02/23/95	02/25/95	02/27/95	02/23/95	02/22/95	02/27/95
DEPTH	3-5'	3-5'	3-5'	5-7'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	2.2 UJ	2 U	2 UJ	2 UJ	2.3 UJ	2 U
BETA-BHC	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
DELTA-BHC	2.2 UJ	2 U	2 UJ	2 UJ	2.3 UJ	2 U
GAMMA-BHC (LINDANE)	2.2 UJ	2 U	2 UJ	2 UJ	2.3 UJ	2 U
HEPTACHLOR	2.2 U	2 UJ	2 UJ	2 UJ	2.3 U	2 U
ALDRIN	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
HEPTACHLOR EPOXIDE	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
ENDOSULFAN I	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
DIELDRIN	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
4,4'-DDE	4.3 UJ	3.9 U	4.1 UJ	4.1 UJ	36 J	4 U
ENDRIN	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
ENDOSULFAN II	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
4,4'-DDD	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
ENDOSULFAN SULFATE	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
4,4'-DDT	4.3 U	3.9 U	4.1 UJ	4.1 UJ	14	4 U
METHOXYCHLOR	22 U	20 UJ	20 UJ	20 UJ	23 U	20 UJ
ENDRIN KETONE	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
ENDRIN ALDEHYDE	4.3 U	3.9 U	4.1 UJ	4.1 UJ	4.5 U	4 U
ALPHA-CHLORDANE	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
GAMMA-CHLORDANE	2.2 U	2 U	2 UJ	2 UJ	2.3 U	2 U
TOXAPHENE	220 U	200 U	200 UJ	200 UJ	230 U	200 U
AROCLOR-1016	43 U	39 U	41 UJ	41 UJ	45 U	40 U
AROCLOR-1221	86 U	78 U	81 UJ	81 UJ	90 U	80 U
AROCLOR-1232	43 U	39 U	41 UJ	41 UJ	45 U	40 U
AROCLOR-1242	43 U	39 U	41 UJ	41 UJ	45 U	40 U
AROCLOR-1248	43 U	39 U	41 UJ	41 UJ	45 U	40 U
AROCLOR-1254	43 U	39 U	41 UJ	41 UJ	45 U	40 U
AROCLOR-1260	43 U	39 U	41 UJ	41 UJ	45 U	40 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB09-02	36-FCA-SB10-02	36-FCA-SB11-03	36-FCA-SB12-02	36-FCA-SB13-01	36-FCA-SB14-01
DATE SAMPLED	02/22/95	02/22/95	02/23/95	02/22/95	02/27/95	02/23/95
DEPTH	3-5'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	12 U	12 U	12 U	11 U
BROMOMETHANE	12 U	12 U	12 U	12 U	12 U	11 U
VINYL CHLORIDE	12 U	12 U	12 U	12 U	12 U	11 U
CHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
METHYLENE CHLORIDE	12 U	12 U	12 U	12 U	12 U	11 U
ACETONE	13 U	12 U	12 U	12 U	12 U	11 U
CARBON DISULFIDE	12 U	12 U	12 U	12 U	12 U	11 U
1,1-DICHLOROETHENE	12 U	12 U	12 U	12 U	12 U	11 U
1,1-DICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	12 U	12 U	12 U	11 U
CHLOROFORM	12 U	12 U	12 U	12 U	12 U	11 U
1,2-DICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
2-BUTANONE	12 U	12 U	12 U	12 U	12 U	11 U
1,1,1-TRICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
CARBON TETRACHLORIDE	12 U	12 U	12 U	12 U	12 U	11 U
BROMODICHLOROMETHANE	12 U	12 U	12 U	12 U	12 U	11 U
1,2-DICHLOROPROPANE	12 U	12 U	12 U	12 U	12 U	11 U
CIS-1,3-DICHLOROPROPENE	12 U	12 U	12 U	12 U	12 U	11 U
TRICHLOROETHENE	12 U	12 U	12 U	12 U	12 U	11 U
DIBROMOCHLOROMETHANE	12 U	12 U	12 U	12 U	12 U	11 U
1,1,2-TRICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
BENZENE	12 U	12 U	12 U	12 U	12 U	11 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	12 U	12 U	12 U	11 U
BROMOFORM	12 U	12 U	12 U	12 U	12 U	11 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	12 U	12 U	11 U
2-HEXANONE	12 U	12 U	12 U	12 U	12 U	11 U
TETRACHLOROETHENE	12 U	12 U	12 U	12 U	12 U	11 U
1,1,2,2-TETRACHLOROETHANE	12 U	12 U	12 U	12 U	12 U	11 U
TOLUENE	12 U	12 U	12 U	12 U	12 U	11 U
CHLOROBENZENE	12 U	12 U	12 U	12 U	12 U	11 U
ETHYLBENZENE	12 U	12 U	12 U	12 U	12 U	11 U
STYRENE	12 U	12 U	12 U	12 U	12 U	11 U
XYLENE (TOTAL)	12 U	12 U	12 U	12 U	12 U	11 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB09-02	36-FCA-SB10-02	36-FCA-SB11-03	36-FCA-SB12-02	36-FCA-SB13-01	36-FCA-SB14-01
DATE SAMPLED	02/22/95	02/22/95	02/23/95	02/22/95	02/27/95	02/23/95
DEPTH	3-5'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	390 U	390 U	390 U	380 U	400 U	370 U
BIS(2-CHLOROETHYL)ETHER	390 U	390 U	390 U	380 U	400 U	370 U
2-CHLOROPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
1,3-DICHLOROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
1,4-DICHLOROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
1,2-DICHLOROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
2-METHYLPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	390 U	390 U	380 U	400 U	370 U
4-METHYLPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
N-NITROSO-DI-N-PROPYLAMINE	390 U	390 U	390 U	380 U	400 U	370 U
HEXACHLOROETHANE	390 U	390 U	390 U	380 U	400 U	370 U
NITROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
ISOPHORONE	390 U	390 U	390 U	380 U	400 U	370 U
2-NITROPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
2,4-DIMETHYLPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
BIS(2-CHLOROETHOXY)METHANE	390 U	390 U	390 U	380 U	400 U	370 U
2,4-DICHLOROPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
1,2,4-TRICHLOROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
NAPHTHALENE	390 U	390 U	390 U	380 U	400 U	370 U
4-CHLOROANILINE	390 U	390 U	390 U	380 U	400 U	370 U
HEXACHLOROBUTADIENE	390 U	390 U	390 U	380 U	400 U	370 U
4-CHLORO-3-METHYLPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
2-METHYLNAPHTHALENE	390 U	390 U	390 U	380 U	400 U	370 U
HEXACHLOROCYCLOPENTADIENE	390 U	390 U	390 U	380 U	400 UJ	370 U
2,4,6-TRICHLOROPHENOL	390 U	390 U	390 U	380 U	400 U	370 U
2,4,5-TRICHLOROPHENOL	980 U	980 U	980 U	960 U	1000 U	920 U
2-CHLORONAPHTHALENE	390 U	390 U	390 U	380 U	400 U	370 U
2-NITROANILINE	980 U	980 U	980 U	960 U	1000 U	920 U
DIMETHYLPHTHALATE	390 U	390 U	390 U	380 U	400 U	370 U
ACENAPHTHYLENE	390 U	390 U	390 U	380 U	400 U	370 U
2,6-DINITROTOLUENE	390 U	390 U	390 U	380 U	400 U	370 U
3-NITROANILINE	980 U	980 U	980 UJ	960 U	1000 U	920 U
ACENAPHTHENE	390 U	390 U	390 U	380 U	400 U	370 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB09-02	36-FCA-SB10-02	36-FCA-SB11-03	36-FCA-SB12-02	36-FCA-SB13-01	36-FCA-SB14-01
DATE SAMPLED	02/22/95	02/22/95	02/23/95	02/22/95	02/27/95	02/23/95
DEPTH	3-5'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	980 UJ	980 U	980 UJ	960 UJ	1000 U	920 UJ
4-NITROPHENOL	980 U	980 U	980 UJ	960 U	1000 U	920 U
DIBENZOFURAN	390 U	390 U	390 U	380 U	400 U	370 U
2,4-DINITROTOLUENE	390 U	390 U	390 U	380 U	400 U	370 U
DIETHYLPHTHALATE	390 U	390 U	390 U	380 U	400 U	370 U
4-CHLOROPHENYL-PHENYLETHER	390 U	390 U	390 U	380 U	400 U	370 U
FLUORENE	390 U	390 U	390 U	380 U	400 U	370 U
4-NITROANILINE	980 U	980 U	980 R	960 U	1000 U	920 U
4,6-DINITRO-2-METHYLPHENOL	980 UJ	980 U	980 U	960 UJ	1000 U	920 U
N-NITROSODIPHENYLAMINE (1)	390 U	390 U	390 U	380 U	400 U	370 U
4-BROMOPHENYL-PHENYLETHER	390 U	390 U	390 U	380 U	400 U	370 U
HEXACHLOROBENZENE	390 U	390 U	390 U	380 U	400 U	370 U
PENTACHLOROPHENOL	980 U	980 U	980 U	960 U	1000 U	920 U
PHENANTHRENE	390 U	390 U	390 U	380 U	400 U	370 U
ANTHRACENE	390 U	390 U	390 U	380 U	400 U	370 U
CARBAZOLE	390 U	390 U	390 U	380 U	400 U	370 U
DI-N-BUTYLPHTHALATE	390 U	390 U	390 U	380 U	400 U	370 U
FLUORANTHENE	390 U	390 U	390 U	380 U	400 U	370 U
PYRENE	390 U	390 U	390 U	380 U	400 U	370 U
BUTYLBENZYLPHTHALATE	390 U	390 U	390 U	380 U	400 U	370 U
3,3'-DICHLOROBENZIDINE	390 U	390 U	390 U	380 U	400 U	370 U
BENZO(A)ANTHRACENE	390 U	390 U	390 U	380 U	400 U	370 U
CHRYSENE	390 U	390 U	390 U	380 U	400 U	370 U
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	390 U	390 U	45 J	400 U	370 U
DI-N-OCTYL PHTHALATE	390 UJ	390 U	390 UJ	380 UJ	400 U	370 U
BENZO(B)FLUORANTHENE	390 U	390 U	390 U	380 U	400 U	370 U
BENZO(K)FLUORANTHENE	390 U	390 U	390 U	380 U	400 U	370 U
BENZO(A)PYRENE	390 U	390 U	390 U	380 U	400 U	370 U
INDENO(1,2,3-CD)PYRENE	390 U	390 U	390 U	380 U	400 U	370 U
DIBENZO(A,H)ANTHRACENE	390 U	390 U	390 U	380 U	400 U	370 U
BENZO(G,H,I)PERYLENE	390 U	390 U	390 U	380 U	400 U	370 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FCA-SB09-02	36-FCA-SB10-02	36-FCA-SB11-03	36-FCA-SB12-02	36-FCA-SB13-01	36-FCA-SB14-01
DATE SAMPLED	02/22/95	02/22/95	02/23/95	02/22/95	02/27/95	02/23/95
DEPTH	3-5'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	2 UJ	2 UJ	2 UJ	1.9 UJ	2 UJ	1.9 UJ
BETA-BHC	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
DELTA-BHC	2 UJ	2 UJ	2 UJ	1.9 UJ	2 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	2 UJ	2 UJ	2 UJ	1.9 UJ	2 UJ	1.9 UJ
HEPTACHLOR	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
ALDRIN	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
HEPTACHLOR EPOXIDE	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
ENDOSULFAN I	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
DIELDRIN	4 UJ	9.4 J	3.9 UJ	3.8 U	4.1 UJ	3.8 U
4,4'-DDE	4 UJ	3.9 UJ	3.9 UJ	3.8 UJ	4.1 UJ	3.8 UJ
ENDRIN	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
ENDOSULFAN II	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
4,4'-DDD	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
ENDOSULFAN SULFATE	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
4,4'-DDT	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
METHOXYCHLOR	20 UJ	20 UJ	20 UJ	19 U	20 UJ	19 U
ENDRIN KETONE	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
ENDRIN ALDEHYDE	4 UJ	3.9 UJ	3.9 UJ	3.8 U	4.1 UJ	3.8 U
ALPHA-CHLORDANE	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
GAMMA-CHLORDANE	2 UJ	2 UJ	2 UJ	1.9 U	2 UJ	1.9 U
TOXAPHENE	200 UJ	200 UJ	200 UJ	190 U	200 UJ	190 U
AROCLOR-1016	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U
AROCLOR-1221	79 UJ	79 UJ	79 UJ	76 U	82 UJ	75 U
AROCLOR-1232	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U
AROCLOR-1242	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U
AROCLOR-1248	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U
AROCLOR-1254	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U
AROCLOR-1260	40 UJ	39 UJ	39 UJ	38 U	41 UJ	38 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB01-02	36-FDA-SB02-04	36-FDA-SB03-04	36-FDA-SB04-01	36-FDA-SB05-01	36-FDA-SB06-07
DATE SAMPLED	02/23/95	02/27/95	02/22/95	02/24/95	02/27/95	02/25/95
DEPTH	3-5'	7-9'	7-9'	1-3'	1-3'	13-15'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	12 U	11 U	14 U	13 U
BROMOMETHANE	12 U	12 U	12 U	11 U	14 U	13 U
VINYL CHLORIDE	12 U	12 U	12 U	11 U	14 U	13 U
CHLOROETHANE	12 U	12 U	12 U	11 U	14 U	13 U
METHYLENE CHLORIDE	12 U	12 U	12 U	11 U	14 U	13 U
ACETONE	12 U	21 U	12 U	11 U	14 U	160 J
CARBON DISULFIDE	12 U	12 U	12 U	11 U	14 U	13 U
1,1-DICHLOROETHENE	12 U	12 U	12 U	11 U	14 U	13 U
1,1-DICHLOROETHANE	12 U	12 U	12 U	11 U	14 U	13 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	12 U	11 U	14 U	13 U
CHLOROFORM	12 U	12 U	12 U	11 U	14 U	13 U
1,2-DICHLOROETHANE	12 U	12 U	12 U	11 U	14 U	13 U
2-BUTANONE	12 U	12 U	12 U	11 U	14 U	16 J
1,1,1-TRICHLOROETHANE	12 U	12 U	12 U	11 U	14 U	13 U
CARBON TETRACHLORIDE	12 U	12 U	12 U	11 U	14 U	13 U
BROMODICHLOROMETHANE	12 U	12 U	12 U	11 U	14 U	13 U
1,2-DICHLOROPROPANE	12 U	12 U	12 U	11 U	14 U	13 U
CIS-1,3-DICHLOROPROPENE	12 U	12 U	12 U	11 U	14 U	13 U
TRICHLOROETHENE	5 J	12 U	4 J	11 U	14 U	13 U
DIBROMOCHLOROMETHANE	12 U	12 U	12 U	11 U	14 U	13 U
1,1,2-TRICHLOROETHANE	12 U	12 U	12 U	11 U	14 U	13 U
BENZENE	3 J	12 U	12 U	11 U	14 U	13 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	12 U	11 U	14 U	13 U
BROMOFORM	12 U	12 U	12 U	11 U	14 U	13 U
4-METHYL-2-PENTANONE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
2-HEXANONE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
TETRACHLOROETHENE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
1,1,2,2-TETRACHLOROETHANE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
TOLUENE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
CHLOROBENZENE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
ETHYLBENZENE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
STYRENE	12 UJ	12 U	12 U	11 U	14 UJ	13 U
XYLENE (TOTAL)	12 UJ	12 U	12 U	2 J	14 UJ	6 J

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB01-02	36-FDA-SB02-04	36-FDA-SB03-04	36-FDA-SB04-01	36-FDA-SB05-01	36-FDA-SB06-07
DATE SAMPLED	02/23/95	02/27/95	02/22/95	02/24/95	02/27/95	02/25/95
DEPTH	3-5'	7-9'	7-9'	1-3'	1-3'	13-15'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	400 U	400 U	390 U	370 U	440 U	420 U
BIS(2-CHLOROETHYL)ETHER	400 U	400 U	390 U	370 U	440 U	420 U
2-CHLOROPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
1,3-DICHLOROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
1,4-DICHLOROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
1,2-DICHLOROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
2-METHYLPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	400 U	390 U	370 U	440 U	420 U
4-METHYLPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
N-NITROSO-DI-N-PROPYLAMINE	400 U	400 U	390 U	370 U	440 U	420 U
HEXACHLOROETHANE	400 U	400 U	390 U	370 U	440 U	420 U
NITROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
ISOPHORONE	400 U	400 U	390 U	370 U	440 U	420 U
2-NITROPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
2,4-DIMETHYLPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
BIS(2-CHLOROETHOXY)METHANE	400 U	400 U	390 U	370 U	440 U	420 U
2,4-DICHLOROPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
1,2,4-TRICHLOROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
NAPHTHALENE	400 U	400 U	390 U	370 U	440 U	420 U
4-CHLOROANILINE	400 U	400 U	390 U	370 U	440 U	420 U
HEXACHLOROBUTADIENE	400 U	400 U	390 U	370 U	440 U	420 U
4-CHLORO-3-METHYLPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
2-METHYLNAPHTHALENE	400 U	85 J	390 U	370 U	440 U	420 U
HEXACHLOROCYCLOPENTADIENE	400 U	400 UJ	390 U	370 U	440 U	420 U
2,4,6-TRICHLOROPHENOL	400 U	400 U	390 U	370 U	440 U	420 U
2,4,5-TRICHLOROPHENOL	1000 U	990 U	980 U	920 U	1100 U	1000 U
2-CHLORONAPHTHALENE	400 U	400 U	390 U	370 U	440 U	420 U
2-NITROANILINE	1000 U	990 U	980 U	920 U	1100 U	1000 U
DIMETHYLPHTHALATE	400 U	400 U	390 U	370 U	440 U	420 U
ACENAPHTHYLENE	400 U	400 U	390 U	370 U	440 U	420 U
2,6-DINITROTOLUENE	400 U	400 U	390 U	370 U	440 U	420 U
3-NITROANILINE	1000 U	990 U	980 U	920 U	1100 U	1000 U
ACENAPHTHENE	400 U	400 U	390 U	370 U	440 U	420 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB01-02	36-FDA-SB02-04	36-FDA-SB03-04	36-FDA-SB04-01	36-FDA-SB05-01	36-FDA-SB06-07
DATE SAMPLED	02/23/95	02/27/95	02/22/95	02/24/95	02/27/95	02/25/95
DEPTH	3-5'	7-9'	7-9'	1-3'	1-3'	13-15'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	1000 U	990 U	980 U	920 U	1100 UJ	1000 U
4-NITROPHENOL	1000 U	990 U	980 U	920 U	1100 U	1000 U
DIBENZOFURAN	400 U	400 U	390 U	370 U	440 U	420 U
2,4-DINITROTOLUENE	400 U	400 U	390 U	370 U	440 U	420 U
DIETHYLPHTHALATE	400 U	400 U	390 U	370 U	440 U	420 U
4-CHLOROPHENYL-PHENYLETHER	400 U	400 U	390 U	370 U	440 U	420 U
FLUORENE	400 U	400 U	390 U	370 U	440 U	420 U
4-NITROANILINE	1000 U	990 U	980 U	920 U	1100 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	990 U	980 U	920 U	1100 UJ	1000 U
N-NITROSODIPHENYLAMINE (1)	400 U	400 U	390 U	370 U	440 U	420 U
4-BROMOPHENYL-PHENYLETHER	400 U	400 U	390 U	370 U	440 U	420 U
HEXACHLOROBENZENE	400 U	400 U	390 U	370 U	440 U	420 U
PENTACHLOROPHENOL	1000 U	990 U	980 U	920 U	1100 U	1000 U
PHENANTHRENE	400 U	400 U	390 U	370 U	440 U	420 U
ANTHRACENE	400 U	400 U	390 U	370 U	440 U	420 U
CARBAZOLE	400 U	400 U	390 U	370 U	440 U	420 U
DI-N-BUTYLPHTHALATE	400 U	400 U	390 U	370 U	440 U	420 U
FLUORANTHENE	400 U	400 U	390 U	370 U	440 U	170 J
PYRENE	400 UJ	59 J	390 U	370 U	440 U	150 J
BUTYLBENZYLPHTHALATE	400 UJ	400 U	390 U	370 U	440 U	420 U
3,3'-DICHLOROBENZIDINE	400 UJ	400 U	390 U	370 U	440 U	420 U
BENZO(A)ANTHRACENE	400 UJ	400 U	390 U	370 U	440 U	110 J
CHRYSENE	400 UJ	41 J	390 U	370 U	440 U	180 J
BIS(2-ETHYLHEXYL)PHTHALATE	400 UJ	400 U	39 J	370 U	440 U	120 J
DI-N-OCTYL PHTHALATE	400 U	400 U	390 U	370 U	440 U	420 U
BENZO(B)FLUORANTHENE	400 U	47 J	390 U	370 U	440 U	130 J
BENZO(K)FLUORANTHENE	400 U	400 U	390 U	370 U	440 U	68 J
BENZO(A)PYRENE	400 U	400 U	390 U	370 U	440 U	77 J
INDENO(1,2,3-CD)PYRENE	400 U	400 U	390 U	370 U	440 U	51 J
DIBENZO(A,H)ANTHRACENE	400 U	400 U	390 U	370 U	440 U	420 U
BENZO(G,H,I)PERYLENE	400 U	400 U	390 U	370 U	440 U	42 J

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-FDA-SB01-02	36-FDA-SB02-04	36-FDA-SB03-04	36-FDA-SB04-01	36-FDA-SB05-01	36-FDA-SB06-07
DATE SAMPLED	02/23/95	02/27/95	02/22/95	02/24/95	02/27/95	02/25/95
DEPTH	3-5'	7-9'	7-9'	1-3'	1-3'	13-15'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	2 UJ	2 U	2 UJ	1.8 UJ	2.2 UJ	2.1 UJ
BETA-BHC	2 U	2 U	2 U	1.8 U	2.2 UJ	2.1 U
DELTA-BHC	2 U	2 U	2 UJ	1.8 U	2.2 UJ	2.1 U
GAMMA-BHC (LINDANE)	2 U	2 U	2 UJ	1.8 U	2.2 UJ	2.1 U
HEPTACHLOR	2 U	2 U	2 U	1.8 U	2.2 UJ	2.1 U
ALDRIN	2 U	2 U	2 U	1.8 U	2.2 UJ	2.1 U
HEPTACHLOR EPOXIDE	2 U	2 U	2 U	1.8 U	8 J	3.4 J
ENDOSULFAN I	2 U	2 U	2 U	1.8 U	2.2 UJ	2.1 U
DIELDRIN	4.1	3.9 U	3.9 U	3.6 U	1200 J	4.2 U
4,4'-DDE	32	250	3.9 UJ	190	1100 J	170 J
ENDRIN	4.1 U	3.9 U	3.9 U	3.6 U	4 J	4.2 U
ENDOSULFAN II	4.1 U	3.9 U	3.9 U	3.6 U	4.5 UJ	4.2 U
4,4'-DDD	36	260 J	3.9 U	22 J	1300 J	12
ENDOSULFAN SULFATE	4.1 U	3.9 U	3.9 U	3.6 U	4.5 UJ	4.2 U
4,4'-DDT	8.6 J	29	3.9 U	340	340	4.6 J
METHOXYCHLOR	20 U	20 UJ	20 U	18 U	22 UJ	21 U
ENDRIN KETONE	4.1 U	3.9 U	3.9 U	3.6 U	4.5 UJ	4.2 U
ENDRIN ALDEHYDE	4.1 U	3.9 U	3.9 U	3.6 U	32 J	4.2 U
ALPHA-CHLORDANE	1.6 J	9	2 U	1.8 U	140	3.4 J
GAMMA-CHLORDANE	2.5 J	8.2 J	2 U	1.8 U	100 J	3.4 J
TOXAPHENE	200 U	200 U	200 U	180 U	220 UJ	210 U
AROCLOR-1016	41 U	39 U	39 U	36 U	45 UJ	42 U
AROCLOR-1221	82 U	78 U	79 U	73 U	89 UJ	84 U
AROCLOR-1232	41 U	39 U	39 U	36 U	45 UJ	42 U
AROCLOR-1242	41 U	39 U	39 U	36 U	45 UJ	42 U
AROCLOR-1248	41 U	39 U	39 U	36 U	45 UJ	42 U
AROCLOR-1254	41 U	39 U	39 U	36 U	45 UJ	42 U
AROCLOR-1260	41 U	39 U	39 U	36 U	45 UJ	42 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB01-04	36-GS-SB02-04	36-GS-SB03-02	36-GS-SB04-03	36-GS-SB05-01	36-GS-SB05-03
DATE SAMPLED	05/06/95	05/06/95	05/07/95	05/06/95	05/06/95	05/06/95
DEPTH	7-9'	7-9'	3-5'	5-7'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
BROMOMETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
VINYL CHLORIDE	12 U	12 U	25 UJ	12 U	12 U	12 U
CHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
METHYLENE CHLORIDE	12 U	12 U	25 UJ	12 U	12 U	12 U
ACETONE	12 U	12 U	480 J	12 U	23	12 U
CARBON DISULFIDE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,1-DICHLOROETHENE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,1-DICHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	25 UJ	12 U	12 U	12 U
CHLOROFORM	12 U	12 U	25 UJ	12 U	12 U	12 U
1,2-DICHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
2-BUTANONE	12 U	12 U	170 J	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
CARBON TETRACHLORIDE	12 U	12 U	25 UJ	12 U	12 U	12 U
BROMODICHLOROMETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,2-DICHLOROPROPANE	12 U	12 U	25 UJ	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	12 U	12 U	25 UJ	12 U	12 U	12 U
TRICHLOROETHENE	12 U	12 U	25 UJ	12 U	12 U	12 U
DIBROMOCHLOROMETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
BENZENE	12 U	12 U	25 UJ	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 U	25 UJ	12 U	12 U	12 U
BROMOFORM	12 U	12 U	25 UJ	12 U	12 U	12 U
4-METHYL-2-PENTANONE	12 U	12 U	25 UJ	12 U	12 U	12 U
2-HEXANONE	12 U	12 U	25 UJ	12 U	12 U	12 U
TETRACHLOROETHENE	12 U	12 U	25 UJ	12 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	12 U	12 U	25 UJ	12 U	12 U	12 U
TOLUENE	12 U	12 U	25 UJ	12 U	12 U	12 U
CHLOROBENZENE	12 U	12 U	25 UJ	12 U	12 U	12 U
ETHYLBENZENE	12 U	12 U	25 UJ	12 U	12 U	12 U
STYRENE	12 U	12 U	25 UJ	12 U	12 U	12 U
XYLENE (TOTAL)	12 U	12 U	25 UJ	12 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB01-04	36-GS-SB02-04	36-GS-SB03-02	36-GS-SB04-03	36-GS-SB05-01	36-GS-SB05-03
DATE SAMPLED	05/06/95	05/06/95	05/07/95	05/06/95	05/06/95	05/06/95
DEPTH	7-9'	7-9'	3-5'	5-7'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	410 U	390 U	830 U	410 U	390 U	380 U
BIS(2-CHLOROETHYL)ETHER	410 U	390 U	830 U	410 U	390 U	380 U
2-CHLOROPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
1,3-DICHLOROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
1,4-DICHLOROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
1,2-DICHLOROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
2-METHYLPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)	410 U	390 U	830 U	410 U	390 U	380 U
4-METHYLPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	410 U	390 U	830 U	410 U	390 U	380 U
HEXACHLOROETHANE	410 U	390 U	830 U	410 U	390 U	380 U
NITROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
ISOPHORONE	410 U	390 U	830 U	410 U	390 U	380 U
2-NITROPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
2,4-DIMETHYLPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
BIS(2-CHLOROETHOXY)METHANE	410 U	390 U	830 U	410 U	390 U	380 U
2,4-DICHLOROPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
1,2,4-TRICHLOROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
NAPHTHALENE	410 U	390 U	830 U	410 U	390 U	380 U
4-CHLOROANILINE	410 U	390 U	830 U	410 U	390 U	380 U
HEXACHLOROBUTADIENE	410 U	390 U	830 U	410 U	390 U	380 U
4-CHLORO-3-METHYLPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
2-METHYLNAPHTHALENE	410 U	390 U	830 U	410 U	390 U	380 U
HEXACHLOROCYCLOPENTADIENE	410 U	390 U	830 U	410 U	390 U	380 U
2,4,6-TRICHLOROPHENOL	410 U	390 U	830 U	410 U	390 U	380 U
2,4,5-TRICHLOROPHENOL	1000 U	970 U	2100 U	1000 U	960 U	960 U
2-CHLORONAPHTHALENE	410 U	390 U	830 U	410 U	390 U	380 U
2-NITROANILINE	1000 U	970 U	2100 U	1000 U	960 U	960 U
DIMETHYLPHTHALATE	410 U	390 U	830 U	410 U	390 U	380 U
ACENAPHTHYLENE	410 U	390 U	830 U	410 U	390 U	380 U
2,6-DINITROTOLUENE	410 U	390 U	830 U	410 U	390 U	380 U
3-NITROANILINE	1000 U	970 U	2100 U	1000 U	960 U	960 U
ACENAPHTHENE	410 U	390 U	830 U	410 U	390 U	380 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB01-04	36-GS-SB02-04	36-GS-SB03-02	36-GS-SB04-03	36-GS-SB05-01	36-GS-SB05-03
DATE SAMPLED	05/06/95	05/06/95	05/07/95	05/06/95	05/06/95	05/06/95
DEPTH	7-9'	7-9'	3-5'	5-7'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	1000 U	970 U	2100 U	1000 U	960 U	960 U
4-NITROPHENOL	1000 U	970 U	2100 U	1000 U	960 U	960 U
DIBENZOFURAN	410 U	390 U	830 U	410 U	390 U	380 U
2,4-DINITROTOLUENE	410 U	390 U	830 U	410 U	390 U	380 U
DIETHYLPHTHALATE	410 U	390 U	830 U	410 U	390 U	380 U
4-CHLOROPHENYL-PHENYLETHER	410 U	390 U	830 U	410 U	390 U	380 U
FLUORENE	410 U	390 U	830 U	410 U	390 U	380 U
4-NITROANILINE	1000 U	970 U	2100 U	1000 U	960 U	960 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	970 U	2100 U	1000 U	960 U	960 U
N-NITROSODIPHENYLAMINE (1)	410 U	390 U	830 U	410 U	390 U	380 U
4-BROMOPHENYL-PHENYLETHER	410 U	390 U	830 U	410 U	390 U	380 U
HEXACHLOROBENZENE	410 U	390 U	830 U	410 U	390 U	380 U
PENTACHLOROPHENOL	1000 U	970 U	2100 U	1000 U	960 U	960 U
PHENANTHRENE	410 U	390 U	830 U	410 U	390 U	380 U
ANTHRACENE	410 U	390 U	830 U	410 U	390 U	380 U
CARBAZOLE	410 U	390 U	830 U	410 U	390 U	380 U
DI-N-BUTYLPHTHALATE	700 U	550 U	830 U	410 U	1800 U	2200 U
FLUORANTHENE	410 U	390 U	830 U	410 U	390 U	380 U
PYRENE	410 U	390 U	830 U	410 U	390 U	380 U
BUTYLBENZYLPHTHALATE	410 U	390 U	830 U	410 U	390 U	380 U
3,3'-DICHLOROBENZIDINE	410 U	390 U	830 U	410 U	390 U	380 U
BENZO(A)ANTHRACENE	410 U	390 U	830 U	410 U	390 U	380 U
CHRYSENE	410 U	390 U	830 U	410 U	390 U	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	410 U	390 U	830 U	410 U	390 U	380 U
DI-N-OCTYL PHTHALATE	410 U	390 U	830 U	410 U	390 U	380 U
BENZO(B)FLUORANTHENE	410 U	390 U	830 U	410 U	390 U	380 U
BENZO(K)FLUORANTHENE	410 U	390 U	830 U	410 U	390 U	380 U
BENZO(A)PYRENE	410 U	390 U	450 J	410 U	390 U	380 U
INDENO(1,2,3-CD)PYRENE	410 U	390 U	830 U	410 U	390 U	380 U
DIBENZO(A,H)ANTHRACENE	410 U	390 U	830 U	410 U	390 U	380 U
BENZO(G,H,I)PERYLENE	410 U	390 U	830 U	410 U	390 U	380 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB01-04	36-GS-SB02-04	36-GS-SB03-02	36-GS-SB04-03	36-GS-SB05-01	36-GS-SB05-03
DATE SAMPLED	05/06/95	05/06/95	05/07/95	05/06/95	05/06/95	05/06/95
DEPTH	7-9'	7-9'	3-5'	5-7'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
4,4'-DDD	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB06-02	36-GW07-01	36-GW09-04	36-GW10-03	36-GW11-04	36-GW11-06
DATE SAMPLED	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	3-5'	1-3'	7-9'	5-7'	7-9'	11-13'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	13 U	13 U	11 U	14 U	11 U	12 U
BROMOMETHANE	13 U	13 U	11 U	14 U	11 U	12 U
VINYL CHLORIDE	13 U	13 U	11 U	14 U	11 U	12 U
CHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
METHYLENE CHLORIDE	13 U	13 U	11 U	14 U	11 U	12 U
ACETONE	13 U	13 U	40	130	11 U	16 U
CARBON DISULFIDE	13 U	13 U	11 U	14 U	11 U	12 U
1,1-DICHLOROETHENE	13 U	13 U	11 U	14 U	11 U	12 U
1,1-DICHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
1,2-DICHLOROETHENE (TOTAL)	13 U	13 U	11 U	14 U	11 U	12 U
CHLOROFORM	13 U	13 U	11 U	14 U	11 U	12 U
1,2-DICHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
2-BUTANONE	13 U	13 U	11 U	14 U	11 U	12 U
1,1,1-TRICHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
CARBON TETRACHLORIDE	13 U	13 U	11 U	14 U	11 U	12 U
BROMODICHLOROMETHANE	13 U	13 U	11 U	14 U	11 U	12 U
1,2-DICHLOROPROPANE	13 U	13 U	11 U	14 U	11 U	12 U
CIS-1,3-DICHLOROPROPENE	13 U	13 U	11 U	14 U	11 U	12 U
TRICHLOROETHENE	13 U	13 U	11 U	14 U	11 U	12 U
DIBROMOCHLOROMETHANE	13 U	13 U	11 U	14 U	11 U	12 U
1,1,2-TRICHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
BENZENE	13 U	13 U	11 U	14 U	11 U	12 U
TRANS-1,3-DICHLOROPROPENE	13 U	13 U	11 U	14 U	11 U	12 U
BROMOFORM	13 U	13 U	11 U	14 U	11 U	12 U
4-METHYL-2-PENTANONE	13 U	13 U	11 U	14 U	11 U	12 U
2-HEXANONE	13 U	13 U	11 U	14 U	11 U	12 U
TETRACHLOROETHENE	13 U	13 U	11 U	14 U	11 U	12 U
1,1,2,2-TETRACHLOROETHANE	13 U	13 U	11 U	14 U	11 U	12 U
TOLUENE	13 U	13 U	11 U	14 U	11 U	12 U
CHLOROBENZENE	13 U	13 U	11 U	14 U	11 U	12 U
ETHYLBENZENE	13 U	13 U	11 U	14 U	11 U	12 U
STYRENE	13 U	13 U	11 U	14 U	11 U	12 U
XYLENE (TOTAL)	13 U	13 U	3 J	14 U	11 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB06-02	36-GW07-01	36-GW09-04	36-GW10-03	36-GW11-04	36-GW11-06
DATE SAMPLED	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	3-5'	1-3'	7-9'	5-7'	7-9'	11-13'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	430 U	410 U	370 U	460 U	370 U	390 U
BIS(2-CHLOROETHYL)ETHER	430 U	410 U	370 U	460 U	370 U	390 U
2-CHLOROPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
1,3-DICHLOROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
1,4-DICHLOROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
1,2-DICHLOROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
2-METHYLPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	410 U	370 U	460 UJ	370 UJ	390 U
4-METHYLPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	430 U	410 U	370 U	460 U	370 U	390 U
HEXACHLOROETHANE	430 U	410 U	370 U	460 U	370 U	390 U
NITROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
ISOPHORONE	430 U	410 U	370 U	460 U	370 U	390 U
2-NITROPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
2,4-DIMETHYLPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
BIS(2-CHLOROETHOXY)METHANE	430 U	410 U	370 U	460 U	370 U	390 U
2,4-DICHLOROPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
1,2,4-TRICHLOROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
NAPHTHALENE	430 U	410 U	370 U	460 U	370 U	390 U
4-CHLOROANILINE	430 U	410 U	370 U	460 U	370 U	390 U
HEXACHLOROBUTADIENE	430 U	410 U	370 U	460 U	370 U	390 U
4-CHLORO-3-METHYLPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
2-METHYLNAPHTHALENE	430 U	410 U	370 U	460 U	370 U	390 U
HEXACHLOROCYCLOPENTADIENE	430 U	410 U	370 U	460 U	370 U	390 U
2,4,6-TRICHLOROPHENOL	430 U	410 U	370 U	460 U	370 U	390 U
2,4,5-TRICHLOROPHENOL	1100 U	1000 U	930 U	1200 U	920 U	980 U
2-CHLORONAPHTHALENE	430 U	410 U	370 U	460 U	370 U	390 U
2-NITROANILINE	1100 U	1000 U	930 U	1200 U	920 U	980 U
DIMETHYLPHTHALATE	430 U	410 U	370 U	460 U	370 U	390 U
ACENAPHTHYLENE	430 U	410 U	370 U	460 U	370 U	390 U
2,6-DINITROTOLUENE	430 U	410 U	370 U	460 U	370 U	390 U
3-NITROANILINE	1100 U	1000 U	930 U	1200 U	920 U	980 U
ACENAPHTHENE	430 U	410 U	370 U	460 U	370 U	390 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB06-02	36-GW07-01	36-GW09-04	36-GW10-03	36-GW11-04	36-GW11-06
DATE SAMPLED	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	3-5'	1-3'	7-9'	5-7'	7-9'	11-13'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	1100 U	1000 U	930 U	1200 U	920 U	980 U
4-NITROPHENOL	1100 U	1000 U	930 U	1200 U	920 U	980 U
DIBENZOFURAN	430 U	410 U	370 U	460 U	370 U	390 U
2,4-DINITROTOLUENE	430 U	410 U	370 U	460 U	370 U	390 U
DIETHYLPHTHALATE	430 U	410 U	370 U	460 U	370 U	390 U
4-CHLOROPHENYL-PHENYLETHER	430 U	410 U	370 U	460 U	370 U	390 U
FLUORENE	430 U	410 U	370 U	460 U	370 U	390 U
4-NITROANILINE	1100 U	1000 U	930 U	1200 U	920 U	980 U
4,6-DINITRO-2-METHYLPHENOL	1100 U	1000 U	930 U	1200 U	920 U	980 U
N-NITROSODIPHENYLAMINE (1)	430 U	410 U	370 U	460 U	370 U	390 U
4-BROMOPHENYL-PHENYLETHER	430 U	410 U	370 U	460 U	370 U	390 U
HEXACHLOROBENZENE	430 U	410 U	370 U	460 U	370 U	390 U
PENTACHLOROPHENOL	1100 U	1000 U	930 U	1200 U	920 U	980 U
PHENANTHRENE	430 U	410 U	370 U	460 U	370 U	390 U
ANTHRACENE	430 U	410 U	370 U	460 U	370 U	390 U
CARBAZOLE	430 U	410 U	370 U	460 U	370 U	390 U
DI-N-BUTYLPHTHALATE	430 U	410 U	370 U	2700 U	370 U	390 U
FLUORANTHENE	430 U	410 U	370 U	460 U	370 U	390 U
PYRENE	430 U	410 U	370 U	460 U	370 U	390 U
BUTYLBENZYLPHTHALATE	430 U	410 U	370 U	460 U	370 U	390 U
3,3'-DICHLOROBENZIDINE	430 U	410 U	370 U	460 U	370 U	390 U
BENZO(A)ANTHRACENE	430 U	410 U	370 U	460 U	370 U	390 U
CHRYSENE	430 U	410 U	370 U	460 U	370 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	530	370 U	460 U	370 U	390 U
DI-N-OCTYL PHTHALATE	430 U	410 U	370 U	460 U	370 U	390 U
BENZO(B)FLUORANTHENE	430 U	410 U	370 U	460 U	370 U	390 U
BENZO(K)FLUORANTHENE	430 U	410 U	370 U	460 U	370 U	390 U
BENZO(A)PYRENE	430 U	410 U	370 U	460 U	370 U	390 U
INDENO(1,2,3-CD)PYRENE	430 U	410 U	370 U	460 U	370 U	390 U
DIBENZO(A,H)ANTHRACENE	430 U	410 U	370 U	460 U	370 U	390 U
BENZO(G,H,I)PERYLENE	430 U	410 U	370 U	460 U	370 U	390 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GS-SB06-02	36-GW07-01	36-GW09-04	36-GW10-03	36-GW11-04	36-GW11-06
DATE SAMPLED	05/07/95	03/07/95	03/09/95	03/09/95	03/09/95	03/09/95
DEPTH	3-5'	1-3'	7-9'	5-7'	7-9'	11-13'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
BETA-BHC	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
DELTA-BHC	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
GAMMA-BHC (LINDANE)	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
HEPTACHLOR	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
ALDRIN	NA	2 UJ	1.9 U	2.3 UJ	16 J	2 U
HEPTACHLOR EPOXIDE	NA	2 UJ	1.9 U	2.3 UJ	14 J	2 U
ENDOSULFAN I	NA	2 UJ	1.9 U	2.3 UJ	19 U	2 U
DIELDRIN	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
4,4'-DDE	NA	4.1 UJ	6.7	4.5 UJ	470	4 U
ENDRIN	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
ENDOSULFAN II	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
4,4'-DDD	NA	4.1 UJ	7.9	6.8 J	440	4 U
ENDOSULFAN SULFATE	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
4,4'-DDT	NA	4.1 UJ	3.7 U	4.5 UJ	79	4 U
METHOXYCHLOR	NA	20 UJ	19 U	23 UJ	190 U	20 U
ENDRIN KETONE	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
ENDRIN ALDEHYDE	NA	4.1 UJ	3.7 U	4.5 UJ	37 U	4 U
ALPHA-CHLORDANE	NA	2 UJ	1.9 U	2.3 UJ	750	2 U
GAMMA-CHLORDANE	NA	2 UJ	1.9 U	2.3 UJ	770	2 U
TOXAPHENE	NA	200 UJ	190 U	230 UJ	1900 U	200 U
AROCLOR-1016	NA	41 UJ	37 U	45 UJ	370 U	40 U
AROCLOR-1221	NA	81 UJ	75 U	90 UJ	740 U	79 U
AROCLOR-1232	NA	41 UJ	37 U	45 UJ	370 U	40 U
AROCLOR-1242	NA	41 UJ	37 U	45 UJ	370 U	40 U
AROCLOR-1248	NA	41 UJ	37 U	45 UJ	370 U	40 U
AROCLOR-1254	NA	41 UJ	37 U	45 UJ	370 U	40 U
AROCLOR-1260	NA	41 UJ	37 U	45 UJ	370 U	40 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-03	36-GW13-02	36-GW13-03	36-GW14-02	36-OA-SB01-01	36-OA-SB01A-01
DATE SAMPLED	04/23/95	04/24/95	04/24/95	04/24/95	02/22/95	03/09/95
DEPTH	5-7'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	14 U	13 U	12 U	12 U	12 U	12 U
BROMOMETHANE	14 U	13 U	12 U	12 U	12 U	12 U
VINYL CHLORIDE	14 U	13 U	12 U	12 U	12 U	12 U
CHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	14 U	13 U	12 U	12 U	12 U	12 U
ACETONE	14 U	13 U	12 U	12 U	12 U	12 U
CARBON DISULFIDE	14 U	13 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	14 U	13 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	14 U	13 U	12 U	12 U	4 J	12 U
CHLOROFORM	14 U	13 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 U
2-BUTANONE	14 U	13 U	12 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 U
CARBON TETRACHLORIDE	14 U	13 U	12 U	12 U	12 U	12 U
BROMODICHLOROMETHANE	14 U	13 U	12 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE	14 U	13 U	12 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	14 U	13 U	12 U	12 U	12 U	12 U
TRICHLOROETHENE	14 U	13 U	12 U	12 U	3 J	12 U
DIBROMOCHLOROMETHANE	14 U	13 U	12 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 U
BENZENE	14 U	13 U	12 U	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	14 U	13 U	12 U	12 U	12 U	12 U
BROMOFORM	14 U	13 U	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	14 U	13 U	12 U	12 U	12 U	12 UJ
2-HEXANONE	14 U	13 U	12 U	12 U	12 U	12 UJ
TETRACHLOROETHENE	14 U	13 U	12 U	12 U	12 U	12 UJ
1,1,2,2-TETRACHLOROETHANE	14 U	13 U	12 U	12 U	12 U	12 UJ
TOLUENE	14 U	13 U	12 U	12 U	12 U	12 UJ
CHLOROBENZENE	14 U	13 U	12 U	12 U	12 U	12 UJ
ETHYLBENZENE	14 U	13 U	12 U	12 U	12 U	12 UJ
STYRENE	14 U	13 U	12 U	12 U	12 U	12 UJ
XYLENE (TOTAL)	14 U	13 U	12 U	12 U	3 J	12 UJ

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-03	36-GW13-02	36-GW13-03	36-GW14-02	36-OA-SB01-01	36-OA-SB01A-01
DATE SAMPLED	04/23/95	04/24/95	04/24/95	04/24/95	02/22/95	03/09/95
DEPTH	5-7'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	NA	NA	NA	NA	380 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	380 U	400 U
2-CHLOROPHENOL	NA	NA	NA	NA	380 U	400 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	380 U	400 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	380 U	400 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	380 U	400 U
2-METHYLPHENOL	NA	NA	NA	NA	380 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	380 U	400 U
4-METHYLPHENOL	NA	NA	NA	NA	380 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	380 U	400 U
HEXACHLOROETHANE	NA	NA	NA	NA	380 U	400 U
NITROBENZENE	NA	NA	NA	NA	380 U	400 U
ISOPHORONE	NA	NA	NA	NA	380 U	400 U
2-NITROPHENOL	NA	NA	NA	NA	380 U	400 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	380 U	400 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	380 U	400 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	380 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	380 U	400 U
NAPHTHALENE	NA	NA	NA	NA	380 U	41 J
4-CHLOROANILINE	NA	NA	NA	NA	380 U	400 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	380 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	380 U	400 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	380 U	65 J
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	380 U	400 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	380 U	400 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	960 U	990 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	380 U	400 U
2-NITROANILINE	NA	NA	NA	NA	960 U	990 U
DIMETHYLPHTHALATE	NA	NA	NA	NA	380 U	400 U
ACENAPHTHYLENE	NA	NA	NA	NA	380 U	400 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	380 U	400 U
3-NITROANILINE	NA	NA	NA	NA	960 U	990 U
ACENAPHTHENE	NA	NA	NA	NA	380 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-03	36-GW13-02	36-GW13-03	36-GW14-02	36-OA-SB01-01	36-OA-SB01A-01
DATE SAMPLED	04/23/95	04/24/95	04/24/95	04/24/95	02/22/95	03/09/95
DEPTH	5-7'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	NA	NA	NA	NA	960 UJ	990 U
4-NITROPHENOL	NA	NA	NA	NA	960 U	990 U
DIBENZOFURAN	NA	NA	NA	NA	380 U	400 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	380 U	400 U
DIETHYLPHTHALATE	NA	NA	NA	NA	380 U	400 U
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	NA	380 U	400 U
FLUORENE	NA	NA	NA	NA	380 U	400 U
4-NITROANILINE	NA	NA	NA	NA	960 U	990 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	960 U	990 U
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	NA	380 U	400 U
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	NA	380 U	400 U
HEXACHLOROBENZENE	NA	NA	NA	NA	380 U	400 U
PENTACHLOROPHENOL	NA	NA	NA	NA	960 U	990 U
PHENANTHRENE	NA	NA	NA	NA	380 U	95 J
ANTHRACENE	NA	NA	NA	NA	380 U	400 U
CARBAZOLE	NA	NA	NA	NA	380 U	400 U
DI-N-BUTYLPHTHALATE	NA	NA	NA	NA	56 J	400 U
FLUORANTHENE	NA	NA	NA	NA	380 U	400 U
PYRENE	NA	NA	NA	NA	380 U	400 U
BUTYLBENZYLPHTHALATE	NA	NA	NA	NA	380 U	400 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	380 U	400 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	380 U	400 U
CHRYSENE	NA	NA	NA	NA	380 U	55 J
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	48 J	630 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	380 U	400 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	380 U	400 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	380 U	400 U
BENZO(A)PYRENE	NA	NA	NA	NA	380 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	380 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	380 U	400 U
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	380 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW12-03	36-GW13-02	36-GW13-03	36-GW14-02	36-OA-SB01-01	36-OA-SB01A-01
DATE SAMPLED	04/23/95	04/24/95	04/24/95	04/24/95	02/22/95	03/09/95
DEPTH	5-7'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	NA	NA	NA	NA	1.9 UJ	20 U
BETA-BHC	NA	NA	NA	NA	1.9 U	20 U
DELTA-BHC	NA	NA	NA	NA	1.9 UJ	20 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	1.9 UJ	20 U
HEPTACHLOR	NA	NA	NA	NA	1.9 U	20 U
ALDRIN	NA	NA	NA	NA	1.9 U	20 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	1.9 U	20 U
ENDOSULFAN I	NA	NA	NA	NA	1.9 U	20 U
DIELDRIN	NA	NA	NA	NA	3.5 J	50
4,4'-DDE	NA	NA	NA	NA	38 J	1700
ENDRIN	NA	NA	NA	NA	3.9 U	40 U
ENDOSULFAN II	NA	NA	NA	NA	3.9 U	40 U
4,4'-DDD	NA	NA	NA	NA	8.9 J	210 J
ENDOSULFAN SULFATE	NA	NA	NA	NA	3.9 U	40 U
4,4'-DDT	NA	NA	NA	NA	18 J	3100
METHOXYCHLOR	NA	NA	NA	NA	19 U	200 U
ENDRIN KETONE	NA	NA	NA	NA	3.9 U	40 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	3.9 U	40 U
ALPHA-CHLORDANE	NA	NA	NA	NA	1.9 U	20 U
GAMMA-CHLORDANE	NA	NA	NA	NA	1.9 U	20 U
TOXAPHENE	NA	NA	NA	NA	190 U	2000 U
AROCLOR-1016	NA	NA	NA	NA	39 U	400 U
AROCLOR-1221	NA	NA	NA	NA	77 U	800 U
AROCLOR-1232	NA	NA	NA	NA	39 U	400 U
AROCLOR-1242	NA	NA	NA	NA	39 U	400 U
AROCLOR-1248	NA	NA	NA	NA	850 J	400 U
AROCLOR-1254	NA	NA	NA	NA	39 U	400 U
AROCLOR-1260	NA	NA	NA	NA	39 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01B-01	36-OA-SB01C-01	36-OA-SB01D-01	36-OA-SB01E-02	36-OA-SB01F-02	36-OA-SB01G-02
DATE SAMPLED	03/09/95	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95
DEPTH	1-3'	1-3'	1-3'	3-5'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	11 U	11 U	11 U	NA	NA	NA
BROMOMETHANE	11 U	11 U	11 U	NA	NA	NA
VINYL CHLORIDE	11 U	11 U	11 U	NA	NA	NA
CHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
METHYLENE CHLORIDE	11 U	11 U	11 U	NA	NA	NA
ACETONE	11 U	11 U	11 U	NA	NA	NA
CARBON DISULFIDE	11 U	11 U	11 U	NA	NA	NA
1,1-DICHLOROETHENE	11 U	11 U	11 U	NA	NA	NA
1,1-DICHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U	11 U	NA	NA	NA
CHLOROFORM	11 U	11 U	11 U	NA	NA	NA
1,2-DICHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
2-BUTANONE	11 U	11 U	11 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
CARBON TETRACHLORIDE	11 U	11 U	11 U	NA	NA	NA
BROMODICHLOROMETHANE	11 U	11 U	11 U	NA	NA	NA
1,2-DICHLOROPROPANE	11 U	11 U	11 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	11 U	11 U	11 U	NA	NA	NA
TRICHLOROETHENE	11 U	11 U	11 U	NA	NA	NA
DIBROMOCHLOROMETHANE	11 U	11 U	11 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
BENZENE	11 U	11 U	11 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	11 U	11 U	11 U	NA	NA	NA
BROMOFORM	11 U	11 U	11 U	NA	NA	NA
4-METHYL-2-PENTANONE	11 U	11 U	11 U	NA	NA	NA
2-HEXANONE	11 U	11 U	11 U	NA	NA	NA
TETRACHLOROETHENE	11 U	11 U	11 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	11 U	11 U	11 U	NA	NA	NA
TOLUENE	11 U	11 U	11 U	NA	NA	NA
CHLOROBENZENE	11 U	11 U	11 U	NA	NA	NA
ETHYLBENZENE	11 U	11 U	11 U	NA	NA	NA
STYRENE	11 U	11 U	11 U	NA	NA	NA
XYLENE (TOTAL)	11 U	11 U	11 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01B-01	36-OA-SB01C-01	36-OA-SB01D-01	36-OA-SB01E-02	36-OA-SB01F-02	36-OA-SB01G-02
DATE SAMPLED	03/09/95	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95
DEPTH	1-3'	1-3'	1-3'	3-5'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	380 U	370 U	380 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	380 U	370 U	380 U	NA	NA	NA
2-CHLOROPHENOL	380 U	370 U	380 U	NA	NA	NA
1,3-DICHLOROBENZENE	380 U	370 U	380 U	NA	NA	NA
1,4-DICHLOROBENZENE	380 U	370 U	380 U	NA	NA	NA
1,2-DICHLOROBENZENE	380 U	370 U	380 U	NA	NA	NA
2-METHYLPHENOL	380 U	370 U	380 U	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	370 U	380 U	NA	NA	NA
4-METHYLPHENOL	380 U	370 U	380 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	380 U	370 U	380 U	NA	NA	NA
HEXACHLOROETHANE	380 U	370 U	380 U	NA	NA	NA
NITROBENZENE	380 U	370 U	380 U	NA	NA	NA
ISOPHORONE	380 U	370 U	380 U	NA	NA	NA
2-NITROPHENOL	380 U	370 U	380 U	NA	NA	NA
2,4-DIMETHYLPHENOL	380 U	370 U	380 U	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	370 U	380 U	NA	NA	NA
2,4-DICHLOROPHENOL	380 U	370 U	380 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	380 U	370 U	380 U	NA	NA	NA
NAPHTHALENE	380 U	370 U	380 U	NA	NA	NA
4-CHLOROANILINE	380 U	370 U	380 U	NA	NA	NA
HEXACHLOROBUTADIENE	380 U	370 U	380 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	380 U	370 U	380 U	NA	NA	NA
2-METHYLNAPHTHALENE	380 U	370 U	380 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	380 U	370 U	380 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	380 U	370 U	380 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	940 U	940 U	940 U	NA	NA	NA
2-CHLORONAPHTHALENE	380 U	370 U	380 U	NA	NA	NA
2-NITROANILINE	940 U	940 U	940 U	NA	NA	NA
DIMETHYLPHTHALATE	380 U	370 U	380 U	NA	NA	NA
ACENAPHTHYLENE	380 U	370 U	380 U	NA	NA	NA
2,6-DINITROTOLUENE	380 U	370 U	380 U	NA	NA	NA
3-NITROANILINE	940 U	940 U	940 U	NA	NA	NA
ACENAPHTHENE	380 U	370 U	380 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01B-01	36-OA-SB01C-01	36-OA-SB01D-01	36-OA-SB01E-02	36-OA-SB01F-02	36-OA-SB01G-02
DATE SAMPLED	03/09/95	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95
DEPTH	1-3'	1-3'	1-3'	3-5'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	940 U	940 U	940 U	NA	NA	NA
4-NITROPHENOL	940 U	940 U	940 U	NA	NA	NA
DIBENZOFURAN	380 U	370 U	380 U	NA	NA	NA
2,4-DINITROTOLUENE	380 U	370 U	380 U	NA	NA	NA
DIETHYLPHTHALATE	380 U	370 U	380 U	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	380 U	370 U	380 U	NA	NA	NA
FLUORENE	380 U	370 U	380 U	NA	NA	NA
4-NITROANILINE	940 U	940 U	940 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	940 U	940 U	940 U	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	380 U	370 U	380 U	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	380 U	370 U	380 U	NA	NA	NA
HEXACHLOROBENZENE	380 U	370 U	380 U	NA	NA	NA
PENTACHLOROPHENOL	940 U	940 U	940 U	NA	NA	NA
PHENANTHRENE	380 U	370 U	380 U	NA	NA	NA
ANTHRACENE	380 U	370 U	380 U	NA	NA	NA
CARBAZOLE	380 U	370 U	380 U	NA	NA	NA
DI-N-BUTYLPHTHALATE	380 U	370 U	380 U	NA	NA	NA
FLUORANTHENE	380 U	370 U	380 U	NA	NA	NA
PYRENE	380 U	370 U	380 U	NA	NA	NA
BUTYLBENZYLPHTHALATE	380 U	370 U	380 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	380 U	370 U	380 U	NA	NA	NA
BENZO(A)ANTHRACENE	380 U	370 U	380 U	NA	NA	NA
CHRYSENE	380 U	370 U	380 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	370 U	380 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	380 U	370 U	380 U	NA	NA	NA
BENZO(B)FLUORANTHENE	380 U	370 U	380 U	NA	NA	NA
BENZO(K)FLUORANTHENE	380 U	370 U	380 U	NA	NA	NA
BENZO(A)PYRENE	380 U	370 U	380 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	380 U	370 U	380 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	380 U	370 U	380 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	370 U	380 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01B-01	36-OA-SB01C-01	36-OA-SB01D-01	36-OA-SB01E-02	36-OA-SB01F-02	36-OA-SB01G-02
DATE SAMPLED	03/09/95	03/09/95	03/09/95	10/09/95	10/09/95	10/09/95
DEPTH	1-3'	1-3'	1-3'	3-5'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
BETA-BHC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
DELTA-BHC	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	2 UJ
GAMMA-BHC (LINDANE)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
HEPTACHLOR	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
ALDRIN	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
HEPTACHLOR EPOXIDE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
ENDOSULFAN I	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
DIELDRIN	12	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
4,4'-DDE	81	21	92	3.8 UJ	3.9 UJ	13 J
ENDRIN	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
ENDOSULFAN II	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
4,4'-DDD	27	13	47 J	3.8 U	2.7 J	180
ENDOSULFAN SULFATE	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
4,4'-DDT	51 J	8.7	30	3.8 U	3.9 U	3.9 J
METHOXYCHLOR	19 U	19 U	19 U	19 UJ	19 UJ	20 UJ
ENDRIN KETONE	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
ENDRIN ALDEHYDE	3.8 U	3.8 U	3.8 U	3.8 U	3.9 U	3.9 U
ALPHA-CHLORDANE	1.9 U	1.9 U	4.5	1.9 U	1.9 U	2 U
GAMMA-CHLORDANE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
TOXAPHENE	190 U	190 U	190 U	190 U	190 U	200 U
AROCLOR-1016	38 U	38 U	38 U	38 U	39 U	39 U
AROCLOR-1221	75 U	75 U	75 U	76 U	77 U	78 U
AROCLOR-1232	38 U	38 U	38 U	38 U	39 U	39 U
AROCLOR-1242	38 U	38 U	38 U	38 U	39 U	39 U
AROCLOR-1248	38 U	38 U	420	19 J	39 U	120
AROCLOR-1254	38 U	38 U	38 U	38 U	39 U	39 U
AROCLOR-1260	38 U	38 U	38 U	38 U	39 U	39 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01H-02	36-OA-SB01I-02	36-OA-SB02-03	36-OA-SB03-03	36-OA-SB04-02	36-OA-SB05-02
DATE SAMPLED	10/09/95	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95
DEPTH	3-5'	3-5'	5-7'	5-7'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	NA	NA	12 U	12 U	12 U	12 U
BROMOMETHANE	NA	NA	12 U	12 U	12 U	12 U
VINYL CHLORIDE	NA	NA	12 U	12 U	12 U	12 U
CHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	NA	NA	12 U	12 U	12 U	12 U
ACETONE	NA	NA	12 U	12 UJ	12 U	12
CARBON DISULFIDE	NA	NA	12 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	NA	NA	12 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	NA	NA	12 U	12 U	12 U	12 U
CHLOROFORM	NA	NA	12 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
2-BUTANONE	NA	NA	12 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
CARBON TETRACHLORIDE	NA	NA	12 U	12 U	12 U	12 U
BROMODICHLOROMETHANE	NA	NA	12 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE	NA	NA	12 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	NA	NA	12 U	12 U	12 U	12 U
TRICHLOROETHENE	NA	NA	12 U	12 U	12 U	12 U
DIBROMOCHLOROMETHANE	NA	NA	12 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
BENZENE	NA	NA	12 U	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	12 U	12 U	12 U	12 U
BROMOFORM	NA	NA	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	NA	NA	12 U	12 U	12 U	12 U
2-HEXANONE	NA	NA	12 U	12 U	12 U	12 U
TETRACHLOROETHENE	NA	NA	12 U	12 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	12 U	12 U	12 U	12 U
TOLUENE	NA	NA	12 U	12 U	12 U	12 U
CHLOROBENZENE	NA	NA	12 U	12 U	12 U	12 U
ETHYLBENZENE	NA	NA	12 U	12 U	12 U	12 U
STYRENE	NA	NA	12 U	12 U	12 U	12 U
XYLENE (TOTAL)	NA	NA	12 U	12 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01H-02	36-OA-SB01I-02	36-OA-SB02-03	36-OA-SB03-03	36-OA-SB04-02	36-OA-SB05-02
DATE SAMPLED	10/09/95	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95
DEPTH	3-5'	3-5'	5-7'	5-7'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	NA	NA	390 U	390 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	390 U	390 U	390 U	400 U
2-CHLOROPHENOL	NA	NA	390 U	390 U	390 U	400 U
1,3-DICHLOROBENZENE	NA	NA	390 U	390 U	390 U	400 U
1,4-DICHLOROBENZENE	NA	NA	390 U	390 U	390 U	400 U
1,2-DICHLOROBENZENE	NA	NA	390 U	390 U	390 U	400 U
2-METHYLPHENOL	NA	NA	390 U	390 U	390 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	390 U	390 U	390 U	400 U
4-METHYLPHENOL	NA	NA	390 U	390 U	390 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	390 U	390 U	390 U	400 U
HEXACHLOROETHANE	NA	NA	390 U	390 U	390 U	400 U
NITROBENZENE	NA	NA	390 U	390 U	390 U	400 U
ISOPHORONE	NA	NA	390 U	390 U	390 U	400 U
2-NITROPHENOL	NA	NA	390 U	390 U	390 U	400 U
2,4-DIMETHYLPHENOL	NA	NA	390 U	390 U	390 U	400 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	390 U	390 U	390 U	400 U
2,4-DICHLOROPHENOL	NA	NA	390 U	390 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	390 U	390 U	390 U	400 U
NAPHTHALENE	NA	NA	390 U	390 U	390 U	400 U
4-CHLOROANILINE	NA	NA	390 U	390 U	390 U	400 UJ
HEXACHLOROBUTADIENE	NA	NA	390 U	390 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	NA	390 U	390 U	390 U	400 U
2-METHYLNAPHTHALENE	NA	NA	390 U	390 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	390 UJ	390 UJ	390 U	400 U
2,4,6-TRICHLOROPHENOL	NA	NA	390 U	390 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	NA	NA	980 U	980 U	970 U	1000 U
2-CHLORONAPHTHALENE	NA	NA	390 U	390 U	390 U	400 U
2-NITROANILINE	NA	NA	980 U	980 U	970 U	1000 U
DIMETHYLPHTHALATE	NA	NA	390 U	390 U	390 U	400 U
ACENAPHTHYLENE	NA	NA	390 U	390 U	390 U	400 U
2,6-DINITROTOLUENE	NA	NA	390 U	390 U	390 U	400 U
3-NITROANILINE	NA	NA	980 U	980 U	970 U	1000 U
ACENAPHTHENE	NA	NA	390 U	390 U	390 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01H-02	36-OA-SB01I-02	36-OA-SB02-03	36-OA-SB03-03	36-OA-SB04-02	36-OA-SB05-02
DATE SAMPLED	10/09/95	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95
DEPTH	3-5'	3-5'	5-7'	5-7'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	NA	NA	980 U	980 U	970 U	1000 U
4-NITROPHENOL	NA	NA	980 U	980 U	970 U	1000 U
DIBENZOFURAN	NA	NA	390 U	390 U	390 U	400 U
2,4-DINITROTOLUENE	NA	NA	390 U	390 U	390 U	400 U
DIETHYLPHTHALATE	NA	NA	390 U	390 U	390 U	400 U
4-CHLOROPHENYL-PHENYLETHER	NA	NA	390 U	390 U	390 U	400 U
FLUORENE	NA	NA	390 U	390 U	390 U	400 U
4-NITROANILINE	NA	NA	980 U	980 U	970 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	980 UJ	980 UJ	970 U	1000 U
N-NITROSODIPHENYLAMINE (1)	NA	NA	390 U	390 U	390 U	400 U
4-BROMOPHENYL-PHENYLETHER	NA	NA	390 U	390 U	390 U	400 U
HEXACHLOROBENZENE	NA	NA	390 U	390 U	390 U	400 U
PENTACHLOROPHENOL	NA	NA	980 U	980 U	970 U	1000 U
PHENANTHRENE	NA	NA	390 U	390 U	390 U	400 U
ANTHRACENE	NA	NA	390 U	390 U	390 U	400 U
CARBAZOLE	NA	NA	390 U	390 U	390 U	400 U
DI-N-BUTYLPHTHALATE	NA	NA	1600 U	2400 U	390 U	400 U
FLUORANTHENE	NA	NA	390 U	390 U	390 U	400 U
PYRENE	NA	NA	390 U	390 U	390 U	400 UJ
BUTYLBENZYLPHTHALATE	NA	NA	390 U	170 J	390 U	400 UJ
3,3'-DICHLOROBENZIDINE	NA	NA	390 U	390 U	390 U	400 UJ
BENZO(A)ANTHRACENE	NA	NA	390 U	390 U	390 U	400 UJ
CHRYSENE	NA	NA	390 U	390 U	390 U	400 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	390 U	390 U	390 U	350 J
DI-N-OCTYL PHTHALATE	NA	NA	390 U	390 UJ	390 U	400 U
BENZO(B)FLUORANTHENE	NA	NA	390 U	390 U	390 U	400 U
BENZO(K)FLUORANTHENE	NA	NA	390 U	390 U	390 U	400 U
BENZO(A)PYRENE	NA	NA	390 U	390 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	NA	390 U	390 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	NA	390 U	390 U	390 U	400 U
BENZO(G,H,I)PERYLENE	NA	NA	390 U	390 U	390 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB01H-02	36-OA-SB01I-02	36-OA-SB02-03	36-OA-SB03-03	36-OA-SB04-02	36-OA-SB05-02
DATE SAMPLED	10/09/95	10/09/95	02/25/95	02/25/95	02/24/95	02/28/95
DEPTH	3-5'	3-5'	5-7'	5-7'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	2.1 U	2 U	2 U	1.9 U	1.9 UJ	2 U
BETA-BHC	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
DELTA-BHC	2.1 UJ	2 UJ	2 U	1.9 U	1.9 U	2 U
GAMMA-BHC (LINDANE)	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
HEPTACHLOR	2.1 U	2 U	2 U	1.9 UJ	1.9 U	2 U
ALDRIN	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
HEPTACHLOR EPOXIDE	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
ENDOSULFAN I	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
DIELDRIN	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
4,4'-DDE	4.1 UJ	3.2 J	3.9 U	200	3.9 U	4 U
ENDRIN	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
ENDOSULFAN II	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
4,4'-DDD	4.1 U	4	3.9 U	430 J	3.9 U	4 U
ENDOSULFAN SULFATE	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
4,4'-DDT	5.4 J	2.8 J	3.9 U	220	3.9 U	4 U
METHOXYCHLOR	21 UJ	20 UJ	20 U	19 UJ	19 U	20 UJ
ENDRIN KETONE	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
ENDRIN ALDEHYDE	4.1 U	4 U	3.9 U	3.8 U	3.9 U	4 U
ALPHA-CHLORDANE	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
GAMMA-CHLORDANE	2.1 U	2 U	2 U	1.9 U	1.9 U	2 U
TOXAPHENE	210 U	200 U	200 U	190 U	190 U	200 U
AROCLOR-1016	41 U	40 U	39 U	38 U	39 U	40 U
AROCLOR-1221	83 U	81 U	78 U	77 U	77 U	80 U
AROCLOR-1232	41 U	40 U	39 U	38 U	39 U	40 U
AROCLOR-1242	41 U	40 U	39 U	38 U	39 U	40 U
AROCLOR-1248	41 U	35 J	39 U	38 U	39 U	40 U
AROCLOR-1254	41 U	40 U	39 U	38 U	39 U	40 U
AROCLOR-1260	41 U	40 U	39 U	38 U	39 U	40 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB06-02	36-OA-SB07-01	36-OA-SB08-01	36-OF-SB01-04	36-OF-SB02-02	36-OF-SB03-03
DATE SAMPLED	02/27/95	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95
DEPTH	3-5'	1-3'	1-3'	7-9'	3-5'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	12 U	12 U	12 U	12 U	12 U	12 U
BROMOMETHANE	12 U	12 U	12 U	12 U	12 U	12 U
VINYL CHLORIDE	12 U	12 U	12 U	12 U	12 U	12 U
CHLOROETHANE	12 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	12 U	12 U	12 U	12 U	12 U	12 U
ACETONE	12 U	12 U	12 U	12 U	12 U	12 U
CARBON DISULFIDE	12 U	12 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHENE	12 U	12 U	12 U	12 U	12 U	12 U
1,1-DICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	12 U	12 U	12 U	12 U	12 U	12 U
CHLOROFORM	12 U	12 U	12 U	12 U	12 U	12 U
1,2-DICHLOROETHANE	12 U	12 U	12 U	12 U	12 U	12 U
2-BUTANONE	12 U	12 U	12 U	12 U	12 U	12 U
1,1,1-TRICHLOROETHANE	12 U	12 UJ	12 U	12 U	12 U	12 U
CARBON TETRACHLORIDE	12 U	12 UJ	12 U	12 U	12 U	12 U
BROMODICHLOROMETHANE	12 U	12 UJ	12 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE	12 U	12 UJ	12 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	12 U	12 UJ	12 U	12 U	12 U	12 U
TRICHLOROETHENE	12 U	12 UJ	12 U	12 UJ	12 U	12 U
DIBROMOCHLOROMETHANE	12 U	12 UJ	12 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE	12 U	12 UJ	12 U	12 U	12 U	12 U
BENZENE	12 U	12 UJ	12 U	12 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	12 U	12 UJ	12 U	12 U	12 U	12 U
BROMOFORM	12 U	12 UJ	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
2-HEXANONE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
TETRACHLOROETHENE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
TOLUENE	12 UJ	12 UJ	12 U	10 J	5 J	13
CHLOROBENZENE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
ETHYLBENZENE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
STYRENE	12 UJ	12 UJ	12 U	12 U	12 U	12 U
XYLENE (TOTAL)	5 J	4 J	12 U	12 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB06-02	36-OA-SB07-01	36-OA-SB08-01	36-OF-SB01-04	36-OF-SB02-02	36-OF-SB03-03
DATE SAMPLED	02/27/95	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95
DEPTH	3-5'	1-3'	1-3'	7-9'	3-5'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	380 U	410 U	390 U	400 U	380 U	380 U
BIS(2-CHLOROETHYL)ETHER	380 U	410 U	390 U	400 U	380 U	380 U
2-CHLOROPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
1,3-DICHLOROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
1,4-DICHLOROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
1,2-DICHLOROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
2-METHYLPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	410 U	390 U	400 U	380 U	380 U
4-METHYLPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	410 U	390 U	400 U	380 U	380 U
HEXACHLOROETHANE	380 U	410 U	390 U	400 U	380 U	380 U
NITROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
ISOPHORONE	380 U	410 U	390 U	400 U	380 U	380 U
2-NITROPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
2,4-DIMETHYLPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
BIS(2-CHLOROETHOXY)METHANE	380 U	410 U	390 U	400 U	380 U	380 U
2,4-DICHLOROPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
1,2,4-TRICHLOROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
NAPHTHALENE	380 U	410 U	390 U	400 U	380 U	380 U
4-CHLOROANILINE	380 UJ	410 U	390 U	400 U	380 U	380 U
HEXACHLOROBUTADIENE	380 U	410 U	390 U	400 U	380 U	380 U
4-CHLORO-3-METHYLPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
2-METHYLNAPHTHALENE	380 U	410 U	390 U	400 U	380 U	380 U
HEXACHLOROCYCLOPENTADIENE	380 U	410 U	390 U	400 U	380 U	380 U
2,4,6-TRICHLOROPHENOL	380 U	410 U	390 U	400 U	380 U	380 U
2,4,5-TRICHLOROPHENOL	950 U	1000 U	980 U	1000 U	950 U	950 U
2-CHLORONAPHTHALENE	380 U	410 U	390 U	400 U	380 U	380 U
2-NITROANILINE	950 U	1000 U	980 U	1000 U	950 U	950 U
DIMETHYLPHTHALATE	380 U	410 U	390 U	400 U	380 U	380 U
ACENAPHTHYLENE	380 U	410 U	390 U	400 U	380 U	380 U
2,6-DINITROTOLUENE	380 U	410 U	390 U	400 U	380 U	380 U
3-NITROANILINE	950 U	1000 U	980 U	1000 U	950 U	950 U
ACENAPHTHENE	380 U	410 U	390 U	400 U	380 U	380 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB06-02	36-OA-SB07-01	36-OA-SB08-01	36-OF-SB01-04	36-OF-SB02-02	36-OF-SB03-03
DATE SAMPLED	02/27/95	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95
DEPTH	3-5'	1-3'	1-3'	7-9'	3-5'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	950 U	1000 U	980 U	1000 U	950 U	950 U
4-NITROPHENOL	950 U	1000 U	980 U	1000 U	950 U	950 U
DIBENZOFURAN	380 U	410 U	390 U	400 U	380 U	380 U
2,4-DINITROTOLUENE	380 U	410 U	390 U	400 U	380 U	380 U
DIETHYLPHTHALATE	380 U	410 U	390 U	400 U	380 U	380 U
4-CHLOROPHENYL-PHENYLETHER	380 U	410 U	390 U	400 U	380 U	380 U
FLUORENE	380 U	410 U	390 U	400 U	380 U	380 U
4-NITROANILINE	950 U	1000 U	980 U	1000 U	950 U	950 U
4,6-DINITRO-2-METHYLPHENOL	950 U	1000 U	980 U	1000 U	950 U	950 UJ
N-NITROSODIPHENYLAMINE (1)	380 U	410 U	390 U	400 U	380 U	380 U
4-BROMOPHENYL-PHENYLETHER	380 U	410 U	390 U	400 U	380 U	380 U
HEXACHLOROBENZENE	380 U	410 U	390 U	400 U	380 U	380 U
PENTACHLOROPHENOL	950 U	1000 U	980 U	1000 U	950 U	950 U
PHENANTHRENE	380 U	190 J	390 U	400 U	380 U	380 U
ANTHRACENE	380 U	410 U	390 U	400 U	380 U	380 U
CARBAZOLE	380 U	410 U	390 U	400 U	380 U	380 U
DI-N-BUTYLPHTHALATE	380 U	410 U	390 U	400 U	380 U	2300 U
FLUORANTHENE	380 U	320 J	390 U	400 U	380 U	380 U
PYRENE	380 U	320 J	390 U	400 U	380 U	380 U
BUTYLBENZYLPHTHALATE	380 U	410 UJ	390 U	42 J	380 U	110 J
3,3'-DICHLOROBENZIDINE	380 U	410 UJ	390 U	400 U	380 U	380 U
BENZO(A)ANTHRACENE	380 U	140 J	390 U	400 U	380 U	380 U
CHRYSENE	380 U	200 J	390 U	400 U	380 U	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	140 J	390 U	63 J	380 U	380 U
DI-N-OCTYL PHTHALATE	380 U	410 U	390 U	400 U	380 U	380 U
BENZO(B)FLUORANTHENE	380 U	170 J	390 U	400 U	380 U	380 U
BENZO(K)FLUORANTHENE	380 U	68 J	390 U	400 U	380 U	380 U
BENZO(A)PYRENE	380 U	83 J	390 U	400 U	380 U	380 U
INDENO(1,2,3-CD)PYRENE	380 U	110 J	390 U	400 U	380 U	380 U
DIBENZO(A,H)ANTHRACENE	380 U	410 U	390 U	400 U	380 U	380 U
BENZO(G,H,I)PERYLENE	380 U	89 J	390 U	400 U	380 U	380 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB06-02	36-OA-SB07-01	36-OA-SB08-01	36-OF-SB01-04	36-OF-SB02-02	36-OF-SB03-03
DATE SAMPLED	02/27/95	02/24/95	02/27/95	02/21/95	02/21/95	02/21/95
DEPTH	3-5'	1-3'	1-3'	7-9'	3-5'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	1.9 UJ	2 UJ	2 UJ	2 UJ	1.9 UJ	1.9 UJ
BETA-BHC	1.9 UJ	2 U	2 UJ	2 U	1.9 UJ	1.9 UJ
DELTA-BHC	1.9 UJ	2 U	2 UJ	2 UJ	1.9 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	1.9 UJ	2 U	2 UJ	2 UJ	1.9 UJ	1.9 UJ
HEPTACHLOR	1.9 UJ	2 U	2 UJ	2 U	1.9 UJ	1.9 UJ
ALDRIN	1.9 UJ	2 U	2 UJ	2 U	1.9 UJ	1.5 J
HEPTACHLOR EPOXIDE	1.9 UJ	2 U	2 UJ	2 U	1.9 UJ	1.9 UJ
ENDOSULFAN I	1.9 UJ	2 U	2 UJ	2 U	1.9 UJ	1.9 UJ
DIELDRIN	3.7 UJ	4.1 U	4 UJ	4 U	12 J	22 J
4,4'-DDE	3.7 UJ	450 J	35 J	4 UJ	3.7 UJ	3.7 UJ
ENDRIN	3.7 UJ	4.1 J	4 UJ	4 U	3.7 UJ	3.7 UJ
ENDOSULFAN II	3.7 UJ	4.1 U	4 UJ	4 U	3.7 UJ	3.7 UJ
4,4'-DDD	3.7 UJ	430 J	15 J	4 U	3.7 UJ	3.7 UJ
ENDOSULFAN SULFATE	3.7 UJ	4.1 U	4 UJ	4 U	3.7 UJ	3.7 UJ
4,4'-DDT	3.7 UJ	56	18 J	4 U	3.7 UJ	3.7 UJ
METHOXYCHLOR	19 UJ	20 U	20 UJ	20 U	19 UJ	19 UJ
ENDRIN KETONE	3.7 UJ	4.1 U	4 UJ	4 U	3.7 UJ	3.7 UJ
ENDRIN ALDEHYDE	3.7 UJ	4.1 U	4 UJ	4 U	3.7 UJ	3.7 UJ
ALPHA-CHLORDANE	1.9 UJ	4.1 J	20 J	2 U	1.9 UJ	1.9 UJ
GAMMA-CHLORDANE	1.9 UJ	5.7 J	17 J	2 U	1.9 UJ	1.9 UJ
TOXAPHENE	190 UJ	200 U	200 UJ	200 U	190 UJ	190 UJ
AROCLOR-1016	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ
AROCLOR-1221	75 UJ	81 U	79 UJ	80 U	74 UJ	74 UJ
AROCLOR-1232	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ
AROCLOR-1242	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ
AROCLOR-1248	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ
AROCLOR-1254	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ
AROCLOR-1260	37 UJ	41 U	40 UJ	40 U	37 UJ	37 UJ

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04-04	36-OF-SB05-06	36-OF-SB06-03	36-OF-SB06A-01	36-OF-SB06B-02	36-OF-SB06C-02
DATE SAMPLED	02/22/95	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95
DEPTH	7-9'		5-7'	1-3'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	13 U	12 U	13 U	12 U	13 U	12 U
BROMOMETHANE	13 U	12 U	13 U	12 U	13 U	12 U
VINYL CHLORIDE	13 U	12 U	13 U	12 U	13 U	12 U
CHLOROETHANE	13 U	12 U	13 U	12 U	13 U	12 U
METHYLENE CHLORIDE	13 U	12 U	13 U	12 U	13 U	12 U
ACETONE	120 U	24	14 U	12 U	13 U	12 U
CARBON DISULFIDE	13 U	12 U	13 U	12 U	13 U	12 U
1,1-DICHLOROETHENE	13 U	12 U	13 U	12 U	13 U	12 U
1,1-DICHLOROETHANE	13 U	12 U	13 U	12 U	13 U	12 U
1,2-DICHLOROETHENE (TOTAL)	13 U	12 U	13 U	12 U	13 U	12 U
CHLOROFORM	13 U	12 U	13 U	12 U	13 U	12 U
1,2-DICHLOROETHANE	13 U	12 U	13 U	12 U	13 U	12 U
2-BUTANONE	13 U	12 U	13 U	12 U	13 U	12 U
1,1,1-TRICHLOROETHANE	13 U	12 U	13 U	12 U	13 U	12 U
CARBON TETRACHLORIDE	13 U	12 U	13 U	12 U	13 U	12 U
BROMODICHLOROMETHANE	13 U	12 U	13 U	12 U	13 U	12 U
1,2-DICHLOROPROPANE	13 U	12 U	13 U	12 U	13 U	12 U
CIS-1,3-DICHLOROPROPENE	13 U	12 U	13 U	12 U	13 U	12 U
TRICHLOROETHENE	13 U	12 U	13 UJ	12 U	13 U	12 U
DIBROMOCHLOROMETHANE	13 U	12 U	13 U	12 U	13 U	12 U
1,1,2-TRICHLOROETHANE	13 U	12 U	13 U	12 U	13 U	12 U
BENZENE	13 U	12 U	13 U	12 U	13 U	12 U
TRANS-1,3-DICHLOROPROPENE	13 U	12 U	13 U	12 U	13 U	12 U
BROMOFORM	13 U	12 U	13 U	12 U	13 U	12 U
4-METHYL-2-PENTANONE	13 U	12 U	13 U	12 UJ	13 U	12 U
2-HEXANONE	13 U	12 U	13 U	12 UJ	13 U	12 U
TETRACHLOROETHENE	13 U	12 U	13 U	12 UJ	13 U	12 U
1,1,2,2-TETRACHLOROETHANE	13 U	12 U	13 U	12 UJ	13 U	12 U
TOLUENE	13 U	14	17	12 UJ	13 U	12 U
CHLOROBENZENE	13 U	12 U	13 U	12 UJ	13 U	12 U
ETHYLBENZENE	13 U	12 U	13 U	12 UJ	13 U	12 U
STYRENE	13 U	12 U	13 U	12 UJ	13 U	12 U
XYLENE (TOTAL)	13 U	12 U	13 U	4 J	13 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04-04	36-OF-SB05-06	36-OF-SB06-03	36-OF-SB06A-01	36-OF-SB06B-02	36-OF-SB06C-02
DATE SAMPLED	02/22/95	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95
DEPTH	7-9'		5-7'	1-3'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	430 U	390 U	430 U	390 U	410 U	390 U
BIS(2-CHLOROETHYL)ETHER	430 U	390 U	430 U	390 U	410 U	390 U
2-CHLOROPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
1,3-DICHLOROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
1,4-DICHLOROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
1,2-DICHLOROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
2-METHYLPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	390 U	430 U	390 U	410 U	390 UJ
4-METHYLPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	430 U	390 U	430 U	390 U	410 U	390 U
HEXACHLOROETHANE	430 U	390 U	430 U	390 U	410 U	390 U
NITROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
ISOPHORONE	430 U	390 U	430 U	390 U	410 U	390 U
2-NITROPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
2,4-DIMETHYLPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
BIS(2-CHLOROETHOXY)METHANE	430 U	390 U	430 U	390 U	410 U	390 U
2,4-DICHLOROPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
1,2,4-TRICHLOROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
NAPHTHALENE	430 U	390 U	430 U	390 U	410 U	390 U
4-CHLOROANILINE	430 U	390 U	430 U	390 U	410 U	390 U
HEXACHLOROBUTADIENE	430 U	390 U	430 U	390 U	410 U	390 U
4-CHLORO-3-METHYLPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
2-METHYLNAPHTHALENE	430 U	390 U	430 U	390 U	410 U	390 U
HEXACHLOROCYCLOPENTADIENE	430 U	390 U	430 U	390 UJ	410 U	390 U
2,4,6-TRICHLOROPHENOL	430 U	390 U	430 U	390 U	410 U	390 U
2,4,5-TRICHLOROPHENOL	1100 U	960 U	1100 U	970 U	1000 U	960 U
2-CHLORONAPHTHALENE	430 U	390 U	430 U	390 U	410 U	390 U
2-NITROANILINE	1100 U	960 U	1100 U	970 U	1000 U	960 U
DIMETHYLPHTHALATE	430 U	390 U	430 U	390 U	410 U	390 U
ACENAPHTHYLENE	430 U	390 U	430 U	390 U	410 U	390 U
2,6-DINITROTOLUENE	430 U	390 U	430 U	390 U	410 U	390 U
3-NITROANILINE	1100 U	960 U	1100 U	970 U	1000 U	960 U
ACENAPHTHENE	430 U	390 U	430 U	390 U	410 U	390 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04-04	36-OF-SB05-06	36-OF-SB06-03	36-OF-SB06A-01	36-OF-SB06B-02	36-OF-SB06C-02
DATE SAMPLED	02/22/95	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95
DEPTH	7-9'		5-7'	1-3'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	1100 U	960 U	1100 U	970 U	1000 U	960 U
4-NITROPHENOL	1100 U	960 U	1100 U	970 U	1000 U	960 U
DIBENZOFURAN	430 U	390 U	430 U	390 U	410 U	390 U
2,4-DINITROTOLUENE	430 U	390 U	430 U	390 U	410 U	390 U
DIETHYLPHTHALATE	430 U	390 U	430 U	390 U	410 U	390 U
4-CHLOROPHENYL-PHENYLETHER	430 U	390 U	430 U	390 U	410 U	390 U
FLUORENE	430 U	390 U	430 U	390 U	410 U	390 U
4-NITROANILINE	1100 U	960 U	1100 U	970 U	1000 U	960 U
4,6-DINITRO-2-METHYLPHENOL	1100 U	960 UJ	1100 U	970 U	1000 U	960 U
N-NITROSODIPHENYLAMINE (1)	430 U	390 U	430 U	390 U	410 U	390 U
4-BROMOPHENYL-PHENYLETHER	430 U	390 U	430 U	390 U	410 U	390 U
HEXACHLOROBENZENE	430 U	390 U	430 U	390 U	410 U	390 U
PENTACHLOROPHENOL	1100 U	960 U	1100 U	970 U	1000 U	960 U
PHENANTHRENE	430 U	390 U	430 U	390 U	410 U	390 U
ANTHRACENE	430 U	390 U	430 U	390 U	410 U	390 U
CARBAZOLE	430 U	390 U	430 U	390 U	410 U	390 U
DI-N-BUTYLPHTHALATE	430 U	1900 U	430 U	390 U	1400 U	1000 U
FLUORANTHENE	430 U	390 U	430 U	390 U	410 U	390 U
PYRENE	430 U	390 U	430 U	390 U	410 U	390 U
BUTYLBENZYLPHTHALATE	430 U	390 U	430 U	390 U	410 U	390 U
3,3'-DICHLOROBENZIDINE	430 U	390 U	430 U	390 U	410 U	390 U
BENZO(A)ANTHRACENE	430 U	390 U	430 U	390 U	410 U	390 U
CHRYSENE	430 U	390 U	430 U	390 U	410 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	76 J	120 J	97 J	200 J	410 U	390 U
DI-N-OCTYL PHTHALATE	430 U	390 U	430 U	390 U	410 U	390 U
BENZO(B)FLUORANTHENE	44 J	390 U	430 U	390 U	410 U	390 U
BENZO(K)FLUORANTHENE	430 U	390 U	430 U	390 U	410 U	390 U
BENZO(A)PYRENE	430 U	390 U	430 U	390 U	410 U	390 U
INDENO(1,2,3-CD)PYRENE	430 U	390 U	430 U	390 U	410 U	390 U
DIBENZO(A,H)ANTHRACENE	430 U	390 U	430 U	390 U	410 U	390 U
BENZO(G,H,I)PERYLENE	430 U	390 U	430 U	390 U	410 U	390 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB04-04	36-OF-SB05-06	36-OF-SB06-03	36-OF-SB06A-01	36-OF-SB06B-02	36-OF-SB06C-02
DATE SAMPLED	02/22/95	02/21/95	02/21/95	03/09/95	03/09/95	03/09/95
DEPTH	7-9'		5-7'	1-3'	3-5'	3-5'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
ALPHA-BHC	2.2 UJ	1.9 UJ	2.2 UJ	1.9 UJ	2.1 UJ	1.9 UJ
BETA-BHC	2.2 UJ	1.9 UJ	2.2 U	1.9 UJ	2.1 UJ	1.9 UJ
DELTA-BHC	2.2 UJ	1.9 UJ	2.2 UJ	1.9 UJ	2.1 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	2.2 UJ	1.9 UJ	2.2 UJ	1.9 UJ	2.1 UJ	1.9 UJ
HEPTACHLOR	2.2 UJ	1.9 UJ	2.2 U	1.9 UJ	2.1 UJ	1.9 UJ
ALDRIN	2.2 UJ	1.9 UJ	2.2 U	1.9 UJ	2.1 UJ	1.9 UJ
HEPTACHLOR EPOXIDE	2.2 UJ	1.9 UJ	2.2 U	1.9 UJ	2.1 UJ	1.9 UJ
ENDOSULFAN I	2.2 UJ	1.9 UJ	2.2 U	1.9 UJ	2.1 UJ	1.9 UJ
DIELDRIN	2.2 J	3.8 UJ	4.4 U	16 J	4.5 J	3.1 J
4,4'-DDE	3.9 J	2.3 J	12 J	230 J	650 J	14 J
ENDRIN	4.3 UJ	3.8 UJ	4.4 U	3.1 J	5 J	3.9 UJ
ENDOSULFAN II	4.3 UJ	3.8 UJ	4.4 U	3.9 UJ	2 J	3.9 UJ
4,4'-DDD	3 J	2.3 J	28	180	190	41 J
ENDOSULFAN SULFATE	4.3 UJ	3.8 UJ	4.4 U	3.9 UJ	4.1 UJ	3.9 UJ
4,4'-DDT	3 J	3.8 UJ	4.4 J	18 J	8.3 J	21 J
METHOXYCHLOR	22 UJ	19 UJ	22 U	19 UJ	21 UJ	19 UJ
ENDRIN KETONE	4.3 UJ	3.8 UJ	4.4 U	3.9 UJ	4.1 UJ	3.9 UJ
ENDRIN ALDEHYDE	4.3 UJ	3.8 UJ	4.4 U	3.5 J	4.1 J	3.9 UJ
ALPHA-CHLORDANE	2.2 UJ	1.9 UJ	2.2 U	5.1 J	1.7 J	1.9 UJ
GAMMA-CHLORDANE	2.2 UJ	1.9 UJ	2.2 U	3.1 J	2.1 UJ	1.9 UJ
TOXAPHENE	220 UJ	190 UJ	220 U	190 UJ	210 UJ	190 UJ
AROCLOR-1016	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ
AROCLOR-1221	86 UJ	76 UJ	87 U	78 UJ	83 UJ	77 UJ
AROCLOR-1232	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ
AROCLOR-1242	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ
AROCLOR-1248	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ
AROCLOR-1254	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ
AROCLOR-1260	43 UJ	38 UJ	44 U	39 UJ	41 UJ	39 UJ

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB06D-02
DATE SAMPLED	03/09/95
DEPTH	3-5'
UNITS	UG/KG
VOLATILES	
CHLOROMETHANE	12 U
BROMOMETHANE	12 U
VINYL CHLORIDE	12 U
CHLOROETHANE	12 U
METHYLENE CHLORIDE	12 U
ACETONE	12 U
CARBON DISULFIDE	12 U
1,1-DICHLOROETHENE	12 U
1,1-DICHLOROETHANE	12 U
1,2-DICHLOROETHENE (TOTAL)	12 U
CHLOROFORM	12 U
1,2-DICHLOROETHANE	12 U
2-BUTANONE	12 U
1,1,1-TRICHLOROETHANE	12 U
CARBON TETRACHLORIDE	12 U
BROMODICHLOROMETHANE	12 U
1,2-DICHLOROPROPANE	12 U
CIS-1,3-DICHLOROPROPENE	12 U
TRICHLOROETHENE	12 U
DIBROMOCHLOROMETHANE	12 U
1,1,2-TRICHLOROETHANE	12 U
BENZENE	12 U
TRANS-1,3-DICHLOROPROPENE	12 U
BROMOFORM	12 U
4-METHYL-2-PENTANONE	12 U
2-HEXANONE	12 U
TETRACHLOROETHENE	12 U
1,1,2,2-TETRACHLOROETHANE	12 U
TOLUENE	12 U
CHLOROBENZENE	12 U
ETHYLBENZENE	12 U
STYRENE	12 U
XYLENE (TOTAL)	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB06D-02
DATE SAMPLED	03/09/95
DEPTH	3-5'
UNITS	UG/KG
SEMIVOLATILES	
PHENOL	410 U
BIS(2-CHLOROETHYL)ETHER	410 U
2-CHLOROPHENOL	410 U
1,3-DICHLOROBENZENE	410 U
1,4-DICHLOROBENZENE	410 U
1,2-DICHLOROBENZENE	410 U
2-METHYLPHENOL	410 U
2,2'-OXYBIS(1-CHLOROPROPANE)	410 UJ
4-METHYLPHENOL	410 U
N-NITROSO-DI-N-PROPYLAMINE	410 U
HEXACHLOROETHANE	410 U
NITROBENZENE	410 U
ISOPHORONE	410 U
2-NITROPHENOL	410 U
2,4-DIMETHYLPHENOL	410 U
BIS(2-CHLOROETHOXY)METHANE	410 U
2,4-DICHLOROPHENOL	410 U
1,2,4-TRICHLOROBENZENE	410 U
NAPHTHALENE	410 U
4-CHLOROANILINE	410 U
HEXACHLOROBUTADIENE	410 U
4-CHLORO-3-METHYLPHENOL	410 U
2-METHYLNAPHTHALENE	410 U
HEXACHLOROCYCLOPENTADIENE	410 U
2,4,6-TRICHLOROPHENOL	410 U
2,4,5-TRICHLOROPHENOL	1000 U
2-CHLORONAPHTHALENE	410 U
2-NITROANILINE	1000 U
DIMETHYLPHTHALATE	410 U
ACENAPHTHYLENE	410 U
2,6-DINITROTOLUENE	410 U
3-NITROANILINE	1000 U
ACENAPHTHENE	410 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB06D-02
DATE SAMPLED	03/09/95
DEPTH	3-5'
UNITS	UG/KG
SEMIVOLATILES cont.	
2,4-DINITROPHENOL	1000 U
4-NITROPHENOL	1000 U
DIBENZOFURAN	410 U
2,4-DINITROTOLUENE	410 U
DIETHYLPHTHALATE	410 U
4-CHLOROPHENYL-PHENYLETHER	410 U
FLUORENE	410 U
4-NITROANILINE	1000 U
4,6-DINITRO-2-METHYLPHENOL	1000 U
N-NITROSODIPHENYLAMINE (1)	410 U
4-BROMOPHENYL-PHENYLETHER	410 U
HEXACHLOROBENZENE	410 U
PENTACHLOROPHENOL	1000 U
PHENANTHRENE	48 J
ANTHRACENE	410 U
CARBAZOLE	410 U
DI-N-BUTYLPHTHALATE	1000 U
FLUORANTHENE	130 J
PYRENE	120 J
BUTYLBENZYLPHTHALATE	410 U
3,3'-DICHLOROBENZIDINE	410 U
BENZO(A)ANTHRACENE	69 J
CHRYSENE	110 J
BIS(2-ETHYLHEXYL)PHTHALATE	410 U
DI-N-OCTYL PHTHALATE	410 U
BENZO(B)FLUORANTHENE	110 J
BENZO(K)FLUORANTHENE	42 J
BENZO(A)PYRENE	72 J
INDENO(1,2,3-CD)PYRENE	48 J
DIBENZO(A,H)ANTHRACENE	410 U
BENZO(G,H,I)PERYLENE	410 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OF-SB06D-02
DATE SAMPLED	03/09/95
DEPTH	3-5'
UNITS	UG/KG
PESTICIDE/PCBs	
ALPHA-BHC	2 U
BETA-BHC	2 U
DELTA-BHC	2 U
GAMMA-BHC (LINDANE)	4
HEPTACHLOR	2 U
ALDRIN	2 U
HEPTACHLOR EPOXIDE	2 U
ENDOSULFAN I	2 U
DIELDRIN	11
4,4'-DDE	220 J
ENDRIN	4 U
ENDOSULFAN II	4 U
4,4'-DDD	110
ENDOSULFAN SULFATE	4 U
4,4'-DDT	82
METHOXYCHLOR	20 U
ENDRIN KETONE	4 U
ENDRIN ALDEHYDE	4 U
ALPHA-CHLORDANE	1.6 J
GAMMA-CHLORDANE	2 U
TOXAPHENE	200 U
AROCLOR-1016	40 U
AROCLOR-1221	80 U
AROCLOR-1232	40 U
AROCLOR-1242	40 U
AROCLOR-1248	40 U
AROCLOR-1254	40 U
AROCLOR-1260	40 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
CHLOROMETHANE	11 U	25 UJ	ND	ND		0/62
BROMOMETHANE	11 U	25 UJ	ND	ND		0/62
VINYL CHLORIDE	11 U	25 UJ	ND	ND		0/62
CHLOROETHANE	11 U	25 UJ	ND	ND		0/62
METHYLENE CHLORIDE	11 U	25 UJ	ND	ND		0/62
ACETONE	11 U	700 B	12	480 J	36-GS-SB03-02	8/62
CARBON DISULFIDE	11 U	25 UJ	ND	ND		0/62
1,1-DICHLOROETHENE	11 U	25 UJ	ND	ND		0/62
1,1-DICHLOROETHANE	11 U	25 UJ	ND	ND		0/62
1,2-DICHLOROETHENE (TOTAL)	11 U	25 UJ	4 J	4 J	36-OA-SB01-01	1/62
CHLOROFORM	11 U	25 UJ	ND	ND		0/62
1,2-DICHLOROETHANE	11 U	25 UJ	ND	ND		0/62
2-BUTANONE	11 U	14 U	10 J	170 J	36-GS-SB03-02	3/62
1,1,1-TRICHLOROETHANE	11 U	25 UJ	ND	ND		0/62
CARBON TETRACHLORIDE	11 U	25 UJ	ND	ND		0/62
BROMODICHLOROMETHANE	11 U	25 UJ	ND	ND		0/62
1,2-DICHLOROPROPANE	11 U	25 UJ	ND	ND		0/62
CIS-1,3-DICHLOROPROPENE	11 U	25 UJ	ND	ND		0/62
TRICHLOROETHENE	11 U	25 UJ	3 J	5 J	36-FDA-SB01-02	3/62
DIBROMOCHLOROMETHANE	11 U	25 UJ	ND	ND		0/62
1,1,2-TRICHLOROETHANE	11 U	25 UJ	ND	ND		0/62
BENZENE	11 U	25 UJ	3 J	3 J	36-FDA-SB01-02	1/62
TRANS-1,3-DICHLOROPROPENE	11 U	25 UJ	ND	ND		0/62
BROMOFORM	11 U	25 UJ	ND	ND		0/62
4-METHYL-2-PENTANONE	11 U	25 UJ	ND	ND		0/62
2-HEXANONE	11 U	25 UJ	ND	ND		0/62
TETRACHLOROETHENE	11 U	25 UJ	ND	ND		0/62
1,1,2,2-TETRACHLOROETHANE	11 U	25 UJ	ND	ND		0/62
TOLUENE	11 U	25 UJ	5 J	17	36-OF-SB06-03	5/62
CHLOROBENZENE	11 U	25 UJ	ND	ND		0/62
ETHYLBENZENE	11 U	25 UJ	ND	ND		0/62
STYRENE	11 U	25 UJ	ND	ND		0/62
XYLENE (TOTAL)	11 U	25 UJ	2 J	6 J	36-FDA-SB06-07	8/62

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
PHENOL	370 U	830 U	ND	ND		0/57
BIS(2-CHLOROETHYL)ETHER	370 U	830 U	ND	ND		0/57
2-CHLOROPHENOL	370 U	830 U	ND	ND		0/57
1,3-DICHLOROBENZENE	370 U	830 U	ND	ND		0/57
1,4-DICHLOROBENZENE	370 U	830 U	97 J	97 J	36-DAB-SB02-02	1/57
1,2-DICHLOROBENZENE	370 U	830 U	ND	ND		0/57
2-METHYLPHENOL	370 U	830 U	510 J	510 J	36-DAB-SB01-01	1/58
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	830 U	ND	ND		0/57
4-METHYLPHENOL	370 U	830 U	43 J	43 J	36-DAB-SB01-01	1/58
N-NITROSO-DI-N-PROPYLAMINE	370 U	830 U	ND	ND		0/57
HEXACHLOROETHANE	370 U	830 U	ND	ND		0/57
NITROBENZENE	370 U	830 U	ND	ND		0/57
ISOPHORONE	370 U	830 U	2100	2100	36-DAB-SB01-01	1/58
2-NITROPHENOL	370 U	830 U	ND	ND		0/57
2,4-DIMETHYLPHENOL	370 U	830 U	ND	ND		0/57
BIS(2-CHLOROETHOXY)METHANE	370 U	830 U	ND	ND		0/57
2,4-DICHLOROPHENOL	370 U	830 U	ND	ND		0/57
1,2,4-TRICHLOROBENZENE	370 U	830 U	ND	ND		0/57
NAPHTHALENE	370 U	830 U	41 J	41 J	36-OA-SB01A-01	1/57
4-CHLOROANILINE	370 U	830 U	ND	ND		0/57
HEXACHLOROBUTADIENE	370 U	830 U	ND	ND		0/57
4-CHLORO-3-METHYLPHENOL	370 U	830 U	ND	ND		0/57
2-METHYLNAPHTHALENE	370 U	830 U	65 J	85 J	36-FDA-SB02-04	2/57
HEXACHLOROCYCLOPENTADIENE	370 U	830 U	ND	ND		0/57
2,4,6-TRICHLOROPHENOL	370 U	830 U	ND	ND		0/57
2,4,5-TRICHLOROPHENOL	920 U	2100 U	ND	ND		0/57
2-CHLORONAPHTHALENE	370 U	830 U	ND	ND		0/57
2-NITROANILINE	920 U	2100 U	ND	ND		0/57
DIMETHYLPHTHALATE	370 U	830 U	ND	ND		0/57
ACENAPHTHYLENE	370 U	830 U	ND	ND		0/57
2,6-DINITROTOLUENE	370 U	830 U	ND	ND		0/57
3-NITROANILINE	920 U	2100 U	ND	ND		0/57
ACENAPHTHENE	370 U	830 U	ND	ND		0/57

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
2,4-DINITROPHENOL	920 UJ	2100 U	ND	ND		0/57
4-NITROPHENOL	920 U	2100 U	ND	ND		0/57
DIBENZOFURAN	370 U	830 U	ND	ND		0/57
2,4-DINITROTOLUENE	370 U	830 U	ND	ND		0/57
DIETHYLPHTHALATE	370 U	830 U	ND	ND		0/57
4-CHLOROPHENYL-PHENYLETHER	370 U	830 U	ND	ND		0/57
FLUORENE	370 U	830 U	ND	ND		0/57
4-NITROANILINE	920 U	2100 U	ND	ND		0/54
4,6-DINITRO-2-METHYLPHENOL	920 U	2100 U	ND	ND		0/57
N-NITROSODIPHENYLAMINE (1)	370 U	830 U	ND	ND		0/57
4-BROMOPHENYL-PHENYLETHER	370 U	830 U	ND	ND		0/57
HEXACHLOROBENZENE	370 U	830 U	ND	ND		0/57
PENTACHLOROPHENOL	920 U	2100 U	ND	ND		0/57
PHENANTHRENE	370 U	830 U	48 J	190 J	36-OA-SB07-01	3/57
ANTHRACENE	370 U	830 U	ND	ND		0/57
CARBAZOLE	370 U	830 U	ND	ND		0/57
DI-N-BUTYLPHTHALATE	370 U	2700 U	56 J	56 J	36-OA-SB01-01	1/58
FLUORANTHENE	370 U	830 U	130 J	320 J	36-OA-SB07-01	3/57
PYRENE	370 U	830 U	59 J	320 J	36-OA-SB07-01	5/57
BUTYLBENZYLPHTHALATE	370 U	830 U	42 J	170 J	36-OA-SB03-03	3/57
3,3'-DICHLOROBENZIDINE	370 U	830 U	ND	ND		0/57
BENZO(A)ANTHRACENE	370 U	830 U	69 J	140 J	36-OA-SB07-01	3/57
CHRYSENE	370 U	830 U	41 J	200 J	36-OA-SB07-01	5/57
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	830 U	39 J	530	36-GW07-01	13/58
DI-N-OCTYL PHTHALATE	370 U	830 U	ND	ND		0/57
BENZO(B)FLUORANTHENE	370 U	830 U	44 J	170 J	36-OA-SB07-01	5/57
BENZO(K)FLUORANTHENE	370 U	830 U	42 J	68 J	36-OA-SB07-01	3/57
BENZO(A)PYRENE	370 U	470 U	72 J	450 J	36-GS-SB03-02	4/57
INDENO(1,2,3-CD)PYRENE	370 U	830 U	48 J	110 J	36-OA-SB07-01	3/57
DIBENZO(A,H)ANTHRACENE	370 U	830 U	ND	ND		0/57
BENZO(G,H,I)PERYLENE	370 U	830 U	42 J	89 J	36-OA-SB07-01	2/57

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBs						
ALPHA-BHC	1.8 UJ	20 U	ND	ND		0/56
BETA-BHC	1.8 U	20 U	ND	ND		0/56
DELTA-BHC	1.8 U	20 U	ND	ND		0/56
GAMMA-BHC (LINDANE)	1.8 U	20 U	4	4	36-OF-SB06D-02	1/56
HEPTACHLOR	1.8 U	20 U	ND	ND		0/56
ALDRIN	1.8 U	20 U	1.5 J	16 J	36-GW11-04	5/56
HEPTACHLOR EPOXIDE	1.8 U	20 U	3.4 J	14 J	36-GW11-04	3/56
ENDOSULFAN I	1.8 U	20 U	ND	ND		0/56
DIELDRIN	3.6 U	37 U	2.2 J	1200 J	36-FDA-SB05-01	17/56
4,4'-DDE	3.7 UJ	4.5 UJ	2.3 J	1700	36-OA-SB01A-01	29/56
ENDRIN	3.6 U	40 U	2.4 J	5 J	36-OF-SB06B-02	5/56
ENDOSULFAN II	3.6 U	40 U	2 J	2 J	36-OF-SB06B-02	1/56
4,4'-DDD	3.7 UJ	4.5 U	2.3 J	1300 J	36-FDA-SB05-01	30/56
ENDOSULFAN SULFATE	3.6 U	40 U	ND	ND		0/56
4,4'-DDT	3.7 U	4.5 UJ	2.8 J	3100	36-OA-SB01A-01	28/56
METHOXYCHLOR	18 U	200 U	ND	ND		0/56
ENDRIN KETONE	3.6 U	40 U	ND	ND		0/56
ENDRIN ALDEHYDE	3.6 U	40 U	3.5 J	32 J	36-FDA-SB05-01	3/56
ALPHA-CHLORDANE	1.8 U	20 U	1.6 J	750	36-GW11-04	12/56
GAMMA-CHLORDANE	1.8 U	20 U	2.3 J	770	36-GW11-04	9/56
TOXAPHENE	180 U	2000 U	ND	ND		0/56
AROCLOR-1016	36 U	400 U	ND	ND		0/56
AROCLOR-1221	73 U	800 U	ND	ND		0/56
AROCLOR-1232	36 U	400 U	ND	ND		0/56
AROCLOR-1242	36 U	400 U	ND	ND		0/56
AROCLOR-1248	36 U	400 U	19 J	850 J	36-OA-SB01-01	5/56
AROCLOR-1254	36 U	400 U	ND	ND		0/56
AROCLOR-1260	36 U	400 U	ND	ND		0/56

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-DAB-SB01-01	36-DAB-SB02-02	36-DAB-SB03-01	36-DAD-SB02-01	36-FCA-SB01-04	36-FCA-SB02-04
DATE SAMPLED	02/24/95	02/24/95	02/24/95	02/24/95	02/27/95	02/22/95
DEPTH	1-3'	3-5'	1-3'	1-3'	7-9'	7-9'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	3640	3610	4740	5440	8410	5280
ANTIMONY, TOTAL	1.8 UJ	2.5 UJ	3.7 UJ	4.9 UJ	2.4 R	4.1 UJ
ARSENIC, TOTAL	0.99	1.1	0.67	0.96	0.45 J	0.75
BARIUM, TOTAL	58.5	39.5	32.3	28.4	11	9
BERYLLIUM, TOTAL	0.05 U	0.07 U	0.16 U	0.21 U	0.07 U	0.18 U
CADMIUM, TOTAL	0.47 U	0.66	0.81 U	0.7 U	0.64 U	0.56 U
CALCIUM, TOTAL	768	2830	657	2250	30.9 U	81.8
CHROMIUM, TOTAL	13.2 J	8.6 J	5.6	10	8.1	4.4
COBALT, TOTAL	0.57	0.86	0.66	0.71 U	0.62 U	0.96 U
COPPER, TOTAL	37.2	19.9	12.1	12.4	0.89 U	0.38 UJ
IRON, TOTAL	4070 J	7090 J	3240	3500	3460	2840
LEAD, TOTAL	158 J	82.8 J	37.6 J	60.1 J	8.4	5 J
MAGNESIUM, TOTAL	165	212	186	353	301	142
MANGANESE, TOTAL	67.2	76.1	36.9	27.8	4.2	1.7
MERCURY, TOTAL	1.7 J	1.4 J	0.54	1.9	0.37	0.11 U
NICKEL, TOTAL	4.4	55.1	6.9	72.1	1.1	2.8
POTASSIUM, TOTAL	153	142	132	199	165	136 U
SELENIUM, TOTAL	0.31 U	0.27 U	0.26 U	0.35 U	0.27 UJ	0.34 U
SILVER, TOTAL	0.41 U	0.56 U	0.54 U	0.71 U	0.55	0.6 UJ
SODIUM, TOTAL	243	150	132	129	35.6	35
THALLIUM, TOTAL	0.14 U	0.13 U	0.12 U	0.16 U	0.13 U	0.16 U
VANADIUM, TOTAL	6.5	6.4	6.4	9.7	9.4	8
ZINC, TOTAL	206	361	112	98.2	1.8 U	1.9

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FCA-SB03-02	36-FCA-SB04-02	36-FCA-SB05-02	36-FCA-SB06-03	36-FCA-SB07-01	36-FCA-SB08-01
DATE SAMPLED	02/23/95	02/25/95	02/27/95	02/23/95	02/22/95	02/27/95
DEPTH	3-5'	3-5'	3-5'	11-13'	1-3'	1-3'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	9910	6370	7490	8330	10200	2980
ANTIMONY, TOTAL	4.7 UJ	4.9 UJ	1.8 R	2.6 UJ	5.1 UJ	1.8 R
ARSENIC, TOTAL	1.9	0.45 U	0.46 UJ	0.41 U	5	0.36 J
BARIUM, TOTAL	17.9	8.2	11.1	14.3	19.6	5.9
BERYLLIUM, TOTAL	0.2 U	0.21 U	0.05 U	0.07 U	0.22 U	0.05 U
CADMIUM, TOTAL	0.64 U	0.66 U	0.48 U	0.68 U	0.69 U	0.48 U
CALCIUM, TOTAL	105	51.4	27.7	238	196	49.7
CHROMIUM, TOTAL	14.9	4.7	7	6.1 J	19.6	3.1
COBALT, TOTAL	0.68 U	0.71 U	0.57 U	0.54 U	0.74 U	0.41 U
COPPER, TOTAL	2 U	0.45 U	0.67 U	0.94 U	2.2 U	0.9 U
IRON, TOTAL	8820	3140	3000	5290 J	9450	1670
LEAD, TOTAL	9.7	6	8.7	8.9	10.1	4.6
MAGNESIUM, TOTAL	335	216	237	291	436	122
MANGANESE, TOTAL	3.2	3.7	4.6	4.9	3.2	1.8 U
MERCURY, TOTAL	0.1 U	0.1 U	0.09 U	0.11 UJ	0.12 U	0.11 U
NICKEL, TOTAL	2.5 U	2.5 U	0.7 U	0.98 U	2.7 U	0.69 U
POTASSIUM, TOTAL	390	161 U	142	146	333	90.9
SELENIUM, TOTAL	0.37 U	0.35 U	0.37 UJ	0.33 U	0.39 U	0.28 UJ
SILVER, TOTAL	0.68 U	0.71 R	0.42 U	0.59 U	0.74 U	0.41 U
SODIUM, TOTAL	29.9	20.3 U	16.7	22.6	32.6	12
THALLIUM, TOTAL	0.17 U	0.26 U	0.17 U	0.15 U	0.18 U	0.13 U
VANADIUM, TOTAL	21.6	6.1	9.5	6	30.6	4.7
ZINC, TOTAL	2.5 U	1.4	1.9 U	2.5	3.5 U	0.88 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FCA-SB09-02	36-FCA-SB10-02	36-FCA-SB11-03	36-FCA-SB12-02	36-FCA-SB13-01	36-FCA-SB14-01
DATE SAMPLED	02/22/95	02/22/95	02/23/95	02/22/95	02/27/95	02/23/95
DEPTH	3-5'	3-5'	5-7'	3-5'	1-3'	1-3'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	5760	2330	5650	1790	5620	5630
ANTIMONY, TOTAL	4.4 UJ	3.4 UJ	2.5 UJ	4.2 UJ	4.9 R	4.4 UJ
ARSENIC, TOTAL	0.54	0.26 U	0.43 U	0.39 U	0.44	0.74
BARIUM, TOTAL	9.1	4.7	8.2	4 U	7.6	13.6
BERYLLIUM, TOTAL	0.19 U	0.18	0.07 U	0.18 U	0.21 U	0.19 U
CADMIUM, TOTAL	0.6 U	0.46 U	0.65 U	0.57 U	0.67 U	0.59 U
CALCIUM, TOTAL	14.8	43.9	14.8 U	35.9	79.4 J	42.6
CHROMIUM, TOTAL	5.2	3.9	4.8 J	2	4.2 J	4.8
COBALT, TOTAL	0.64 U	0.73 U	0.52 U	0.61 U	0.71 U	0.63 U
COPPER, TOTAL	0.41 U	0.47 J	0.9 U	0.39 U	0.45 U	0.4 U
IRON, TOTAL	3500	620	2550 J	788	2590	2970
LEAD, TOTAL	8.5	3.7	7	2.4	8.3	3.9
MAGNESIUM, TOTAL	156	58.9	148	49.1	193	147
MANGANESE, TOTAL	1.7 U	1.7	2.5	1.7 U	2.5 J	8.1
MERCURY, TOTAL	0.11 U	0.1 U	0.09 UJ	0.08 U	0.087 U	0.08 U
NICKEL, TOTAL	2.3 U	1.8 U	0.94 U	2.2 U	2.7	2.3 U
POTASSIUM, TOTAL	147 U	113 U	106	139 U	163 U	144 U
SELENIUM, TOTAL	0.31 U	0.3 U	0.34 U	0.31 U	0.37 U	0.3 U
SILVER, TOTAL	0.64 U	0.49 UJ	0.56 U	0.61 U	0.71 U	0.63 U
SODIUM, TOTAL	25.1	19.4 U	14.3	10.8	15.8 U	20.5
THALLIUM, TOTAL	0.15 U	0.14 U	0.16 U	0.14 U	0.23 U	0.14 U
VANADIUM, TOTAL	9.7	4.6	6.7	3 U	6.5	8.1
ZINC, TOTAL	1.6 U	1.3 J	0.99	0.77 U	0.99	2 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-FDA-SB01-02	36-FDA-SB02-04	36-FDA-SB03-04	36-FDA-SB04-01	36-FDA-SB05-01	36-FDA-SB06-07
DATE SAMPLED	02/23/95	02/27/95	02/22/95	02/24/95	02/27/95	02/25/95
DEPTH	3-5'	7-9'	7-9'	1-3'	1-3'	13-15'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	5920	1860	886	2940	19700	18200
ANTIMONY, TOTAL	13.3 J	3.6 R	2.4 UJ	4.9 J	6.2 J	4.5 UJ
ARSENIC, TOTAL	25.9	9.3	0.41 U	1.5	5.2	11.4
BARIUM, TOTAL	182	43.1	2.9	11.7	348	39.2
BERYLLIUM, TOTAL	0.21 U	0.16 U	0.07 U	0.16 U	0.25 U	0.2 U
CADMIUM, TOTAL	4.7	1.3	0.64 U	0.62 U	5.8	2.1 U
CALCIUM, TOTAL	12700	1750 J	69.4	227	2230	3850
CHROMIUM, TOTAL	35.1	8.6 J	1.4	5.9	32.5	39.1
COBALT, TOTAL	7.8	1.4 U	0.51 U	1.7	8.3	4.2
COPPER, TOTAL	133	33.1	0.88 U	16.6	399	67
IRON, TOTAL	81900	18100	529	13100	70500	47700
LEAD, TOTAL	457 J	190 J	1.2	33.8 J	424 J	143 J
MAGNESIUM, TOTAL	624	130	27	72.7	238	971
MANGANESE, TOTAL	1260	148 J	7.6	85.2	497	195
MERCURY, TOTAL	0.11 U	0.24	0.1 U	0.08 U	0.44	0.12 U
NICKEL, TOTAL	26.6	8.1	0.93 U	7	49.2	15.1
POTASSIUM, TOTAL	327	133	64.5 U	125 U	210	1640
SELENIUM, TOTAL	0.27 U	0.41 U	0.32 UJ	0.23 U	0.3 U	0.79
SILVER, TOTAL	0.69 U	0.52 U	0.55 U	0.55 U	0.52 U	0.66 U
SODIUM, TOTAL	150	60.9	16.7 U	19.8 U	61	501
THALLIUM, TOTAL	0.13 UJ	0.25 UJ	0.15 U	0.11 UJ	1.7 UJ	0.16 UJ
VANADIUM, TOTAL	10.9	5.3	3.2	4.3	12.1	37.9
ZINC, TOTAL	2490	882	1.2 U	171	2580	1040

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW07-01	36-GW09-04	36-GW10-03	36-GW11-04	36-GW11-06	36-OA-SB01-01
DATE SAMPLED	03/07/95	03/09/95	03/09/95	03/09/95	03/09/95	02/22/95
DEPTH	1-3'	7-9'	5-7'	7-9'	11-13'	1-3'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	4630	5570	7770	8620	2740	2640
ANTIMONY, TOTAL	2.7 UJ	1.8 UJ	5.3 UJ	21.6 J	4.4 UJ	2.2 UJ
ARSENIC, TOTAL	0.4 U	6.2	0.53	13	0.92	6.6
BARIUM, TOTAL	6.8	24.3	12.8	475	4.3	9.9
BERYLLIUM, TOTAL	0.16 U	0.12 U	0.23 U	0.19 U	0.19 U	0.14 U
CADMIUM, TOTAL	0.73 U	38.5	0.71 U	42.8	0.6 U	0.59 U
CALCIUM, TOTAL	29.7 J	3270 J	141	24900	386	2920
CHROMIUM, TOTAL	4.5 U	29	7.4	71.9	5.6	3.4
COBALT, TOTAL	0.58 U	4.3	0.76 U	8.1	0.64 U	0.48
COPPER, TOTAL	1 U	82.5	0.61 U	782	1.1	3.7
IRON, TOTAL	2720 J	39300 J	3360	132000	2880	1570
LEAD, TOTAL	6.1 U	151	10	1980	5.1	16.6
MAGNESIUM, TOTAL	162	236	256	2700	205	129
MANGANESE, TOTAL	2.7	220	5.8	1150	11.9	7.3
MERCURY, TOTAL	0.12 U	0.088 U	0.13 U	0.8	0.1 U	0.11 U
NICKEL, TOTAL	1.1 U	24.1	2.7 U	40.1	2.3 U	1.3
POTASSIUM, TOTAL	101	153	183	739	288	91.9 U
SELENIUM, TOTAL	0.35 U	0.31 U	0.4 U	0.38 U	0.37 U	0.3 UJ
SILVER, TOTAL	0.63 U	0.41 U	0.76 U	0.89	0.64 U	0.51 U
SODIUM, TOTAL	14.3 U	65.8	33 U	491	66.6	23.2 U
THALLIUM, TOTAL	0.16 U	0.14 UJ	0.24 U	0.23 UJ	0.22 U	0.14 U
VANADIUM, TOTAL	6	4.3	6.1	13.5	7.6	5.1
ZINC, TOTAL	1.3	1080	3.7	720	2	11.2

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OA-SB01A-01	36-OA-SB01B-01	36-OA-SB01C-01	36-OA-SB01D-01	36-OA-SB02-03	36-OA-SB03-03
DATE SAMPLED	03/09/95	03/09/95	03/09/95	03/09/95	02/25/95	02/25/95
DEPTH	1-3'	1-3'	1-3'	1-3'	5-7'	5-7'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	3600	3380	3400	3950	2970	4850
ANTIMONY, TOTAL	4.8 UJ	4.2 UJ	4.4 UJ	4 UJ	4.5 UJ	4.5 UJ
ARSENIC, TOTAL	3.4	4.8 J	4.1 J	3.3 J	0.88	1.7
BARIUM, TOTAL	48	14.2	9.4	14.4	4.9	22.6
BERYLLIUM, TOTAL	0.21 U	0.18 U	0.19 U	0.17 U	0.2 U	0.2 U
CADMIUM, TOTAL	0.68	0.56 U	0.59 U	0.54 U	0.61 U	0.61 U
CALCIUM, TOTAL	535	588	2000	3640	42.7	4490
CHROMIUM, TOTAL	5.9	4.6	4.3	4.7	4.9	8.9
COBALT, TOTAL	0.7	0.77	0.63 U	0.58 U	0.65 U	0.66 U
COPPER, TOTAL	4.5	11.5	4.2	5.1	0.41 U	40.2
IRON, TOTAL	4260	2000	3180	3670	2450	8940
LEAD, TOTAL	30.2	13	5.5	23.2	3.6	209 J
MAGNESIUM, TOTAL	102	111	118	342	129	374
MANGANESE, TOTAL	7.6	9.4	15.5	20.5	2.9	46.4
MERCURY, TOTAL	0.12	0.1 U	0.11 U	0.09 U	0.1 U	0.09 U
NICKEL, TOTAL	2.5 U	2.2 U	2.3 U	2.1 U	2.4 U	3.2
POTASSIUM, TOTAL	160 U	138 U	145 U	133 U	149 U	183
SELENIUM, TOTAL	0.43	0.31 U	0.3 U	0.29 U	0.32 U	0.31 U
SILVER, TOTAL	0.7 U	0.6 U	0.63 U	0.58 U	0.65 R	0.66 R
SODIUM, TOTAL	34.1 U	11.8	12.5	11.4	16.5 U	38.9 U
THALLIUM, TOTAL	0.2 U	0.29 UJ	0.28 UJ	0.27 UJ	0.24 U	0.22 U
VANADIUM, TOTAL	9.4	6.3	5.8	7.4	12.1	10.6
ZINC, TOTAL	17.1	57.8	19.4	14.3	1.5	111

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OA-SB04-02	36-OA-SB05-02	36-OA-SB06-02	36-OA-SB07-01	36-OA-SB08-01	36-OF-SB01-04
DATE SAMPLED	02/24/95	02/28/95	02/27/95	02/24/95	02/27/95	02/21/95
DEPTH	3-5'	3-5'	3-5'	1-3'	1-3'	7-9'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	1280	752	2910	8690	3850	3290
ANTIMONY, TOTAL	4 UJ	2.5 R	2.2 R	16.2 J	2.2 UJ	2.4 UJ
ARSENIC, TOTAL	0.33 U	0.42 J	1.5 J	13.5	0.91	0.95
BARIUM, TOTAL	2.8	2	93.5	130	11.3	7.5
BERYLLIUM, TOTAL	0.17 U	0.07 U	0.06 U	0.21 U	0.18 U	0.07 U
CADMIUM, TOTAL	0.54 U	0.66 U	0.58 U	6.3	0.59 U	0.64 U
CALCIUM, TOTAL	167	84.3	402	15000	1570	350
CHROMIUM, TOTAL	2.2	1.5	4.2	34.4	3.6	4.5
COBALT, TOTAL	0.58 U	0.52 U	1.1 U	9.4	0.47 U	0.51 U
COPPER, TOTAL	0.46	0.99 U	4.6 U	163	0.88	0.89 U
IRON, TOTAL	475	408	5320	94600	1360	2490
LEAD, TOTAL	1.4	2.8	112	2680 J	7.7	3.3
MAGNESIUM, TOTAL	40.5	20.4	68.7	749	127	112
MANGANESE, TOTAL	2	1.8 U	38.3	842	6.7	5.3
MERCURY, TOTAL	0.1 U	0.1 U	0.1 U	3.9	0.089 U	0.1 U
NICKEL, TOTAL	2.1 U	0.95 U	10.3	39	0.86 U	0.93 U
POTASSIUM, TOTAL	132 U	47.2	48.1	307	70.1	121 U
SELENIUM, TOTAL	0.26 U	0.33 UJ	0.25 UJ	0.34 U	0.33 U	0.36 UJ
SILVER, TOTAL	0.58 U	0.68	0.5 U	0.69 U	0.51 U	0.55 U
SODIUM, TOTAL	17.9 U	9.5	5.2	138	20.6 U	18.1 U
THALLIUM, TOTAL	0.12 U	0.15 U	0.57 U	0.16 UJ	0.37 U	0.17 U
VANADIUM, TOTAL	3.3	1.6	2.1	17	4	8.6
ZINC, TOTAL	0.85	1.4 U	122	1020	10	2.5

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OF-SB02-02	36-OF-SB03-03	36-OF-SB04-04	36-OF-SB05-06	36-OF-SB06-03	36-OF-SB06A-01
DATE SAMPLED	02/21/95	02/21/95	02/22/95	02/21/95	02/21/95	03/09/95
DEPTH	3-5'	5-7'	7-9'	11-13'	5-7'	1-3'
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	787	7720	13700	5520	13900	3560
ANTIMONY, TOTAL	3.5 UJ	3.6 UJ	4.1 UJ	3.8 UJ	2.8 UJ	2.5 UJ
ARSENIC, TOTAL	0.26 U	0.44	6.7	1.2	6.8	5.8
BARIUM, TOTAL	2.1	14	25.4	11.8	18.5	147
BERYLLIUM, TOTAL	0.17	0.16 U	0.18 U	0.17 U	0.14 U	0.074 U
CADMIUM, TOTAL	0.48 U	0.49 U	0.56 U	0.51 U	0.74 U	0.74
CALCIUM, TOTAL	271	890	2850	1250	1880	41900 J
CHROMIUM, TOTAL	1.8	11.1	27.7	9.1	34.7	14.2
COBALT, TOTAL	0.51 U	0.81 U	0.69 U	1.4 U	1.6	2.8 U
COPPER, TOTAL	0.5 J	0.87 J	3.1 J	17.9 J	3.9	38.7
IRON, TOTAL	695	7430	22800	10300	58400	28400 J
LEAD, TOTAL	2.1 J	5.1	17.4	37.6	11.2	871
MAGNESIUM, TOTAL	20.2	283	642	333	523	652
MANGANESE, TOTAL	0.85	50.9	7.5	45.4	48.3	169
MERCURY, TOTAL	0.08 U	0.11 U	0.11 U	0.1 U	0.42	0.28
NICKEL, TOTAL	6.1	1.9 U	5.4	4	1.1 U	28.6
POTASSIUM, TOTAL	117 U	438	745	388	630	115
SELENIUM, TOTAL	0.3 U	0.32 U	0.56	0.3 U	1.2 J	0.34 U
SILVER, TOTAL	0.51 UJ	0.52 UJ	0.6 UJ	0.55 UJ	0.64 U	0.58 U
SODIUM, TOTAL	14.4 U	45.2	60.7	81.7	64.6 U	97.8
THALLIUM, TOTAL	0.14 U	0.15 U	0.15 U	0.14 U	0.85 UJ	0.16 U
VANADIUM, TOTAL	2.3 U	20.2	40.4	10.4	52.6	6.5
ZINC, TOTAL	2.3	18.2	7.6	201	92.1	363

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OF-SB06B-02	36-OF-SB06C-02	36-OF-SB06D-02
DATE SAMPLED	03/09/95	03/09/95	03/09/95
DEPTH	3-5'	3-5'	3-5'
UNITS	MG/KG	MG/KG	MG/KG
TOTAL METALS			
ALUMINUM, TOTAL	5650	4320	3710
ANTIMONY, TOTAL	5.8 J	3.8 UJ	6.4 J
ARSENIC, TOTAL	12.9	0.23	2.4
BARIUM, TOTAL	246	12.4	53.2
BERYLLIUM, TOTAL	0.2 U	0.16 U	0.18 U
CADMIUM, TOTAL	12.7	0.51 U	2.4
CALCIUM, TOTAL	46300	343	16300
CHROMIUM, TOTAL	26.7	2.3	18.5
COBALT, TOTAL	5.4	0.55 U	3.3
COPPER, TOTAL	1320	2.5	129
IRON, TOTAL	67400	2130	45100
LEAD, TOTAL	1210	12.6	555
MAGNESIUM, TOTAL	885	123	408
MANGANESE, TOTAL	560	9.5	376
MERCURY, TOTAL	0.13 U	0.08 U	0.75
NICKEL, TOTAL	40.4	2 U	15.1
POTASSIUM, TOTAL	375	125 U	255
SELENIUM, TOTAL	0.43 U	0.3 U	0.42 U
SILVER, TOTAL	0.66 U	0.55 U	0.61 U
SODIUM, TOTAL	235	23.1 U	56.6
THALLIUM, TOTAL	0.26 UJ	0.18 U	0.26 U
VANADIUM, TOTAL	10.4	4.4	8.3
ZINC, TOTAL	1540	9.4	647

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
ALUMINUM, TOTAL	NA	NA	752	19700	36-FDA-SB05-01	51/51
ANTIMONY, TOTAL	1.8 UJ	5.3 UJ	4.9 J	21.6 J	36-GW11-04	7/44
ARSENIC, TOTAL	0.26 U	0.46 UJ	0.23	25.9	36-FDA-SB01-02	41/51
BARIUM, TOTAL	4 U	4 U	2	475	36-GW11-04	50/51
BERYLLIUM, TOTAL	0.05 U	0.25 U	0.17	0.18	36-FCA-SB10-02	2/51
CADMIUM, TOTAL	0.46 U	2.1 U	0.66	42.8	36-GW11-04	11/51
CALCIUM, TOTAL	14.8 U	30.9 U	14.8	46300	36-OF-SB06B-02	49/51
CHROMIUM, TOTAL	4.5 U	4.5 U	1.4	71.9	36-GW11-04	50/51
COBALT, TOTAL	0.41 U	2.8 U	0.48	9.4	36-OA-SB07-01	16/51
COPPER, TOTAL	0.38 UJ	4.6 U	0.46	1320	36-OF-SB06B-02	31/51
IRON, TOTAL	NA	NA	408	132000	36-GW11-04	51/51
LEAD, TOTAL	6.1 U	6.1 U	1.2	2680 J	36-OA-SB07-01	50/51
MAGNESIUM, TOTAL	NA	NA	20.2	2700	36-GW11-04	51/51
MANGANESE, TOTAL	1.7 U	1.8 U	0.85	1260	36-FDA-SB01-02	47/51
MERCURY, TOTAL	0.08 U	0.13 U	0.12	3.9	36-OA-SB07-01	13/51
NICKEL, TOTAL	0.69 U	2.7 U	1.1	72.1	36-DAD-SB02-01	24/51
POTASSIUM, TOTAL	64.5 U	163 U	47.2	1640	36-FDA-SB06-07	32/51
SELENIUM, TOTAL	0.23 U	0.43 U	0.43	1.2 J	36-OF-SB06-03	4/51
SILVER, TOTAL	0.41 U	0.76 U	0.55	0.89	36-GW11-04	3/48
SODIUM, TOTAL	14.3 U	64.6 U	5.2	501	36-FDA-SB06-07	34/51
THALLIUM, TOTAL	0.11 UJ	1.7 UJ	ND	ND		0/51
VANADIUM, TOTAL	2.3 U	3 U	1.6	52.6	36-OF-SB06-03	49/51
ZINC, TOTAL	0.77 U	3.5 U	0.85	2580	36-FDA-SB05-01	41/51

GROUNDWATER

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW01-01	36-GW02-01	36-GW03-01	36-GW04-01	36-GW05-01	36-GW06-01
DATE SAMPLED	03/28/95	03/27/95	03/26/95	03/26/95	03/26/95	03/27/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	4 J	10 U	10 U
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW01-01	36-GW02-01	36-GW03-01	36-GW04-01	36-GW05-01	36-GW06-01
DATE SAMPLED	03/28/95	03/27/95	03/26/95	03/26/95	03/26/95	03/27/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	10 U	10 U	10 U	10 U	9 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	9 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
1,3-DICHLOROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
1,4-DICHLOROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
1,2-DICHLOROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 R	10 R	10 U	10 U	9 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	9 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	9 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
ISOPHORONE	10 U	10 U	10 U	10 U	9 U	10 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	9 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
NAPHTHALENE	10 U	10 U	10 U	10 U	9 U	10 U
4-CHLOROANILINE	10 U	10 U	10 U	10 U	9 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	9 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	9 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	9 U	10 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	9 U	10 U
2,4,5-TRICHLOROPHENOL	24 U	25 U	24 U	24 U	23 U	24 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	9 U	10 U
2-NITROANILINE	24 U	25 U	24 U	24 U	23 U	24 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	9 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	9 U	10 U
3-NITROANILINE	24 U	25 U	24 U	24 U	23 U	24 U
ACENAPHTHENE	10 U	10 U	10 U	10 U	9 U	10 U
2,4-DINITROPHENOL	24 UJ	25 UJ	24 U	24 U	23 U	24 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW01-01	36-GW02-01	36-GW03-01	36-GW04-01	36-GW05-01	36-GW06-01
DATE SAMPLED	03/28/95	03/27/95	03/26/95	03/26/95	03/26/95	03/27/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	24 U	25 U	24 U	24 U	23 U	24 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	9 U	10 U
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	9 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	9 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	9 U	10 U
4-NITROANILINE	24 U	25 U	24 U	24 U	23 U	24 U
4,6-DINITRO-2-METHYLPHENOL	24 U	25 U	24 U	24 U	23 U	24 U
N-NITROSODIPHENYLAMINE (1)	10 U	10 U	10 U	10 U	9 U	10 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	9 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	9 U	10 U
PENTACHLOROPHENOL	24 U	25 U	24 U	24 U	23 U	24 U
PHENANTHRENE	10 U	10 U	10 U	10 U	9 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	9 U	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	9 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	9 U	10 U
PYRENE	10 U	10 U	10 U	10 U	9 U	10 U
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U	10 U	9 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	9 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	9 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
DI-N-OCTYL PHTHALATE	10 U	10 U	10 U	10 U	9 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	9 U	10 U
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	9 U	10 U
BENZO(A)PYRENE	10 U	10 U	10 U	10 U	9 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	9 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	9 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	9 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW01-01	36-GW02-01	36-GW03-01	36-GW04-01	36-GW05-01	36-GW06-01
DATE SAMPLED	03/28/95	03/27/95	03/26/95	03/26/95	03/26/95	03/27/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCB's						
ALPHA-BHC	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
BETA-BHC	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
DELTA-BHC	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
GAMMA-BHC (LINDANE)	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
HEPTACHLOR	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
ALDRIN	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
HEPTACHLOR EPOXIDE	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
ENDOSULFAN I	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
DIELDRIN	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
4,4'-DDE	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
ENDRIN	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
ENDOSULFAN II	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
4,4'-DDD	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
ENDOSULFAN SULFATE	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
4,4'-DDT	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
METHOXYCHLOR	0.46 UJ	0.5 UJ	0.46 UJ	0.48 UJ	0.48 UJ	0.48 UJ
ENDRIN KETONE	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
ENDRIN ALDEHYDE	0.093 U	0.1 UJ	0.092 U	0.097 UJ	0.095 UJ	0.096 UJ
ALPHA-CHLORDANE	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
GAMMA-CHLORDANE	0.046 U	0.05 UJ	0.046 U	0.048 UJ	0.048 UJ	0.048 UJ
TOXAPHENE	4.6 U	5 UJ	4.6 U	4.8 UJ	4.8 UJ	4.8 UJ
AROCLOR-1016	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ
AROCLOR-1221	1.9 U	2 UJ	1.8 U	1.9 UJ	1.9 UJ	1.9 UJ
AROCLOR-1232	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ
AROCLOR-1242	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ
AROCLOR-1248	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ
AROCLOR-1254	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ
AROCLOR-1260	0.93 U	1 UJ	0.92 U	0.97 UJ	0.95 UJ	0.96 UJ

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW06DW-01	36-GW07-01	36-GW07DW-01	36-GW08-01	36-GW09-01	36-GW10-01
DATE SAMPLED	03/26/95	03/26/95	03/26/95	03/27/95	03/27/95	03/25/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	5 J	10 U	10 U
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	8 J
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW06DW-01	36-GW07-01	36-GW07DW-01	36-GW08-01	36-GW09-01	36-GW10-01
DATE SAMPLED	03/26/95	03/26/95	03/26/95	03/27/95	03/27/95	03/25/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	10 U	9 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	9 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
1,3-DICHLOROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
1,4-DICHLOROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	9 U	10 U	10 R	10 U	10 U
4-METHYLPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	9 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	9 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
ISOPHORONE	10 U	9 U	10 U	10 U	10 U	10 U
2-NITROPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U	9 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
1,2,4-TRICHLOROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	9 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	9 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	9 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	9 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	9 U	10 U	10 U	10 U	10 U
2,4,6-TRICHLOROPHENOL	10 U	9 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	24 U	24 U	24 U	24 U	25 U	24 U
2-CHLORONAPHTHALENE	10 U	9 U	10 U	10 U	10 U	10 U
2-NITROANILINE	24 U	24 U	24 U	24 U	25 U	24 U
DIMETHYLPHTHALATE	10 U	9 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	9 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	9 U	10 U	10 U	10 U	10 U
3-NITROANILINE	24 U	24 U	24 U	24 U	25 U	24 U
ACENAPHTHENE	10 U	9 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	24 U	24 U	24 U	24 UJ	25 U	24 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW06DW-01	36-GW07-01	36-GW07DW-01	36-GW08-01	36-GW09-01	36-GW10-01
DATE SAMPLED	03/26/95	03/26/95	03/26/95	03/27/95	03/27/95	03/25/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	24 U	24 U	24 U	24 U	25 U	24 U
DIBENZOFURAN	10 U	9 U	10 U	10 U	10 U	10 U
2,4-DINITROTOLUENE	10 U	9 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	9 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	9 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	9 U	10 U	10 U	10 U	10 U
4-NITROANILINE	24 U	24 U	24 U	24 U	25 U	24 U
4,6-DINITRO-2-METHYLPHENOL	24 U	24 U	24 U	24 U	25 U	24 U
N-NITROSODIPHENYLAMINE (1)	10 U	9 U	10 U	10 U	10 U	10 U
4-BROMOPHENYL-PHENYLETHER	10 U	9 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	9 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	24 U	24 U	24 U	24 U	25 U	24 U
PHENANTHRENE	10 U	9 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	9 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	9 U	10 U	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	9 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	9 U	10 U	10 U	10 U	10 U
PYRENE	10 U	9 U	10 U	10 U	10 U	10 U
BUTYLBENZYLPHTHALATE	10 U	9 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	9 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	9 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	9 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	9 U	10 U	10 U	5 J	10 U
DI-N-OCTYL PHTHALATE	10 U	9 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	9 U	10 U	10 U	10 U	10 U
BENZO(K)FLUORANTHENE	10 U	9 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	9 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	9 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	9 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	9 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW06DW-01	36-GW07-01	36-GW07DW-01	36-GW08-01	36-GW09-01	36-GW10-01
DATE SAMPLED	03/26/95	03/26/95	03/26/95	03/27/95	03/27/95	03/25/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCB's						
ALPHA-BHC	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
BETA-BHC	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
DELTA-BHC	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
GAMMA-BHC (LINDANE)	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
HEPTACHLOR	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
ALDRIN	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
HEPTACHLOR EPOXIDE	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
ENDOSULFAN I	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
DIELDRIN	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
4,4'-DDE	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
ENDRIN	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
ENDOSULFAN II	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
4,4'-DDD	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.056 J
ENDOSULFAN SULFATE	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
4,4'-DDT	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
METHOXYCHLOR	0.48 UJ	0.48 UJ	0.47 UJ	0.46 UJ	0.5 UJ	0.47 UJ
ENDRIN KETONE	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
ENDRIN ALDEHYDE	0.096 UJ	0.095 UJ	0.094 UJ	0.093 U	0.1 UJ	0.094 UJ
ALPHA-CHLORDANE	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
GAMMA-CHLORDANE	0.048 UJ	0.048 UJ	0.047 UJ	0.046 U	0.05 UJ	0.047 UJ
TOXAPHENE	4.8 UJ	4.8 UJ	4.7 UJ	4.6 U	5 UJ	4.7 UJ
AROCLOR-1016	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ
AROCLOR-1221	1.9 UJ	1.9 UJ	1.9 UJ	1.9 U	2 UJ	1.9 UJ
AROCLOR-1232	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ
AROCLOR-1242	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ
AROCLOR-1248	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ
AROCLOR-1254	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ
AROCLOR-1260	0.96 UJ	0.95 UJ	0.94 UJ	0.93 U	1 UJ	0.94 UJ

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-01	36-GW11-01	36-GW11DW-01	36-GW12-01	36-GW12IW-01	36-GW13-01
DATE SAMPLED	05/09/95	03/27/95	03/27/95	05/08/95	05/08/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	31 J	10 U	10 U	10 UJ	10 UJ	8 J
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	70	10 U	10 U	9 J	10 U	6 J
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10	10 U	10 U	6 J	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-01	36-GW11-01	36-GW11DW-01	36-GW12-01	36-GW12IW-01	36-GW13-01
DATE SAMPLED	05/09/95	03/27/95	03/27/95	05/08/95	05/08/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	NA	10 U	10 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	10 U	10 U	NA	NA	NA
2-CHLOROPHENOL	NA	10 U	10 U	NA	NA	NA
1,3-DICHLOROBENZENE	NA	10 U	10 U	NA	NA	NA
1,4-DICHLOROBENZENE	NA	10 U	10 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	10 U	10 U	NA	NA	NA
2-METHYLPHENOL	NA	10 U	10 U	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	10 R	10 U	NA	NA	NA
4-METHYLPHENOL	NA	10 U	10 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	10 U	10 U	NA	NA	NA
HEXACHLOROETHANE	NA	10 U	10 U	NA	NA	NA
NITROBENZENE	NA	10 U	10 U	NA	NA	NA
ISOPHORONE	NA	10 U	10 U	NA	NA	NA
2-NITROPHENOL	NA	10 U	10 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	10 U	10 U	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	10 U	10 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	10 U	10 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	10 U	10 U	NA	NA	NA
NAPHTHALENE	NA	10 U	10 U	NA	NA	NA
4-CHLOROANILINE	NA	10 U	10 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	10 U	10 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	10 U	10 U	NA	NA	NA
2-METHYLNAPHTHALENE	NA	10 U	10 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	10 U	10 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	10 U	10 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	24 U	24 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	10 U	10 U	NA	NA	NA
2-NITROANILINE	NA	24 U	24 U	NA	NA	NA
DIMETHYLPHTHALATE	NA	10 U	10 U	NA	NA	NA
ACENAPHTHYLENE	NA	10 U	10 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	10 U	10 U	NA	NA	NA
3-NITROANILINE	NA	24 U	24 U	NA	NA	NA
ACENAPHTHENE	NA	10 U	10 U	NA	NA	NA
2,4-DINITROPHENOL	NA	24 UJ	24 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-01	36-GW11-01	36-GW11DW-01	36-GW12-01	36-GW12IW-01	36-GW13-01
DATE SAMPLED	05/09/95	03/27/95	03/27/95	05/08/95	05/08/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	NA	24 U	24 U	NA	NA	NA
DIBENZOFURAN	NA	10 U	10 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	10 U	10 U	NA	NA	NA
DIETHYLPHTHALATE	NA	10 U	10 U	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	NA	10 U	10 U	NA	NA	NA
FLUORENE	NA	10 U	10 U	NA	NA	NA
4-NITROANILINE	NA	24 U	24 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	24 U	24 U	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	NA	10 U	10 U	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	NA	10 U	10 U	NA	NA	NA
HEXACHLOROBENZENE	NA	10 U	10 U	NA	NA	NA
PENTACHLOROPHENOL	NA	24 U	24 U	NA	NA	NA
PHENANTHRENE	NA	10 U	10 U	NA	NA	NA
ANTHRACENE	NA	10 U	10 U	NA	NA	NA
CARBAZOLE	NA	10 U	10 U	NA	NA	NA
DI-N-BUTYLPHTHALATE	NA	10 U	10 U	NA	NA	NA
FLUORANTHENE	NA	10 U	10 U	NA	NA	NA
PYRENE	NA	10 U	10 U	NA	NA	NA
BUTYLBENZYLPHTHALATE	NA	10 U	10 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	10 U	10 U	NA	NA	NA
BENZO(A)ANTHRACENE	NA	10 U	10 U	NA	NA	NA
CHRYSENE	NA	10 U	10 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	10 U	10 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	10 U	10 U	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	10 U	10 U	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	10 U	10 U	NA	NA	NA
BENZO(A)PYRENE	NA	10 U	10 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	10 U	10 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	10 U	10 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	10 U	10 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-01	36-GW11-01	36-GW11DW-01	36-GW12-01	36-GW12IW-01	36-GW13-01
DATE SAMPLED	05/09/95	03/27/95	03/27/95	05/08/95	05/08/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCB's						
ALPHA-BHC	NA	0.048 U	0.048 UJ	NA	NA	NA
BETA-BHC	NA	0.048 U	0.048 UJ	NA	NA	NA
DELTA-BHC	NA	0.048 U	0.048 UJ	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	0.048 U	0.048 UJ	NA	NA	NA
HEPTACHLOR	NA	0.048 U	0.048 UJ	NA	NA	NA
ALDRIN	NA	0.048 U	0.048 UJ	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	0.048 U	0.048 UJ	NA	NA	NA
ENDOSULFAN I	NA	0.048 U	0.048 UJ	NA	NA	NA
DIELDRIN	NA	0.095 U	0.095 UJ	NA	NA	NA
4,4'-DDE	NA	0.095 U	0.095 UJ	NA	NA	NA
ENDRIN	NA	0.095 U	0.095 UJ	NA	NA	NA
ENDOSULFAN II	NA	0.095 U	0.095 UJ	NA	NA	NA
4,4'-DDD	NA	0.095 U	0.095 UJ	NA	NA	NA
ENDOSULFAN SULFATE	NA	0.095 U	0.095 UJ	NA	NA	NA
4,4'-DDT	NA	0.095 U	0.095 UJ	NA	NA	NA
METHOXYCHLOR	NA	0.48 UJ	0.48 UJ	NA	NA	NA
ENDRIN KETONE	NA	0.095 U	0.095 UJ	NA	NA	NA
ENDRIN ALDEHYDE	NA	0.095 U	0.095 UJ	NA	NA	NA
ALPHA-CHLORDANE	NA	0.048 U	0.048 UJ	NA	NA	NA
GAMMA-CHLORDANE	NA	0.048 U	0.048 UJ	NA	NA	NA
TOXAPHENE	NA	4.8 U	4.8 UJ	NA	NA	NA
AROCLOR-1016	NA	0.95 U	0.95 UJ	NA	NA	NA
AROCLOR-1221	NA	1.9 U	1.9 UJ	NA	NA	NA
AROCLOR-1232	NA	0.95 U	0.95 UJ	NA	NA	NA
AROCLOR-1242	NA	0.95 U	0.95 UJ	NA	NA	NA
AROCLOR-1248	NA	0.95 U	0.95 UJ	NA	NA	NA
AROCLOR-1254	NA	0.95 U	0.95 UJ	NA	NA	NA
AROCLOR-1260	NA	0.95 U	0.95 UJ	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW13IW-01	36-GW14-01	36-TW01-01	36-TW02-01	36-GW10-02	36-GW10DW-01
DATE SAMPLED	05/08/95	05/08/95	03/15/95	03/14/95	07/12/95	07/12/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	1 J	10 U
ACETONE	10 U	10 U	19 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	14 J	10 UJ	10 U	10 U	10 U	10 U
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	3 J	10 U	10 U	10 U	10	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	1 J	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	3 J	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW13IW-01	36-GW14-01	36-TW01-01	36-TW02-01	36-GW10-02	36-GW10DW-01
DATE SAMPLED	05/08/95	05/08/95	03/15/95	03/14/95	07/12/95	07/12/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	NA	NA	11 U	11 U	NA	10 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	11 U	11 U	NA	10 U
2-CHLOROPHENOL	NA	NA	11 U	11 U	NA	10 U
1,3-DICHLOROBENZENE	NA	NA	11 U	11 U	NA	10 U
1,4-DICHLOROBENZENE	NA	NA	11 U	11 U	NA	10 U
1,2-DICHLOROBENZENE	NA	NA	11 U	11 U	NA	10 U
2-METHYLPHENOL	NA	NA	11 U	11 U	NA	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	11 U	11 U	NA	10 U
4-METHYLPHENOL	NA	NA	11 U	11 U	NA	10 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	11 U	11 U	NA	10 U
HEXACHLOROETHANE	NA	NA	11 U	11 U	NA	10 U
NITROBENZENE	NA	NA	11 U	11 U	NA	10 U
ISOPHORONE	NA	NA	11 U	11 U	NA	10 U
2-NITROPHENOL	NA	NA	11 U	11 U	NA	10 U
2,4-DIMETHYLPHENOL	NA	NA	11 U	11 U	NA	10 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	11 U	11 U	NA	10 U
2,4-DICHLOROPHENOL	NA	NA	11 U	11 U	NA	10 U
1,2,4-TRICHLOROBENZENE	NA	NA	11 U	11 U	NA	10 U
NAPHTHALENE	NA	NA	11 U	11 U	NA	10 U
4-CHLOROANILINE	NA	NA	11 U	11 U	NA	10 U
HEXACHLOROBUTADIENE	NA	NA	11 U	11 U	NA	10 U
4-CHLORO-3-METHYLPHENOL	NA	NA	11 U	11 U	NA	10 U
2-METHYLNAPHTHALENE	NA	NA	11 U	11 U	NA	10 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	11 U	11 U	NA	10 U
2,4,6-TRICHLOROPHENOL	NA	NA	11 U	11 U	NA	10 U
2,4,5-TRICHLOROPHENOL	NA	NA	26 U	26 U	NA	24 U
2-CHLORONAPHTHALENE	NA	NA	11 U	11 U	NA	10 U
2-NITROANILINE	NA	NA	26 U	26 U	NA	24 U
DIMETHYLPHTHALATE	NA	NA	11 U	11 U	NA	10 U
ACENAPHTHYLENE	NA	NA	11 U	11 U	NA	10 U
2,6-DINITROTOLUENE	NA	NA	11 U	11 U	NA	10 U
3-NITROANILINE	NA	NA	26 U	26 U	NA	24 U
ACENAPHTHENE	NA	NA	11 U	11 U	NA	10 U
2,4-DINITROPHENOL	NA	NA	26 U	26 U	NA	24 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW13IW-01	36-GW14-01	36-TW01-01	36-TW02-01	36-GW10-02	36-GW10DW-01
DATE SAMPLED	05/08/95	05/08/95	03/15/95	03/14/95	07/12/95	07/12/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	NA	NA	26 U	26 U	NA	24 U
DIBENZOFURAN	NA	NA	11 U	11 U	NA	10 U
2,4-DINITROTOLUENE	NA	NA	11 U	11 U	NA	10 U
DIETHYLPHTHALATE	NA	NA	11 U	11 U	NA	10 U
4-CHLOROPHENYL-PHENYLETHER	NA	NA	11 U	11 U	NA	10 U
FLUORENE	NA	NA	11 U	11 U	NA	10 U
4-NITROANILINE	NA	NA	26 U	26 U	NA	24 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	26 U	26 U	NA	24 U
N-NITROSODIPHENYLAMINE (1)	NA	NA	11 U	11 U	NA	10 U
4-BROMOPHENYL-PHENYLETHER	NA	NA	11 U	11 U	NA	10 U
HEXACHLOROBENZENE	NA	NA	11 U	11 U	NA	10 U
PENTACHLOROPHENOL	NA	NA	26 U	26 U	NA	24 U
PHENANTHRENE	NA	NA	11 U	11 U	NA	10 U
ANTHRACENE	NA	NA	11 U	11 U	NA	10 U
CARBAZOLE	NA	NA	11 U	11 U	NA	10 U
DI-N-BUTYLPHTHALATE	NA	NA	11 U	11 U	NA	10 U
FLUORANTHENE	NA	NA	11 U	11 U	NA	10 U
PYRENE	NA	NA	11 U	11 U	NA	10 U
BUTYLBENZYLPHTHALATE	NA	NA	11 U	11 U	NA	10 U
3,3'-DICHLOROBENZIDINE	NA	NA	11 U	11 U	NA	10 U
BENZO(A)ANTHRACENE	NA	NA	11 U	11 U	NA	10 U
CHRYSENE	NA	NA	11 U	11 U	NA	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	1 J	11 U	NA	10 U
DI-N-OCTYL PHTHALATE	NA	NA	11 U	11 U	NA	10 U
BENZO(B)FLUORANTHENE	NA	NA	11 U	11 U	NA	10 U
BENZO(K)FLUORANTHENE	NA	NA	11 U	11 U	NA	10 U
BENZO(A)PYRENE	NA	NA	11 U	11 U	NA	10 U
INDENO(1,2,3-CD)PYRENE	NA	NA	11 U	11 U	NA	10 U
DIBENZO(A,H)ANTHRACENE	NA	NA	11 U	11 U	NA	10 U
BENZO(G,H,I)PERYLENE	NA	NA	11 U	11 U	NA	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW13IW-01	36-GW14-01	36-TW01-01	36-TW02-01	36-GW10-02	36-GW10DW-01
DATE SAMPLED	05/08/95	05/08/95	03/15/95	03/14/95	07/12/95	07/12/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCB's						
ALPHA-BHC	NA	NA	0.054 UJ	0.05 UJ	0.051 UJ	0.048 UJ
BETA-BHC	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
DELTA-BHC	NA	NA	0.054 UJ	0.05 UJ	0.051 UJ	0.048 UJ
GAMMA-BHC (LINDANE)	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
HEPTACHLOR	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
ALDRIN	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
HEPTACHLOR EPOXIDE	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
ENDOSULFAN I	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
DIELDRIN	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
4,4'-DDE	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
ENDRIN	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
ENDOSULFAN II	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
4,4'-DDD	NA	NA	0.11 UJ	0.1 UJ	0.1 UJ	0.096 UJ
ENDOSULFAN SULFATE	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
4,4'-DDT	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
METHOXYCHLOR	NA	NA	0.54 UJ	0.5 UJ	0.51 U	0.48 UJ
ENDRIN KETONE	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
ENDRIN ALDEHYDE	NA	NA	0.11 UJ	0.1 UJ	0.1 U	0.096 UJ
ALPHA-CHLORDANE	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.048 UJ
GAMMA-CHLORDANE	NA	NA	0.054 UJ	0.05 UJ	0.051 U	0.48 UJ
TOXAPHENE	NA	NA	5.4 UJ	5 UJ	5.1 U	4.8 UJ
AROCLOR-1016	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ
AROCLOR-1221	NA	NA	2.2 UJ	2 UJ	2 U	1.9 UJ
AROCLOR-1232	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ
AROCLOR-1242	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ
AROCLOR-1248	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ
AROCLOR-1254	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ
AROCLOR-1260	NA	NA	1.1 UJ	1 UJ	1 U	0.96 UJ

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-02	36-GW12-02	36-GW12IW-02	36-GW13-02	36-GW13IW-02
DATE SAMPLED	07/11/95	07/11/95	07/11/95	07/11/95	07/11/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES					
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	37	10 U	10 U	13	9 J
CHLOROFORM	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	97	4 J	10 U	5 J	3 J
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	2 J	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	8 J	3 J	10 U	4 J	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-02	36-GW12-02	36-GW12IW-02	36-GW13-02	36-GW13IW-02
DATE SAMPLED	07/11/95	07/11/95	07/11/95	07/11/95	07/11/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES					
PHENOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA
DIMETHYLPHTHALATE	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-02	36-GW12-02	36-GW12IW-02	36-GW13-02	36-GW13IW-02
DATE SAMPLED	07/11/95	07/11/95	07/11/95	07/11/95	07/11/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont					
4-NITROPHENOL	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA
DIETHYLPHTHALATE	NA	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW10IW-02	36-GW12-02	36-GW12IW-02	36-GW13-02	36-GW13IW-02
DATE SAMPLED	07/11/95	07/11/95	07/11/95	07/11/95	07/11/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCB's					
ALPHA-BHC	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA
4,4'-DDD	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
CHLOROMETHANE	10 U	10 U	ND	ND		0/29
BROMOMETHANE	10 U	10 U	ND	ND		0/29
VINYL CHLORIDE	10 U	10 U	ND	ND		0/29
CHLOROETHANE	10 U	10 U	ND	ND		0/29
METHYLENE CHLORIDE	10 U	10 U	1 J	1 J	36-GW10-02	1/29
ACETONE	10 U	19 U	ND	ND		0/29
CARBON DISULFIDE	10 U	10 U	ND	ND		0/29
1,1-DICHLOROETHENE	10 U	10 U	ND	ND		0/29
1,1-DICHLOROETHANE	10 U	10 U	ND	ND		0/29
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	4 J	37	36-GW10IW-02	8/29
CHLOROFORM	10 U	10 U	ND	ND		0/29
1,2-DICHLOROETHANE	10 U	10 U	ND	ND		0/29
2-BUTANONE	10 U	10 U	ND	ND		0/29
1,1,1-TRICHLOROETHANE	10 U	10 U	ND	ND		0/29
CARBON TETRACHLORIDE	10 U	10 U	ND	ND		0/29
BROMODICHLOROMETHANE	10 U	10 U	ND	ND		0/29
1,2-DICHLOROPROPANE	10 U	10 U	ND	ND		0/29
CIS-1,3-DICHLOROPROPENE	10 U.	10 U	ND	ND		0/29
TRICHLOROETHENE	10 U	10 U	3 J	97	36-GW10IW-02	10/29
DIBROMOCHLOROMETHANE	10 U	10 U	ND	ND		0/29
1,1,2-TRICHLOROETHANE	10 U	10 U	ND	ND		0/29
BENZENE	10 U	10 U	ND	ND		0/29
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	ND	ND		0/29
BROMOFORM	10 U	10 U	ND	ND		0/29
4-METHYL-2-PENTANONE	10 U	10 U	ND	ND		0/29
2-HEXANONE	10 U	10 U	ND	ND		0/29
TETRACHLOROETHENE	10 U	10 U	1 J	2 J	36-GW10IW-02	2/29
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	3 J	10	36-GW10IW-01	6/29
TOLUENE	10 U	10 U	ND	ND		0/29
CHLOROBENZENE	10 U	10 U	ND	ND		0/29
ETHYLBENZENE	10 U	10 U	ND	ND		0/29
STYRENE	10 U	10 U	ND	ND		0/29
XYLENE (TOTAL)	10 U	10 U	ND	ND		0/29

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
PHENOL	9 U	11 U	ND	ND		0/17
BIS(2-CHLOROETHYL)ETHER	9 U	11 U	ND	ND		0/17
2-CHLOROPHENOL	9 U	11 U	ND	ND		0/17
1,3-DICHLOROBENZENE	9 U	11 U	ND	ND		0/17
1,4-DICHLOROBENZENE	9 U	11 U	ND	ND		0/17
1,2-DICHLOROBENZENE	9 U	11 U	ND	ND		0/17
2-METHYLPHENOL	9 U	11 U	ND	ND		0/17
2,2'-OXYBIS(1-CHLOROPROPANE)	9 U	11 U	ND	ND		0/13
4-METHYLPHENOL	9 U	11 U	ND	ND		0/17
N-NITROSO-DI-N-PROPYLAMINE	9 U	11 U	ND	ND		0/17
HEXACHLOROETHANE	9 U	11 U	ND	ND		0/17
NITROBENZENE	9 U	11 U	ND	ND		0/17
ISOPHORONE	9 U	11 U	ND	ND		0/17
2-NITROPHENOL	9 U	11 U	ND	ND		0/17
2,4-DIMETHYLPHENOL	9 U	11 U	ND	ND		0/17
BIS(2-CHLOROETHOXY)METHANE	9 U	11 U	ND	ND		0/17
2,4-DICHLOROPHENOL	9 U	11 U	ND	ND		0/17
1,2,4-TRICHLOROBENZENE	9 U	11 U	ND	ND		0/17
NAPHTHALENE	9 U	11 U	ND	ND		0/17
4-CHLOROANILINE	9 U	11 U	ND	ND		0/17
HEXACHLOROBUTADIENE	9 U	11 U	ND	ND		0/17
4-CHLORO-3-METHYLPHENOL	9 U	11 U	ND	ND		0/17
2-METHYLNAPHTHALENE	9 U	11 U	ND	ND		0/17
HEXACHLOROCYCLOPENTADIENE	9 U	11 U	ND	ND		0/17
2,4,6-TRICHLOROPHENOL	9 U	11 U	ND	ND		0/17
2,4,5-TRICHLOROPHENOL	23 U	26 U	ND	ND		0/17
2-CHLORONAPHTHALENE	9 U	11 U	ND	ND		0/17
2-NITROANILINE	23 U	26 U	ND	ND		0/17
DIMETHYLPHTHALATE	9 U	11 U	ND	ND		0/17
ACENAPHTHYLENE	9 U	11 U	ND	ND		0/17
2,6-DINITROTOLUENE	9 U	11 U	ND	ND		0/17
3-NITROANILINE	23 U	26 U	ND	ND		0/17
ACENAPHTHENE	9 U	11 U	ND	ND		0/17
2,4-DINITROPHENOL	23 U	26 U	ND	ND		0/17

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont						
4-NITROPHENOL	23 U	26 U	ND	ND		0/17
DIBENZOFURAN	9 U	11 U	ND	ND		0/17
2,4-DINITROTOLUENE	9 U	11 U	ND	ND		0/17
DIETHYLPHTHALATE	9 U	11 U	ND	ND		0/17
4-CHLOROPHENYL-PHENYLETHER	9 U	11 U	ND	ND		0/17
FLUORENE	9 U	11 U	ND	ND		0/17
4-NITROANILINE	23 U	26 U	ND	ND		0/17
4,6-DINITRO-2-METHYLPHENOL	23 U	26 U	ND	ND		0/17
N-NITROSODIPHENYLAMINE (1)	9 U	11 U	ND	ND		0/17
4-BROMOPHENYL-PHENYLETHER	9 U	11 U	ND	ND		0/17
HEXACHLOROBENZENE	9 U	11 U	ND	ND		0/17
PENTACHLOROPHENOL	23 U	26 U	ND	ND		0/17
PHENANTHRENE	9 U	11 U	ND	ND		0/17
ANTHRACENE	9 U	11 U	ND	ND		0/17
CARBAZOLE	9 U	11 U	ND	ND		0/17
DI-N-BUTYLPHTHALATE	9 U	11 U	ND	ND		0/17
FLUORANTHENE	9 U	11 U	ND	ND		0/17
PYRENE	9 U	11 U	ND	ND		0/17
BUTYLBENZYLPHTHALATE	9 U	11 U	ND	ND		0/17
3,3'-DICHLOROBENZIDINE	9 U	11 U	ND	ND		0/17
BENZO(A)ANTHRACENE	9 U	11 U	ND	ND		0/17
CHRYSENE	9 U	11 U	ND	ND		0/17
BIS(2-ETHYLHEXYL)PHTHALATE	9 U	11 U	1 J	5 J	36-GW09-01	2/17
DI-N-OCTYL PHTHALATE	9 U	11 U	ND	ND		0/17
BENZO(B)FLUORANTHENE	9 U	11 U	ND	ND		0/17
BENZO(K)FLUORANTHENE	9 U	11 U	ND	ND		0/17
BENZO(A)PYRENE	9 U	11 U	ND	ND		0/17
INDENO(1,2,3-CD)PYRENE	9 U	11 U	ND	ND		0/17
DIBENZO(A,H)ANTHRACENE	9 U	11 U	ND	ND		0/17
BENZO(G,H,I)PERYLENE	9 U	11 U	ND	ND		0/17

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDES/PCB's						
ALPHA-BHC	0.046 U	0.054 UJ	ND	ND		0/18
BETA-BHC	0.046 U	0.054 UJ	ND	ND		0/18
DELTA-BHC	0.046 U	0.054 UJ	ND	ND		0/18
GAMMA-BHC (LINDANE)	0.046 U	0.054 UJ	ND	ND		0/18
HEPTACHLOR	0.046 U	0.054 UJ	ND	ND		0/18
ALDRIN	0.046 U	0.054 UJ	ND	ND		0/18
HEPTACHLOR EPOXIDE	0.046 U	0.054 UJ	ND	ND		0/18
ENDOSULFAN I	0.046 U	0.054 UJ	ND	ND		0/18
DIELDRIN	0.092 U	0.11 UJ	ND	ND		0/18
4,4'-DDE	0.092 U	0.11 UJ	ND	ND		0/18
ENDRIN	0.092 U	0.11 UJ	ND	ND		0/18
ENDOSULFAN II	0.092 U	0.11 UJ	ND	ND		0/18
4,4'-DDD	0.092 U	0.11 UJ	0.056 J	0.056 J	36-GW10-01	1/18
ENDOSULFAN SULFATE	0.092 U	0.11 UJ	ND	ND		0/18
4,4'-DDT	0.092 U	0.11 UJ	ND	ND		0/18
METHOXYCHLOR	0.46 UJ	0.54 UJ	ND	ND		0/18
ENDRIN KETONE	0.092 U	0.11 UJ	ND	ND		0/18
ENDRIN ALDEHYDE	0.092 U	0.11 UJ	ND	ND		0/18
ALPHA-CHLORDANE	0.046 U	0.054 UJ	ND	ND		0/18
GAMMA-CHLORDANE	0.046 U	0.48 UJ	ND	ND		0/18
TOXAPHENE	4.6 U	5.4 UJ	ND	ND		0/18
AROCLOR-1016	0.92 U	1.1 UJ	ND	ND		0/18
AROCLOR-1221	1.8 U	2.2 UJ	ND	ND		0/18
AROCLOR-1232	0.92 U	1.1 UJ	ND	ND		0/18
AROCLOR-1242	0.92 U	1.1 UJ	ND	ND		0/18
AROCLOR-1248	0.92 U	1.1 UJ	ND	ND		0/18
AROCLOR-1254	0.92 U	1.1 UJ	ND	ND		0/18
AROCLOR-1260	0.92 U	1.1 UJ	ND	ND		0/18

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW01-01	36-GW02-01	36-GW03-01	36-GW04-01	36-GW05-01	36-GW06-01
DATE SAMPLED	03/28/95	03/27/95	03/26/95	03/26/95	03/26/95	03/27/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
TOTAL METALS						
ALUMINUM, TOTAL	58.3 U	64.9 U	21.9	128	143	590
ANTIMONY, TOTAL	20.7 U	20.7 U	10.9 U	10.9 U	10.9 U	10.9 U
ARSENIC, TOTAL	3.6	3.4	1.9 U	1.9 U	1.9 U	1.9 U
BARIUM, TOTAL	290	69	4.4 U	81.5	43.9	61.5
BERYLLIUM, TOTAL	0.9 U	0.9 U	0.34 U	0.33 U	0.34 U	0.44 U
CADMIUM, TOTAL	2.8 U	2.8 U	2.9 U	2.9 U	2.9 U	2.9 U
CALCIUM, TOTAL	139000	92300	1740	27300	18100	6110
CHROMIUM, TOTAL	2.9 U	2.9 U	4.7 U	4.7 U	4.7 U	4.7 U
COBALT, TOTAL	3 U	3 U	2.3 U	2.3 U	2.3 U	2.3 U
COPPER, TOTAL	2.3 U	1.9 U	4 U	4 U	4 U	4 U
IRON, TOTAL	13300 J	16900 J	160	32.8	692	4870
LEAD, TOTAL	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
MAGNESIUM, TOTAL	13000	28900	274	4420	3830	2630
MANGANESE, TOTAL	1150	452	54.5	19.2	4.9 U	22.3
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	10.8 U	10.8 U	4.2 U	4.2 U	4.2 U	4.2 U
POTASSIUM, TOTAL	11600	37500	2470	1340	620	854
SELENIUM, TOTAL	1.4 U	1.4 U	1.5 U	1.6	1.5 U	1.5 U
SILVER, TOTAL	3 U	3 U	2.5 U	2.5 U	2.5 U	2.5 U
SODIUM, TOTAL	14800	46400	42200	11200	10600	11600
THALLIUM, TOTAL	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	2.3 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U
ZINC, TOTAL	3.8 U	3.8 U	1.9 U	1.9 U	1.9 U	1.9 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW06DW-01	36-GW07DW-01	36-GW07-01	36-GW08-01	36-GW09-01	36-GW10-01
DATE SAMPLED	03/26/95	03/26/95	03/26/95	03/27/95	03/27/95	03/25/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
TOTAL METALS						
ALUMINUM, TOTAL	16.8 U	16.8 U	16.8 U	136 U	72.9	16.8 U
ANTIMONY, TOTAL	10.9 U	10.9 U	10.9 U	20.7 U	10.9 U	10.9 U
ARSENIC, TOTAL	1.9 U	1.9 U	1.9 U	1.6 U	1.9 U	1.9 U
BARIUM, TOTAL	2.9 U	2.8 U	12.3	54.5	45.8	49.2
BERYLLIUM, TOTAL	0.35 U	0.35 U	0.3 U	0.9 U	0.76 U	0.3 U
CADMIUM, TOTAL	2.9 U	2.9 U	2.9 U	2.8 U	2.9 U	2.9 U
CALCIUM, TOTAL	45700	42500	70600	28600	165000	121000
CHROMIUM, TOTAL	4.7 U	4.7 U	4.7 U	2.9 U	4.7 U	4.7 U
COBALT, TOTAL	2.3 U	2.3 U	2.3 U	3 U	6.4 U	2.3 U
COPPER, TOTAL	4 U	4 U	4 U	1.9 U	4 U	4 U
IRON, TOTAL	49.5	27.4	341	172 J	2880	3.3
LEAD, TOTAL	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
MAGNESIUM, TOTAL	2580	2020	1930	4430	41500	5960
MANGANESE, TOTAL	34.7	40.8	37.7	21.1	3180	207
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	4.2 U	4.2 U	4.2 U	10.8 U	7.4	4.2 U
POTASSIUM, TOTAL	5930	4260	1230	6450	26000	1150
SELENIUM, TOTAL	1.5 U	1.5 U	1.5 U	1.4 U	1.5 UJ	1.5 U
SILVER, TOTAL	2.5 U	2.5 U	2.5 U	3 U	2.5 U	2.5 U
SODIUM, TOTAL	33400	33100	13500	17700	49100	12800
THALLIUM, TOTAL	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	2.1 U	2.1 U	2.3 U	2.3 U	2.1 U	2.1 U
ZINC, TOTAL	166	1.9 U	1.9 U	16.8 U	224	1.9 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW10IW-01	36-GW11-01	36-GW11DW-01	36-GW12-01	36-GW12IW-01	36-GW13-01
DATE SAMPLED	05/09/95	03/27/95	03/27/95	05/08/95	05/08/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
TOTAL METALS						
ALUMINUM, TOTAL	88.4 U	31.2 U	16.8 U	705	36.8 U	41.1 U
ANTIMONY, TOTAL	12 U	20.7 U	10.9 U	12 U	12 U	12 U
ARSENIC, TOTAL	1.5 U	1.6 U	1.9 U	1.5 U	1.5 U	1.5 U
BARIUM, TOTAL	28.4	57.8	11.5	41.2	52.2	23.2
BERYLLIUM, TOTAL	0.3 U	0.9 U	0.33 U	0.3 U	0.3 U	0.3 U
CADMIUM, TOTAL	3.9 U	2.8 U	3	3.9 U	3.9 U	3.9 U
CALCIUM, TOTAL	159000	191000	50400	106000	102000	120000
CHROMIUM, TOTAL	3.8 U	2.9 U	4.7 U	3.8 U	3.8 U	3.8 U
COBALT, TOTAL	1.4 U	3 U	2.3 U	1.7 U	1.4 U	1.4 U
COPPER, TOTAL	1.8 U	2 U	4 U	1.8 U	1.8 U	1.8 U
IRON, TOTAL	101	375 J	106	686	17.1 U	337
LEAD, TOTAL	1.6 U	1.6 U	1.6 U	3.4 U	14.7	1.9 U
MAGNESIUM, TOTAL	11300	42800	21700	4690	4030	4640
MANGANESE, TOTAL	92.4	126	84	44.6	51.3	183
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	5.4 U	10.8 U	4.2 U	5.4 U	5.4 U	5.4 U
POTASSIUM, TOTAL	3850	37900	20100	2650	3210	2310
SELENIUM, TOTAL	1.8 U	3.3	1.5 U	1.8 U	1.8 U	1.8 U
SILVER, TOTAL	1.9 U	3 U	2.5 U	1.9 U	1.9 U	1.9 U
SODIUM, TOTAL	41300	46100	70700	13900	19200	13000
THALLIUM, TOTAL	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	1.5 U	2.3 U	2.1 U	2.9 U	1.5 U	1.5 U
ZINC, TOTAL	2.5 U	6.5 U	1.9 U	3.9 U	2.8 U	2.4 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW13IW-01	36-GW14-01	36-TW02-01	36-GW10DW-01
DATE SAMPLED	05/08/95	05/08/95	03/14/95	07/12/95
UNITS	UG/L	UG/L	UG/L	UG/L
TOTAL METALS				
ALUMINUM, TOTAL	58 U	386	155 U	56.3
ANTIMONY, TOTAL	12 U	12 U	20.7 U	18.1 U
ARSENIC, TOTAL	1.5 U	1.5 U	1.9 U	1.8 U
BARIUM, TOTAL	12.3	36.7	204	15.1
BERYLLIUM, TOTAL	0.3 U	0.3 U	0.9 U	0.3 U
CADMIUM, TOTAL	3.9 U	3.9 U	2.8 U	3.7 U
CALCIUM, TOTAL	76300	47800	68400	39000
CHROMIUM, TOTAL	4.5 U	3.8 U	2.9 U	3.8 U
COBALT, TOTAL	1.4 U	1.4 U	3 U	1.1 U
COPPER, TOTAL	1.8 U	1.8 U	1.9 U	2.3 U
IRON, TOTAL	425	6650	7640	18.9
LEAD, TOTAL	12.7	0.9 U	1 U	2.2
MAGNESIUM, TOTAL	9590	2480	36200	16000
MANGANESE, TOTAL	66.6	31.6	210	2.2
MERCURY, TOTAL	0.2 U	0.2 U	1.4	0.2 U
NICKEL, TOTAL	5.4 U	5.4 U	65.2	4.8 U
POTASSIUM, TOTAL	5060	758	15300	24700
SELENIUM, TOTAL	1.8 U	1.8 U	1.5 U	1.6 U
SILVER, TOTAL	1.9 U	1.9 U	3 U	2.4 U
SODIUM, TOTAL	40200	6710	308000	61700
THALLIUM, TOTAL	0.7 U	0.7 U	1.1 U	1.3 U
VANADIUM, TOTAL	1.5 U	1.5 U	2.6	6.7
ZINC, TOTAL	2.2 U	4.7 U	8.5	3.7

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
ALUMINUM, TOTAL	16.8 U	155 U	21.9	705	36-GW12-01	8/22
ANTIMONY, TOTAL	10.9 U	20.7 U	ND	ND		0/22
ARSENIC, TOTAL	1.5 U	1.9 U	3.4	3.6	36-GW01-01	2/22
BARIUM, TOTAL	2.8 U	4.4 U	11.5	290	36-GW01-01	19/22
BERYLLIUM, TOTAL	0.3 U	0.9 U	ND	ND		0/22
CADMIUM, TOTAL	2.8 U	3.9 U	3	3	36-GW11DW-01	1/22
CALCIUM, TOTAL	NA	NA	1740	191000	36-GW11-01	22/22
CHROMIUM, TOTAL	2.9 U	4.7 U	ND	ND		0/22
COBALT, TOTAL	1.1 U	6.4 U	ND	ND		0/22
COPPER, TOTAL	1.8 U	4 U	ND	ND		0/22
IRON, TOTAL	17.1 U	17.1 U	3.3	16900 J	36-GW02-01	21/22
LEAD, TOTAL	0.9 U	3.4 U	2.2	14.7	36-GW12IW-01	3/22
MAGNESIUM, TOTAL	NA	NA	274	42800	36-GW11-01	22/22
MANGANESE, TOTAL	4.9 U	4.9 U	2.2	3180	36-GW09-01	21/22
MERCURY, TOTAL	0.2 U	0.2 U	1.4	1.4	36-TW02-01	1/22
NICKEL, TOTAL	4.2 U	10.8 U	7.4	65.2	36-TW02-01	2/22
POTASSIUM, TOTAL	NA	NA	620	37900	36-GW11-01	22/22
SELENIUM, TOTAL	1.4 U	1.8 U	1.6	3.3	36-GW11-01	2/22
SILVER, TOTAL	1.9 U	3 U	ND	ND		0/22
SODIUM, TOTAL	NA	NA	6710	308000	36-TW02-01	22/22
THALLIUM, TOTAL	0.7 U	1.3 U	ND	ND		0/22
VANADIUM, TOTAL	1.5 U	2.9 U	2.6	6.7	36-GW10DW-01	2/22
ZINC, TOTAL	1.9 U	16.8 U	3.7	224	36-GW09-01	4/22

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION	36-GW01D-01	36-GW08D-01	36-GW14D-01	36-TW02D-01
DATE SAMPLED	03/28/95	03/27/95	05/08/95	03/14/95
UNITS	UG/L	UG/L	UG/L	UG/L
DISSOLVED METALS				
ALUMINUM, SOLUBLE	24 U	149 U	21.9 U	91.1 U
ANTIMONY, SOLUBLE	20.7 U	20.7 U	12 U	20.7 U
ARSENIC, SOLUBLE	1.9	1.6 U	1.5 U	1.9 U
BARIUM, SOLUBLE	278	57.7	35	200
BERYLLIUM, SOLUBLE	0.9 U	0.9 U	0.3 U	0.9 U
CADMIUM, SOLUBLE	2.8 U	2.8 U	3.9 U	2.8 U
CALCIUM, SOLUBLE	134000	28000	49700	68500
CHROMIUM, SOLUBLE	2.9 U	2.9 U	3.8 U	2.9 U
COBALT, SOLUBLE	3 U	3 U	1.4 U	3 U
COPPER, SOLUBLE	1.9 U	1.9 U	1.8 U	1.9 U
IRON, SOLUBLE	12700 J	155 J	5570	7170
LEAD, SOLUBLE	1.6 U	1.6 U	1.1 U	1 U
MAGNESIUM, SOLUBLE	12400	4580	2500	36200
MANGANESE, SOLUBLE	1110	24.5	32.7	208
MERCURY, SOLUBLE	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, SOLUBLE	10.8 U	10.8 U	5.4 U	66.4
POTASSIUM, SOLUBLE	10500	6690	793	15900
SELENIUM, SOLUBLE	1.4 UJ	1.4 UJ	1.8 U	1.5 U
SILVER, SOLUBLE	3 U	3 U	1.9 U	3 U
SODIUM, SOLUBLE	14200	18600	6700	313000
THALLIUM, SOLUBLE	0.7 U	0.7 U	0.7 U	1.1 U
VANADIUM, SOLUBLE	2.3 U	2.3 U	1.5 U	2.3 U
ZINC, SOLUBLE	4.8 U	12.2 U	3.1 U	10.4

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
DISSOLVED METALS						
ALUMINUM, SOLUBLE	21.9 U	149 U	ND	ND		0/4
ANTIMONY, SOLUBLE	12 U	20.7 U	ND	ND		0/4
ARSENIC, SOLUBLE	1.5 U	1.9 U	1.9	1.9	36-GW01D-01	1/4
BARIUM, SOLUBLE	NA	NA	35	278	36-GW01D-01	4/4
BERYLLIUM, SOLUBLE	0.3 U	0.9 U	ND	ND		0/4
CADMIUM, SOLUBLE	2.8 U	3.9 U	ND	ND		0/4
CALCIUM, SOLUBLE	NA	NA	28000	134000	36-GW01D-01	4/4
CHROMIUM, SOLUBLE	2.9 U	3.8 U	ND	ND		0/4
COBALT, SOLUBLE	1.4 U	3 U	ND	ND		0/4
COPPER, SOLUBLE	1.8 U	1.9 U	ND	ND		0/4
IRON, SOLUBLE	NA	NA	155 J	12700 J	36-GW01D-01	4/4
LEAD, SOLUBLE	1 U	1.6 U	ND	ND		0/4
MAGNESIUM, SOLUBLE	NA	NA	2500	36200	36-TW02D-01	4/4
MANGANESE, SOLUBLE	NA	NA	24.5	1110	36-GW01D-01	4/4
MERCURY, SOLUBLE	0.2 U	0.2 U	ND	ND		0/4
NICKEL, SOLUBLE	5.4 U	10.8 U	66.4	66.4	36-TW02D-01	1/4
POTASSIUM, SOLUBLE	NA	NA	793	15900	36-TW02D-01	4/4
SELENIUM, SOLUBLE	1.4 UJ	1.8 U	ND	ND		0/4
SILVER, SOLUBLE	1.9 U	3 U	ND	ND		0/4
SODIUM, SOLUBLE	NA	NA	6700	313000	36-TW02D-01	4/4
THALLIUM, SOLUBLE	0.7 U	1.1 U	ND	ND		0/4
VANADIUM, SOLUBLE	1.5 U	2.3 U	ND	ND		0/4
ZINC, SOLUBLE	3.1 U	12.2 U	10.4	10.4	36-TW02D-01	1/4

SURFACE WATER

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW01	36-SW02	36-SW03	36-SW04	36-SW05	36-SW06
DATE SAMPLED	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
Chloromethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Bromomethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Vinyl Chloride	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Chloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Methylene Chloride	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Acetone	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Carbon Disulfide	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,2-Dichloroethene (total)	10 U	7	10 U	10 U	10 UJ	10 UJ
Chloroform	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Butanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Bromodichloromethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Trichloroethene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Dibromochloromethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Benzene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Bromoform	10 U	10 U	10 U	10 U	10 UJ	10 UJ
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Hexanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Tetrachloroethene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Toluene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Chlorobenzene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Ethylbenzene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Styrene	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Xylene (total)	10 U	10 U	10 U	10 U	10 UJ	10 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW01	36-SW02	36-SW03	36-SW04	36-SW05	36-SW06
DATE SAMPLED	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
Phenol	10 UJ	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ
bis(2-Chloroethyl)ether	10 U	11 U	10 U	10 UJ	10 UJ	10 U
2-Chlorophenol	10 U	11 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
1,4-Dichlorobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
1,2-Dichlorobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
2-Methylphenol	10 U	11 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	11 U	10 U	10 UJ	10 UJ	10 U
4-Methylphenol	10 U	11 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	11 U	10 U	10 UJ	10 UJ	10 U
Hexachloroethane	10 U	11 U	10 U	10 U	10 UJ	10 U
Nitrobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
Isophorone	10 U	11 U	10 U	10 U	10 UJ	10 U
2-Nitrophenol	10 U	11 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	11 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	11 U	10 U	10 U	10 UJ	10 U
2,4-Dichlorophenol	10 U	11 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
Naphthalene	10 U	11 U	10 U	10 U	10 UJ	10 U
4-Chloroaniline	10 U	11 U	10 U	10 U	10 UJ	10 U
Hexachlorobutadiene	10 U	11 U	10 U	10 U	10 UJ	10 U
4-Chloro-3-methylphenol	10 U	11 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	11 U	10 U	10 U	10 UJ	10 U
Hexachlorocyclopentadiene	10 U	11 U	10 U	10 U	10 UJ	10 U
2,4,6-Trichlorophenol	10 U	11 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25 U	28 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	10 U	11 U	10 U	10 U	10 UJ	10 U
2-Nitroaniline	25 U	28 U	25 U	25 U	25 UJ	25 U
Dimethylphthalate	10 UJ	11 UJ	10 UJ	10 U	10 UJ	10 UJ
Acenaphthylene	10 U	11 U	10 U	10 U	10 UJ	10 U
2,6-Dinitrotoluene	10 U	11 U	10 U	10 U	10 UJ	10 U
3-Nitroaniline	25 U	28 U	25 U	25 U	25 UJ	25 U
Acenaphthene	10 U	11 U	10 U	10 U	10 UJ	10 U
2,4-Dinitrophenol	25 UJ	28 UJ	25 UJ	25 UJ	25 UJ	25 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW01	36-SW02	36-SW03	36-SW04	36-SW05	36-SW06
DATE SAMPLED	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont.						
Dibenzofuran	10 U	11 U	10 U	10 U	10 UJ	10 U
4-Nitrophenol	10 U	11 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrotoluene	10 U	11 U	10 U	10 U	10 UJ	10 U
Diethylphthalate	10 U	11 U	10 U	10 U	10 UJ	10 U
Fluorene	10 U	11 U	10 U	10 U	10 UJ	10 U
4-Chlorophenyl-phenylether	10 U	11 U	10 U	10 U	10 UJ	10 U
4-Nitroaniline	25 U	28 U	25 U	25 U	25 UJ	25 U
4,6-Dinitro-2-methylphenol	25 U	28 U	25 U	25 UJ	25 U	25 U
N-Nitrosodiphenylamine	10 UJ	11 UJ	10 UJ	10 U	10 UJ	10 UJ
4-Bromophenyl-phenylether	10 U	11 U	10 U	10 U	10 UJ	10 U
Hexachlorobenzene	10 U	11 U	10 U	10 U	10 UJ	10 U
Pentachlorophenol	25 U	28 U	25 U	25 U	25 U	25 U
Phenanthrene	10 U	11 U	10 U	10 U	10 UJ	10 U
Anthracene	10 U	11 U	10 U	10 U	10 UJ	10 U
Carbazole	10 U	11 U	10 U	10 U	10 UJ	10 U
Di-n-butylphthalate	10 U	11 U	10 U	10 U	10 UJ	10 U
Fluoranthene	10 U	11 U	10 U	10 U	10 UJ	10 U
Pyrene	10 U	11 U	10 U	10 U	10 UJ	10 U
Butylbenzylphthalate	10 UJ	11 UJ	10 UJ	10 U	10 UJ	10 UJ
Benzo(a)anthracene	10 U	11 U	10 U	10 U	10 UJ	10 U
3,3'-Dichlorobenzidine	10 U	11 U	10 U	10 U	10 UJ	10 U
Chrysene	10 U	11 U	10 U	10 U	10 UJ	10 UJ
bis(2-Ethylhexyl)phthalate	10 UJ	11 UJ	10 UJ	10 U	10 UJ	10 UJ
Di-n-octylphthalate	10 UJ	11 UJ	10 UJ	10 U	10 UJ	10 U
Benzo(b)fluoranthene	10 U	11 U	10 U	10 U	10 UJ	10 U
Benzo(k)fluoranthene	10 U	11 U	10 U	10 U	10 UJ	10 U
Benzo(a)pyrene	10 U	11 U	10 U	10 U	10 UJ	10 U
Indeno(1,2,3-cd)pyrene	10 U	11 U	10 U	10 U	10 UJ	10 U
Dibenz(a,h)anthracene	10 U	11 U	10 U	10 U	10 UJ	10 U
Benzo(g,h,i)perylene	10 U	11 U	10 U	10 U	10 UJ	10 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW07
DATE SAMPLED	04/19/94
UNITS	UG/L
VOLATILES	
Chloromethane	10 UJ
Bromomethane	10 UJ
Vinyl Chloride	10 UJ
Chloroethane	10 UJ
Methylene Chloride	10 UJ
Acetone	10 UJ
Carbon Disulfide	10 UJ
1,1-Dichloroethene	10 UJ
1,1-Dichloroethane	10 UJ
1,2-Dichloroethene (total)	10 UJ
Chloroform	10 UJ
1,2-Dichloroethane	10 UJ
2-Butanone	10 UJ
1,1,1-Trichloroethane	10 UJ
Carbon Tetrachloride	10 UJ
Bromodichloromethane	10 UJ
1,2-Dichloropropane	10 UJ
cis-1,3-Dichloropropene	10 UJ
Trichloroethene	10 UJ
Dibromochloromethane	10 UJ
1,1,2-Trichloroethane	10 UJ
Benzene	10 UJ
trans-1,3-Dichloropropene	10 UJ
Bromoform	10 UJ
4-Methyl-2-Pentanone	10 UJ
2-Hexanone	10 UJ
Tetrachloroethene	10 UJ
1,1,2,2-Tetrachloroethane	10 UJ
Toluene	10 UJ
Chlorobenzene	10 UJ
Ethylbenzene	10 UJ
Styrene	10 UJ
Xylene (total)	10 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW07
DATE SAMPLED	04/19/94
UNITS	UG/L

SEMIVOLATILES	
Phenol	11 UJ
bis(2-Chloroethyl)ether	11 U
2-Chlorophenol	11 U
1,3-Dichlorobenzene	11 U
1,4-Dichlorobenzene	11 U
1,2-Dichlorobenzene	11 U
2-Methylphenol	11 U
2,2'-oxybis(1-Chloropropane)	11 U
4-Methylphenol	11 U
N-Nitroso-di-n-propylamine	11 U
Hexachloroethane	11 U
Nitrobenzene	11 U
Isophorone	11 U
2-Nitrophenol	11 U
2,4-Dimethylphenol	11 U
bis(2-Chloroethoxy)methane	11 U
2,4-Dichlorophenol	11 U
1,2,4-Trichlorobenzene	11 U
Naphthalene	11 U
4-Chloroaniline	11 U
Hexachlorobutadiene	11 U
4-Chloro-3-methylphenol	11 U
2-Methylnaphthalene	11 U
Hexachlorocyclopentadiene	11 U
2,4,6-Trichlorophenol	11 U
2,4,5-Trichlorophenol	28 U
2-Chloronaphthalene	11 U
2-Nitroaniline	28 U
Dimethylphthalate	11 UJ
Acenaphthylene	11 U
2,6-Dinitrotoluene	11 U
3-Nitroaniline	28 U
Acenaphthene	11 U
2,4-Dinitrophenol	28 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW07
DATE SAMPLED	04/19/94
UNITS	UG/L

SEMIVOLATILES cont.	
Dibenzofuran	11 U
4-Nitrophenol	11 UJ
2,4-Dinitrotoluene	11 U
Diethylphthalate	11 U
Fluorene	11 U
4-Chlorophenyl-phenylether	11 U
4-Nitroaniline	28 U
4,6-Dinitro-2-methylphenol	28 U
N-Nitrosodiphenylamine	11 UJ
4-Bromophenyl-phenylether	11 U
Hexachlorobenzene	11 U
Pentachlorophenol	28 U
Phenanthrene	11 U
Anthracene	11 U
Carbazole	11 U
Di-n-butylphthalate	11 U
Fluoranthene	11 U
Pyrene	11 U
Butylbenzylphthalate	11 UJ
Benzo(a)anthracene	11 U
3,3'-Dichlorobenzidine	11 U
Chrysene	11 UJ
bis(2-Ethylhexyl)phthalate	11 UJ
Di-n-octylphthalate	11 U
Benzo(b)fluoranthene	11 U
Benzo(k)fluoranthene	11 U
Benzo(a)pyrene	11 U
Indeno(1,2,3-cd)pyrene	11 U
Dibenz(a,h)anthracene	11 U
Benzo(g,h,i)perylene	11 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	10 U	10 U	ND	ND		0/7
Bromomethane	10 U	10 U	ND	ND		0/7
Vinyl Chloride	10 U	10 U	ND	ND		0/7
Chloroethane	10 U	10 U	ND	ND		0/7
Methylene Chloride	10 U	10 U	ND	ND		0/7
Acetone	10 U	10 U	ND	ND		0/7
Carbon Disulfide	10 U	10 U	ND	ND		0/7
1,1-Dichloroethene	10 U	10 U	ND	ND		0/7
1,1-Dichloroethane	10 U	10 U	ND	ND		0/7
1,2-Dichloroethene (total)	10 U	10 U	7	7	36-SW02	1/7
Chloroform	10 U	10 U	ND	ND		0/7
1,2-Dichloroethane	10 U	10 U	ND	ND		0/7
2-Butanone	10 U	10 U	ND	ND		0/7
1,1,1-Trichloroethane	10 U	10 U	ND	ND		0/7
Carbon Tetrachloride	10 U	10 U	ND	ND		0/7
Bromodichloromethane	10 U	10 U	ND	ND		0/7
1,2-Dichloropropane	10 U	10 U	ND	ND		0/7
cis-1,3-Dichloropropene	10 U	10 U	ND	ND		0/7
Trichloroethene	10 U	10 U	ND	ND		0/7
Dibromochloromethane	10 U	10 U	ND	ND		0/7
1,1,2-Trichloroethane	10 U	10 U	ND	ND		0/7
Benzene	10 U	10 U	ND	ND		0/7
trans-1,3-Dichloropropene	10 U	10 U	ND	ND		0/7
Bromoform	10 U	10 U	ND	ND		0/7
4-Methyl-2-Pentanone	10 U	10 U	ND	ND		0/7
2-Hexanone	10 U	10 U	ND	ND		0/7
Tetrachloroethene	10 U	10 U	ND	ND		0/7
1,1,2,2-Tetrachloroethane	10 U	10 U	ND	ND		0/7
Toluene	10 U	10 U	ND	ND		0/7
Chlorobenzene	10 U	10 U	ND	ND		0/7
Ethylbenzene	10 U	10 U	ND	ND		0/7
Styrene	10 U	10 U	ND	ND		0/7
Xylene (total)	10 U	10 U	ND	ND		0/7

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
Phenol	10 UJ	11 UJ	ND	ND		0/7
bis(2-Chloroethyl)ether	10 U	11 U	ND	ND		0/7
2-Chlorophenol	10 U	11 U	ND	ND		0/7
1,3-Dichlorobenzene	10 U	11 U	ND	ND		0/7
1,4-Dichlorobenzene	10 U	11 U	ND	ND		0/7
1,2-Dichlorobenzene	10 U	11 U	ND	ND		0/7
2-Methylphenol	10 U	11 U	ND	ND		0/7
2,2'-oxybis(1-Chloropropane)	10 U	11 U	ND	ND		0/7
4-Methylphenol	10 U	11 U	ND	ND		0/7
N-Nitroso-di-n-propylamine	10 U	11 U	ND	ND		0/7
Hexachloroethane	10 U	11 U	ND	ND		0/7
Nitrobenzene	10 U	11 U	ND	ND		0/7
Isophorone	10 U	11 U	ND	ND		0/7
2-Nitrophenol	10 U	11 U	ND	ND		0/7
2,4-Dimethylphenol	10 U	11 U	ND	ND		0/7
bis(2-Chloroethoxy)methane	10 U	11 U	ND	ND		0/7
2,4-Dichlorophenol	10 U	11 U	ND	ND		0/7
1,2,4-Trichlorobenzene	10 U	11 U	ND	ND		0/7
Naphthalene	10 U	11 U	ND	ND		0/7
4-Chloroaniline	10 U	11 U	ND	ND		0/7
Hexachlorobutadiene	10 U	11 U	ND	ND		0/7
4-Chloro-3-methylphenol	10 U	11 U	ND	ND		0/7
2-Methylnaphthalene	10 U	11 U	ND	ND		0/7
Hexachlorocyclopentadiene	10 U	11 U	ND	ND		0/7
2,4,6-Trichlorophenol	10 U	11 U	ND	ND		0/7
2,4,5-Trichlorophenol	25 U	28 U	ND	ND		0/7
2-Chloronaphthalene	10 U	11 U	ND	ND		0/7
2-Nitroaniline	25 U	28 U	ND	ND		0/7
Dimethylphthalate	10 UJ	11 UJ	ND	ND		0/7
Acenaphthylene	10 U	11 U	ND	ND		0/7
2,6-Dinitrotoluene	10 U	11 U	ND	ND		0/7
3-Nitroaniline	25 U	28 U	ND	ND		0/7
Acenaphthene	10 U	11 U	ND	ND		0/7
2,4-Dinitrophenol	25 UJ	28 UJ	ND	ND		0/7

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
Dibenzofuran	10 U	11 U	ND	ND		0/7
4-Nitrophenol	10 U	11 U	ND	ND		0/7
2,4-Dinitrotoluene	10 U	11 U	ND	ND		0/7
Diethylphthalate	10 U	11 U	ND	ND		0/7
Fluorene	10 U	11 U	ND	ND		0/7
4-Chlorophenyl-phenylether	10 U	11 U	ND	ND		0/7
4-Nitroaniline	25 U	28 U	ND	ND		0/7
4,6-Dinitro-2-methylphenol	25 U	28 U	ND	ND		0/7
N-Nitrosodiphenylamine	10 UJ	11 UJ	ND	ND		0/7
4-Bromophenyl-phenylether	10 U	11 U	ND	ND		0/7
Hexachlorobenzene	10 U	11 U	ND	ND		0/7
Pentachlorophenol	25 U	28 U	ND	ND		0/7
Phenanthrene	10 U	11 U	ND	ND		0/7
Anthracene	10 U	11 U	ND	ND		0/7
Carbazole	10 U	11 U	ND	ND		0/7
Di-n-butylphthalate	10 U	11 U	ND	ND		0/7
Fluoranthene	10 U	11 U	ND	ND		0/7
Pyrene	10 U	11 U	ND	ND		0/7
Butylbenzylphthalate	10 UJ	11 UJ	ND	ND		0/7
Benzo(a)anthracene	10 U	11 U	ND	ND		0/7
3,3'-Dichlorobenzidine	10 U	11 U	ND	ND		0/7
Chrysene	10 U	11 U	ND	ND		0/7
bis(2-Ethylhexyl)phthalate	10 UJ	11 UJ	ND	ND		0/7
Di-n-octylphthalate	10 UJ	11 UJ	ND	ND		0/7
Benzo(b)fluoranthene	10 U	11 U	ND	ND		0/7
Benzo(k)fluoranthene	10 U	11 U	ND	ND		0/7
Benzo(a)pyrene	10 U	11 U	ND	ND		0/7
Indeno(1,2,3-cd)pyrene	10 U	11 U	ND	ND		0/7
Dibenz(a,h)anthracene	10 U	11 U	ND	ND		0/7
Benzo(g,h,i)perylene	10 U	11 U	ND	ND		0/7

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SW01	36-SW02	36-SW03	36-SW04	36-SW05	36-SW06
DATE SAMPLED	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94	04/19/94
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
TOTAL METALS						
Aluminum	1 U	1 U	2.4	1 U	1.3	1.2 J
Antimony	2 J	1 U	2.8	1.9 J	3.9	1 U
Arsenic	1 U	1 U	1 U	1.3 U	2.4 U	1 U
Barium	12.1	27.3	39.8	22.2 U	19.6 U	18.2 U
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	1 U	1 U	1 U	1 U	1 U	1 U
Calcium	19500	44400	44300 U	33700	41700	44000
Chromium	1.7 U	1.7 U	5.8 U	3.8 U	1.7 U	1.9 U
Cobalt	24.3 U	9 U	9 U	9 U	9 U	9 U
Copper	56.5	15.8 U	16.5 U	12.3 U	7 U	8 U
Iron	2710 J	2320 J	4840 J	1370 J	967 J	1070 J
Lead	15.9 U	8.5 U	20.9 U	21 U	3.3 U	3.1 U
Magnesium	719 U	1550	7850	6420	17900	13200
Manganese	58.4	91.2	126	12.7 U	31.9	29.5
Mercury	0.14 U	0.11 U	0.22 U	0.33 U	0.17 U	0.35 U
Molybdenum	33 UJ	33 UJ	50 J	35 J	65 J	57 J
Nickel	28.3	31.4	16.4	23.2	10 U	10 U
Potassium	18800	5310	8020	6170	8210	7490
Selenium	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ
Silver	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	330000	99500	82000	95500	192000	136000
Thallium	1 UJ	1 UJ	1 UJ	1.1 J	1 UJ	1 UJ
Vanadium	387	131	79	85	11.2	9
Zinc	55.8 U	38.2 U	55.4 U	42.1 U	28.1 U	14.6 U
Hardness mg/L CaCO3	74	122	130	116	194	180

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SW07	
DATE SAMPLED	04/19/94	
UNITS	UG/L	
TOTAL METALS		
Aluminum	1	
Antimony	2.4	J
Arsenic	1	U
Barium	18.3	U
Beryllium	1	U
Cadmium	1	U
Calcium	48800	
Chromium	2.7	U
Cobalt	9	U
Copper	5.3	U
Iron	1380	J
Lead	2.9	U
Magnesium	9300	
Manganese	24.5	
Mercury	0.33	U
Molybdenum	46	J
Nickel	10	U
Potassium	5920	
Selenium	1	U
Silver	1	U
Sodium	103000	
Thallium	1	UJ
Vanadium	4.5	
Zinc	16.3	U
Hardness mg/L CaCO3	158	

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
Aluminum	1 U	1 U	1	2.4	36-SW03	4/7
Antimony	1 U	1 U	1.9 J	3.9	36-SW05	5/7
Arsenic	1 U	2.4 U	ND	ND		0/7
Barium	18.2 U	22.2 U	12.1	39.8	36-SW03	3/7
Beryllium	1 U	1 U	ND	ND		0/7
Cadmium	1 U	1 U	ND	ND		0/7
Calcium	44300 U	44300 U	19500	48800	36-SW07	6/7
Chromium	1.7 U	5.8 U	ND	ND		0/7
Cobalt	9 U	24.3 U	ND	ND		0/7
Copper	5.3 U	16.5 U	56.5	56.5	36-SW01	1/7
Iron	NA	NA	967 J	4840 J	36-SW03	7/7
Lead	2.9 U	21 U	ND	ND		0/7
Magnesium	719 U	719 U	1550	17900	36-SW05	6/7
Manganese	12.7 U	12.7 U	24.5	126	36-SW03	6/7
Mercury	0.11 U	0.35 U	ND	ND		0/7
Molybdenum	33 UJ	33 UJ	35 J	65 J	36-SW05	5/7
Nickel	10 U	10 U	16.4	31.4	36-SW02	4/7
Potassium	NA	NA	5310	18800	36-SW01	7/7
Selenium	1 UJ	1 UJ	ND	ND		0/7
Silver	1 U	1 U	ND	ND		0/7
Sodium	NA	NA	82000	330000	36-SW01	7/7
Thallium	1 UJ	1 UJ	1.1 J	1.1 J	36-SW04	1/7
Vanadium	NA	NA	4.5	387	36-SW01	7/7
Zinc	14.6 U	55.8 U	ND	ND		0/7
Hardness mg/L CaCO3	NA	NA	74	194	36-SW05	7/7

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION	36-DSW01	36-DSW02	36-DSW03	36-DSW04	36-DSW05	36-DSW06
DATE SAMPLED	05/05/95	05/05/95	05/05/95	05/05/95	05/05/95	05/05/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DISSOLVED METALS						
ALUMINUM, SOLUBLE	37.9	21.2 U	21.2 U	21.2 U	21.2 U	62
ANTIMONY, SOLUBLE	20.8 U	20.8 U	20.8 U	20.8 U	20.8 U	20.8 U
ARSENIC, SOLUBLE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
BARIUM, SOLUBLE	5.3	19.1	11.7	32.6	25	22.6
BERYLLIUM, SOLUBLE	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
CADMIUM, SOLUBLE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.7
CALCIUM, SOLUBLE	9470	40300	30200	86400	107000	110000
CHROMIUM, SOLUBLE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
COBALT, SOLUBLE	4.1	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
COPPER, SOLUBLE	19	4.9	3.4	2.6	4.8	1.8 U
IRON, SOLUBLE	1340	1630	1240	145	29.6 U	23.6 U
LEAD, SOLUBLE	9.8 J	15.6 J	9.1 J	0.8 J	0.8 UJ	0.8 UJ
MAGNESIUM, SOLUBLE	688	1420	1910	187000	271000	271000
MANGANESE, SOLUBLE	83.5	63.6	28.6	50.9	23.8	26.6
MERCURY, SOLUBLE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, SOLUBLE	29.9	21.2	20.4	10.9 U	10.9 U	10.9 U
POTASSIUM, SOLUBLE	6080 J	4560 J	4090 J	64900 J	94500 J	95900 J
SELENIUM, SOLUBLE	1.8 U	1.8 U	1.8 U	1.8 UJ	9 U	1.8 UJ
SILVER, SOLUBLE	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
SODIUM, SOLUBLE	159000	90100	73400	1570000	2180000	2190000
THALLIUM, SOLUBLE	0.7 U	0.7 U	0.7 U	0.7 UJ	0.7 UJ	0.7 UJ
VANADIUM, SOLUBLE	243	143	81	41.5	5.6	2 U
ZINC, SOLUBLE	32.8	24	14.1	8.5	6 U	6 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION	36-DSW07	
DATE SAMPLED	05/05/95	
UNITS	UG/L	
DISSOLVED METALS		
ALUMINUM, SOLUBLE	21.2	U
ANTIMONY, SOLUBLE	20.8	U
ARSENIC, SOLUBLE	1.7	U
BARIUM, SOLUBLE	22.4	
BERYLLIUM, SOLUBLE	0.8	U
CADMIUM, SOLUBLE	2.2	
CALCIUM, SOLUBLE	108000	
CHROMIUM, SOLUBLE	4.1	U
COBALT, SOLUBLE	3.4	U
COPPER, SOLUBLE	4.3	
IRON, SOLUBLE	29.3	U
LEAD, SOLUBLE	0.8	UJ
MAGNESIUM, SOLUBLE	258000	
MANGANESE, SOLUBLE	27	
MERCURY, SOLUBLE	0.2	U
NICKEL, SOLUBLE	10.9	U
POTASSIUM, SOLUBLE	90900	J
SELENIUM, SOLUBLE	9	U
SILVER, SOLUBLE	2.8	U
SODIUM, SOLUBLE	2050000	
THALLIUM, SOLUBLE	0.7	UJ
VANADIUM, SOLUBLE	2	U
ZINC, SOLUBLE	6	U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
DISSOLVED METALS						
ALUMINUM, SOLUBLE	21.2 U	21.2 U	37.9	62	36-DSW06	2/7
ANTIMONY, SOLUBLE	20.8 U	20.8 U	ND	ND		0/7
ARSENIC, SOLUBLE	1.7 U	1.7 U	ND	ND		0/7
BARIUM, SOLUBLE	NA	NA	5.3	32.6	36-DSW04	7/7
BERYLLIUM, SOLUBLE	0.8 U	0.8 U	ND	ND		0/7
CADMIUM, SOLUBLE	1.9 U	1.9 U	2.2	2.7	36-DSW06	2/7
CALCIUM, SOLUBLE	NA	NA	9470	110000	36-DSW06	7/7
CHROMIUM, SOLUBLE	4.1 U	4.1 U	ND	ND		0/7
COBALT, SOLUBLE	3.4 U	3.4 U	4.1	4.1	36-DSW01	1/7
COPPER, SOLUBLE	1.8 U	1.8 U	2.6	19	36-DSW01	6/7
IRON, SOLUBLE	23.6 U	29.6 U	145	1630	36-DSW02	4/7
LEAD, SOLUBLE	0.8 UJ	0.8 UJ	0.8 J	15.6 J	36-DSW02	4/7
MAGNESIUM, SOLUBLE	NA	NA	688	271000	36-DSW06	7/7
MANGANESE, SOLUBLE	NA	NA	23.8	83.5	36-DSW01	7/7
MERCURY, SOLUBLE	0.2 U	0.2 U	ND	ND		0/7
NICKEL, SOLUBLE	10.9 U	10.9 U	20.4	29.9	36-DSW01	3/7
POTASSIUM, SOLUBLE	NA	NA	4090 J	95900 J	36-DSW06	7/7
SELENIUM, SOLUBLE	1.8 U	9 U	ND	ND		0/7
SILVER, SOLUBLE	2.8 U	2.8 U	ND	ND		0/7
SODIUM, SOLUBLE	NA	NA	73400	2190000	36-DSW06	7/7
THALLIUM, SOLUBLE	0.7 U	0.7 U	ND	ND		0/7
VANADIUM, SOLUBLE	2 U	2 U	5.6	243	36-DSW01	5/7
ZINC, SOLUBLE	6 U	6 U	8.5	32.8	36-DSW01	4/7

SEDIMENT

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD01-06	36-SD02-06	36-SD02-612	36-SD03-06	36-SD03-612	36-SD04-06
DATE SAMPLED	05/18/94	05/17/94	05/17/94	05/18/94	05/18/94	08/08/95
DEPTH	0-6"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
Chloromethane	16 U	12 U	13 U	29 U	26 U	15 U
Bromomethane	16 U	12 U	13 U	29 U	26 U	15 U
Vinyl Chloride	16 U	12 U	13 U	29 U	26 U	15 U
Chloroethane	16 U	12 U	13 U	29 U	26 U	15 U
Methylene Chloride	16 U	12 U	13 U	29 U	26 U	15 U
Acetone	16 UJ	12 U	13 U	29 UJ	26 UJ	18 U
Carbon Disulfide	67 R	12 U	13 U	103 R	97 R	15 U
1,1-Dichloroethene	16 U	12 U	13 U	29 U	26 U	15 U
1,1-Dichloroethane	16 U	12 U	13 U	29 U	26 U	15 U
1,2-Dichloroethene (total)	16 U	12 U	13 U	29 U	26 U	15 U
Chloroform	16 U	12 U	13 U	29 U	26 U	15 U
1,2-Dichloroethane	16 U	12 U	13 U	29 U	26 U	15 U
2-Butanone	16 U	12 U	13 U	29 U	26 U	15 U
1,1,1-Trichloroethane	16 U	12 U	13 U	29 U	26 U	15 U
Carbon Tetrachloride	16 U	12 U	13 U	29 U	26 U	15 U
Bromodichloromethane	16 U	12 U	13 U	29 U	26 U	15 U
1,2-Dichloropropane	16 U	12 U	13 U	29 U	26 U	15 U
cis-1,3-Dichloropropene	16 U	12 U	13 U	29 U	26 U	15 U
Trichloroethene	16 U	12 U	13 U	29 U	26 U	15 U
Dibromochloromethane	16 U	12 U	13 U	29 U	26 U	15 U
1,1,2-Trichloroethane	16 U	12 U	13 U	29 U	26 U	15 U
Benzene	16 U	12 U	13 U	29 U	26 U	15 U
trans-1,3-Dichloropropene	16 U	12 U	13 U	29 U	26 U	15 U
Bromoform	16 U	12 U	13 U	29 U	26 U	15 U
4-Methyl-2-Pentanone	16 U	12 U	13 U	29 U	26 U	15 U
2-Hexanone	16 U	12 U	13 U	29 U	26 U	15 U
Tetrachloroethene	16 U	12 U	13 U	29 U	26 U	15 U
1,1,2,2-Tetrachloroethane	16 U	12 U	13 U	29 U	26 U	15 U
Toluene	16 U	12 U	13 U	29 U	26 U	15 U
Chlorobenzene	16 U	12 U	13 U	29 U	26 U	15 U
Ethylbenzene	16 U	12 U	13 U	29 U	26 U	15 U
Styrene	16 UJ	12 U	13 U	29 UJ	26 UJ	15 U
Xylene (total)	16 U	12 U	13 U	29 U	26 U	15 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD01-06	36-SD02-06	36-SD02-612	36-SD03-06	36-SD03-612	36-SD04-06
DATE SAMPLED	05/18/94	05/17/94	05/17/94	05/18/94	05/18/94	08/08/95
DEPTH	0-6"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
Phenol	532 U	407 U	440 U	956 U	866 U	490 U
bis(2-Chloroethyl)ether	532 UJ	407 UJ	440 UJ	956 UJ	866 UJ	490 U
2-Chlorophenol	532 U	407 U	440 U	956 U	866 U	490 U
1,3-Dichlorobenzene	532 U	407 U	440 U	956 U	866 U	490 U
1,4-Dichlorobenzene	532 U	407 U	440 U	956 U	866 U	490 U
1,2-Dichlorobenzene	532 U	407 U	440 U	956 U	866 U	490 U
2-Methylphenol	532 U	407 U	440 U	956 U	866 U	490 U
2,2'-oxybis(1-Chloropropane)	532 U	407 U	440 U	956 U	866 U	490 U
4-Methylphenol	532 U	407 U	440 U	956 U	866 U	490 U
N-Nitroso-di-n-propylamine	532 U	407 U	440 U	956 U	866 U	490 U
Hexachloroethane	532 U	407 U	440 U	956 U	866 U	490 U
Nitrobenzene	532 U	407 U	440 U	956 U	866 U	490 U
Isophorone	532 UJ	407 UJ	440 UJ	956 UJ	866 UJ	490 U
2-Nitrophenol	532 U	407 U	440 U	956 U	866 U	490 U
2,4-Dimethylphenol	532 U	407 U	440 U	956 U	866 U	490 U
bis(2-Chloroethoxy)methane	532 U	407 U	440 U	956 U	866 U	490 U
2,4-Dichlorophenol	532 U	407 U	440 U	956 U	866 U	490 U
1,2,4-Trichlorobenzene	532 U	407 U	440 U	956 U	866 U	490 U
Naphthalene	532 U	407 U	440 U	956 U	866 U	490 U
4-Chloroaniline	532 UJ	407 UJ	440 UJ	956 UJ	866 UJ	490 U
Hexachlorobutadiene	532 U	407 U	440 U	956 U	866 U	490 U
4-Chloro-3-methylphenol	532 U	407 U	440 U	956 U	866 U	490 U
2-Methylnaphthalene	532 U	407 U	440 U	956 U	866 U	490 U
Hexachlorocyclopentadiene	532 U	407 U	440 U	956 U	866 U	490 U
2,4,6-Trichlorophenol	532 U	407 U	440 U	956 U	866 U	490 U
2,4,5-Trichlorophenol	1290 U	988 U	1067 U	2319 U	2100 U	1200 U
2-Chloronaphthalene	532 U	407 U	440 U	956 U	866 U	490 U
2-Nitroaniline	1290 U	988 U	1067 U	2319 U	2100 U	1200 U
Dimethylphthalate	532 U	407 U	440 U	956 U	866 U	490 U
Acenaphthylene	532 U	407 U	440 U	956 U	866 U	490 U
2,6-Dinitrotoluene	532 UJ	407 UJ	440 UJ	956 UJ	866 UJ	490 U
3-Nitroaniline	1290 UJ	988 UJ	1067 UJ	2319 UJ	2100 UJ	1200 U
Acenaphthene	532 U	407 U	440 U	956 U	866 U	490 U
2,4-Dinitrophenol	1290 U	988 U	1067 U	2319 UJ	2100 UJ	1200 U
Dibenzofuran	532 U	407 U	440 U	956 U	866 U	490 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD01-06	36-SD02-06	36-SD02-612	36-SD03-06	36-SD03-612	36-SD04-06
DATE SAMPLED	05/18/94	05/17/94	05/17/94	05/18/94	05/18/94	08/08/95
DEPTH	0-6"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
4-Nitrophenol	532 UJ	407 UJ	440 UJ	956 UJ	866 UJ	1200 U
2,4-Dinitrotoluene	532 U	407 U	440 U	956 U	866 U	490 U
Diethylphthalate	532 U	330 J	440 U	956 U	896	490 U
Fluorene	532 U	407 U	440 U	956 U	866 U	490 U
4-Chlorophenyl-phenylether	532 U	407 U	440 U	956 U	866 U	490 U
4-Nitroaniline	1290 U	988 U	1067 U	2319 UJ	2100 UJ	1200 U
4,6-Dinitro-2-methylphenol	1290 U	988 U	1067 U	2319 U	2100 U	1200 U
N-Nitrosodiphenylamine	532 U	407 U	440 U	956 U	866 U	490 U
4-Bromophenyl-phenylether	532 U	407 U	440 U	956 U	866 U	490 U
Hexachlorobenzene	532 U	407 U	440 U	956 U	866 U	490 U
Pentachlorophenol	1290 U	988 U	1067 U	2319 U	2100 U	1200 U
Phenanthrene	532 U	407 U	440 U	956 U	866 U	490 U
Anthracene	532 U	407 U	440 U	956 U	866 U	490 U
Carbazole	532 U	407 U	440 U	956 U	866 U	490 U
Di-n-butylphthalate	532 U	407 U	440 U	956 U	866 U	490 U
Fluoranthene	532 U	407 U	440 U	956 U	866 U	490 U
Pyrene	532 U	407 U	316 J	956 U	866 U	490 U
Butylbenzylphthalate	532 U	407 U	440 U	956 U	866 U	490 U
Benzo(a)anthracene	532 U	407 U	440 U	956 U	866 U	490 U
3,3'-Dichlorobenzidine	532 U	407 U	440 U	956 UJ	866 UJ	490 U
Chrysene	532 U	407 U	440 U	956 U	866 U	490 U
bis(2-Ethylhexyl)phthalate	532 U	242 J	328 J	956 UJ	866 UJ	490 U
Di-n-octylphthalate	532 U	407 U	440 UJ	956 U	866 U	490 U
Benzo(b)fluoranthene	532 U	407 U	440 UJ	956 U	866 U	490 U
Benzo(k)fluoranthene	532 U	407 U	440 UJ	956 U	866 U	490 U
Benzo(a)pyrene	532 U	407 U	440 UJ	956 U	866 U	490 U
Indeno(1,2,3-cd)pyrene	532 U	407 U	440 UJ	956 U	866 U	490 U
Dibenz(a,h)anthracene	532 U	407 U	440 UJ	956 U	866 U	490 U
Benzo(g,h,i)perylene	532 U	407 U	440 UJ	956 U	866 U	490 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD01-06	36-SD02-06	36-SD02-612	36-SD03-06	36-SD03-612	36-SD04-06
DATE SAMPLED	05/18/94	05/17/94	05/17/94	05/18/94	05/18/94	08/08/95
DEPTH	0-6"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
alpha-BHC	2.7 U	21 U	11 U	25 U	45 U	2.5 U
beta-BHC	2.7 U	21 U	11 U	25 U	45 U	2.5 U
delta-BHC	2.7 U	21 U	11 U	25 U	45 U	2.5 U
gamma-BHC (Lindane)	2.7 U	21 U	11 U	25 U	45 U	2.5 U
Heptachlor	2.7 U	21 U	11 U	25 U	45 U	2.5 U
Aldrin	0.93 J	21 U	11 U	25 U	45 U	2.5 UJ
Heptachlor epoxide	2.7 U	21 U	11 U	25 U	45 U	2.5 U
Endosulfan I	2.7 U	21 U	11 U	25 U	45 U	2.5 U
Dieldrin	0.8 J	41 U	22 U	48 U	87 U	4.9 U
4,4'-DDE	5.3 U	66 J	22 U	169	87 U	120 J
Endrin	2.7 U	21 U	6.6 J	25 U	45 U	4.9 U
Endosulfan II	5.3 U	41 U	22 U	48 U	87 U	4.9 U
4,4'-DDD	15	130	14 P	606	1030	250
Endosulfan sulfate	5.3 U	41 U	3 J	48 U	87 U	4.9 U
4,4'-DDT	5.3 U	8.5 J	7.4 J	18 J	11 J	3 J
Methoxychlor	27 U	210 U	113 U	246 U	446 U	25 U
Endrin ketone	5.3 U	41 U	22 U	11 J	87 U	4.9 U
Endrin aldehyde	5.3 U	41 U	3.5 J	48 U	87 U	4.9 U
alpha-Chlordane	2.7 U	21 U	11 U	25 U	45 U	2.5 U
gamma-Chlordane	2.7 U	21 U	11 U	25 U	45 U	2.5 U
Toxaphene	274 U	2100 U	1130 U	2460 U	4460 U	250 U
Aroclor-1016	53 U	408 U	220 U	478 U	866 U	49 U
Aroclor-1221	108 U	829 U	447 U	971 U	1760 U	98 U
Aroclor-1232	53 U	408 U	220 U	478 U	866 U	49 U
Aroclor-1242	53 U	408 U	220 U	478 U	866 U	49 U
Aroclor-1248	53 U	408 U	220 U	478 U	866 U	49 U
Aroclor-1254	53 U	408 U	220 U	478 U	866 U	49 U
Aroclor-1260	53 U	408 U	220 U	478 U	866 U	49 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD04-612	36-SD05-06	36-SD05-612	36-SD06-06	36-SD06-612	36-SD07-06
DATE SAMPLED	08/08/95	05/18/94	05/18/94	05/18/94	05/18/94	05/18/94
DEPTH	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
Chloromethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Bromomethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Vinyl Chloride	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Chloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Methylene Chloride	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Acetone	28 U	53 UJ	17 U	11 UJ	12 UJ	11 U
Carbon Disulfide	14 U	146 R	17 U	35 R	12 UJ	11 U
1,1-Dichloroethene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,1-Dichloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,2-Dichloroethene (total)	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Chloroform	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,2-Dichloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
2-Butanone	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,1,1-Trichloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Carbon Tetrachloride	14 U	53 UJ	17 UJ	11 U	12 UJ	11 UJ
Bromodichloromethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,2-Dichloropropane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
cis-1,3-Dichloropropene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Trichloroethene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Dibromochloromethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
1,1,2-Trichloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Benzene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
trans-1,3-Dichloropropene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Bromoform	14 U	53 UJ	17 U	11 U	12 UJ	11 U
4-Methyl-2-Pentanone	14 U	53 UJ	17 U	11 U	12 UJ	11 U
2-Hexanone	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Tetrachloroethene	4 J	53 UJ	17 U	11 U	12 UJ	11 U
1,1,2,2-Tetrachloroethane	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Toluene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Chlorobenzene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Ethylbenzene	14 U	53 UJ	17 U	11 U	12 UJ	11 U
Styrene	14 U	53 UJ	17 U	11 UJ	12 UJ	11 U
Xylene (total)	14 U	53 UJ	17 U	11 U	12 UJ	11 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD04-612	36-SD05-06	36-SD05-612	36-SD06-06	36-SD06-612	36-SD07-06
DATE SAMPLED	08/08/95	05/18/94	05/18/94	05/18/94	05/18/94	05/18/94
DEPTH	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
Phenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
bis(2-Chloroethyl)ether	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
2-Chlorophenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
1,3-Dichlorobenzene	460 U	1737 U	1650 U	425 U	411 U	2640 U
1,4-Dichlorobenzene	460 U	1737 U	1650 U	425 U	411 U	2640 U
1,2-Dichlorobenzene	460 U	1737 U	1650 U	425 U	411 U	2640 U
2-Methylphenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
2,2'-oxybis(1-Chloropropane)	460 U	1737 U	1650 U	425 U	411 U	2640 U
4-Methylphenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
N-Nitroso-di-n-propylamine	460 U	1737 U	1650 U	425 U	411 U	2640 U
Hexachloroethane	460 U	1737 U	1650 U	425 U	411 U	2640 U
Nitrobenzene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Isophorone	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
2-Nitrophenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
2,4-Dimethylphenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
bis(2-Chloroethoxy)methane	460 U	1737 U	1650 U	425 U	411 U	2640 U
2,4-Dichlorophenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
1,2,4-Trichlorobenzene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Naphthalene	460 U	1737 U	1650 U	425 U	411 U	2640 U
4-Chloroaniline	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
Hexachlorobutadiene	460 U	1737 U	1650 U	425 U	411 U	2640 U
4-Chloro-3-methylphenol	460 U	1737 U	1650 U	425 U	411 U	2640 U
2-Methylnaphthalene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Hexachlorocyclopentadiene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
2,4,6-Trichlorophenol	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
2,4,5-Trichlorophenol	1100 U	4210 U	4000 U	1030 UJ	996 U	6400 U
2-Chloronaphthalene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
2-Nitroaniline	1100 U	4210 U	4000 U	1030 UJ	996 U	6400 U
Dimethylphthalate	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
Acenaphthylene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
2,6-Dinitrotoluene	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
3-Nitroaniline	1100 U	4210 UJ	4000 UJ	1030 UJ	996 UJ	6400 UJ
Acenaphthene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
2,4-Dinitrophenol	1100 U	4210 UJ	4000 UJ	1030 UJ	996 UJ	6400 UJ
Dibenzofuran	460 U	1737 U	1650 U	425 UJ	411 U	2640 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD04-612	36-SD05-06	36-SD05-612	36-SD06-06	36-SD06-612	36-SD07-06
DATE SAMPLED	08/08/95	05/18/94	05/18/94	05/18/94	05/18/94	05/18/94
DEPTH	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
4-Nitrophenol	1100 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
2,4-Dinitrotoluene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
Diethylphthalate	460 U	2135 J	1650 U	425 UJ	411 U	2640 U
Fluorene	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
4-Chlorophenyl-phenylether	460 U	1737 U	1650 U	425 UJ	411 U	2640 U
4-Nitroaniline	1100 U	4210 UJ	4000 UJ	1030 UJ	996 UJ	6400 UJ
4,6-Dinitro-2-methylphenol	1100 U	4210 UJ	4000 U	1030 UJ	996 U	6400 U
N-Nitrosodiphenylamine	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
4-Bromophenyl-phenylether	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
Hexachlorobenzene	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
Pentachlorophenol	1100 U	4210 UJ	4000 U	1030 UJ	996 U	6400 U
Phenanthrene	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
Anthracene	46 J	1737 UJ	1650 U	425 UJ	411 U	2640 U
Carbazole	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
Di-n-butylphthalate	460 U	1737 UJ	1650 U	425 UJ	218 J	2640 U
Fluoranthene	460 U	1737 UJ	1650 U	425 UJ	411 U	2640 U
Pyrene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Butylbenzylphthalate	460 U	1737 U	1650 U	425 U	411 U	2640 U
Benzo(a)anthracene	460 U	1737 U	1650 U	425 U	411 U	2640 U
3,3'-Dichlorobenzidine	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
Chrysene	460 U	1737 U	1650 U	425 U	411 U	2640 U
bis(2-Ethylhexyl)phthalate	460 U	1737 UJ	1650 UJ	425 UJ	411 UJ	2640 UJ
Di-n-octylphthalate	460 U	1737 U	1650 U	425 U	411 U	2640 U
Benzo(b)fluoranthene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Benzo(k)fluoranthene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Benzo(a)pyrene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Indeno(1,2,3-cd)pyrene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Dibenz(a,h)anthracene	460 U	1737 U	1650 U	425 U	411 U	2640 U
Benzo(g,h,i)perylene	460 U	1737 U	1650 U	425 U	411 U	2640 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD04-612	36-SD05-06	36-SD05-612	36-SD06-06	36-SD06-612	36-SD07-06
DATE SAMPLED	08/08/95	05/18/94	05/18/94	05/18/94	05/18/94	05/18/94
DEPTH	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
alpha-BHC	23 U	8.9 U	120 U	24 U	24 U	25 U
beta-BHC	23 U	8.9 U	120 U	24 U	24 U	25 U
delta-BHC	23 U	8.9 U	120 U	24 U	24 U	25 U
gamma-BHC (Lindane)	23 U	8.9 U	120 U	24 U	24 U	25 U
Heptachlor	23 U	8.9 U	120 U	24 U	24 U	25 U
Aldrin	23 UJ	8.9 U	120 U	24 U	24 U	25 U
Heptachlor epoxide	23 U	8.9 U	120 U	24 U	24 U	25 U
Endosulfan I	23 U	8.9 U	120 U	24 U	24 U	25 U
Dieldrin	45 U	17 U	232 U	52	46 U	48 U
4,4'-DDE	1000 UJ	242 J	1200	249	179	51
Endrin	45 U	8.9 U	120 U	24 U	24 U	25 U
Endosulfan II	45 U	17 U	232 U	47 U	46 U	48 U
4,4'-DDD	3600 UJ	223 J	1140	221	159	74
Endosulfan sulfate	45 U	17 U	232 U	47 U	46 U	48 U
4,4'-DDT	27 J	31 J	46 J	14 J	8 J	48 U
Methoxychlor	230 U	90 U	1200 U	240 U	239 U	246 U
Endrin ketone	45 U	17 U	232 U	47 U	46 U	48 U
Endrin aldehyde	45 U	7.6 J	232 U	47 U	46 U	48 U
alpha-Chlordane	23 U	8.9 U	120 U	24 U	24 U	13 J
gamma-Chlordane	23 U	8.9 U	120 U	24 U	24 U	25 U
Toxaphene	2300 U	895 U	12000 U	2430 U	2390 U	2460 U
Aroclor-1016	450 U	174 U	2320 U	471 U	465 U	478 U
Aroclor-1221	900 U	353 U	4720 U	957 U	944 U	971 U
Aroclor-1232	450 U	174 U	2320 U	471 U	465 U	478 U
Aroclor-1242	450 U	174 U	2320 U	471 U	465 U	478 U
Aroclor-1248	450 U	174 U	2320 U	471 U	465 U	478 U
Aroclor-1254	450 U	174 U	2320 U	471 U	465 U	478 U
Aroclor-1260	450 U	174 U	2320 U	471 U	465 U	478 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD07-612
DATE SAMPLED	05/18/94
DEPTH	6-12"
UNITS	UG/KG
VOLATILES	
Chloromethane	45 U
Bromomethane	45 U
Vinyl Chloride	45 U
Chloroethane	45 U
Methylene Chloride	45 U
Acetone	45 UJ
Carbon Disulfide	156 R
1,1-Dichloroethene	45 U
1,1-Dichloroethane	45 U
1,2-Dichloroethene (total)	45 U
Chloroform	45 U
1,2-Dichloroethane	45 U
2-Butanone	45 U
1,1,1-Trichloroethane	45 U
Carbon Tetrachloride	45 U
Bromodichloromethane	45 U
1,2-Dichloropropane	45 U
cis-1,3-Dichloropropene	45 U
Trichloroethene	45 U
Dibromochloromethane	45 U
1,1,2-Trichloroethane	45 U
Benzene	45 U
trans-1,3-Dichloropropene	45 U
Bromoform	45 U
4-Methyl-2-Pentanone	45 U
2-Hexanone	45 U
Tetrachloroethene	45 U
1,1,2,2-Tetrachloroethane	45 U
Toluene	45 U
Chlorobenzene	45 U
Ethylbenzene	45 U
Styrene	45 UJ
Xylene (total)	45 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD07-612
DATE SAMPLED	05/18/94
DEPTH	6-12"
UNITS	UG/KG
SEMIVOLATILES	
Phenol	1480 U
bis(2-Chloroethyl)ether	1480 UJ
2-Chlorophenol	1480 U
1,3-Dichlorobenzene	1480 U
1,4-Dichlorobenzene	1480 U
1,2-Dichlorobenzene	1480 U
2-Methylphenol	1480 U
2,2'-oxybis(1-Chloropropane)	1480 U
4-Methylphenol	1480 U
N-Nitroso-di-n-propylamine	1480 U
Hexachloroethane	1480 U
Nitrobenzene	1480 U
Isophorone	1480 UJ
2-Nitrophenol	1480 U
2,4-Dimethylphenol	1480 U
bis(2-Chloroethoxy)methane	1480 U
2,4-Dichlorophenol	1480 U
1,2,4-Trichlorobenzene	1480 U
Naphthalene	1480 U
4-Chloroaniline	1480 UJ
Hexachlorobutadiene	1480 U
4-Chloro-3-methylphenol	1480 U
2-Methylnaphthalene	1480 U
Hexachlorocyclopentadiene	1480 U
2,4,6-Trichlorophenol	1480 U
2,4,5-Trichlorophenol	3587 U
2-Chloronaphthalene	1480 U
2-Nitroaniline	3587 U
Dimethylphthalate	1480 U
Acenaphthylene	1480 U
2,6-Dinitrotoluene	1480 UJ
3-Nitroaniline	3587 UJ
Acenaphthene	1480 U
2,4-Dinitrophenol	3587 UJ
Dibenzofuran	1480 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD07-612
DATE SAMPLED	05/18/94
DEPTH	6-12"
UNITS	UG/KG
SEMIVOLATILES cont.	
4-Nitrophenol	1480 UJ
2,4-Dinitrotoluene	1480 U
Diethylphthalate	1480 U
Fluorene	1480 U
4-Chlorophenyl-phenylether	1480 U
4-Nitroaniline	3587 UJ
4,6-Dinitro-2-methylphenol	3587 U
N-Nitrosodiphenylamine	1480 U
4-Bromophenyl-phenylether	1480 U
Hexachlorobenzene	1480 U
Pentachlorophenol	3587 U
Phenanthrene	1480 U
Anthracene	1480 U
Carbazole	1480 U
Di-n-butylphthalate	1480 U
Fluoranthene	1480 U
Pyrene	1480 U
Butylbenzylphthalate	1480 U
Benzo(a)anthracene	1480 U
3,3'-Dichlorobenzidine	1480 UJ
Chrysene	1480 U
bis(2-Ethylhexyl)phthalate	1480 UJ
Di-n-octylphthalate	1480 U
Benzo(b)fluoranthene	1480 U
Benzo(k)fluoranthene	1480 U
Benzo(a)pyrene	1480 U
Indeno(1,2,3-cd)pyrene	1480 U
Dibenz(a,h)anthracene	1480 U
Benzo(g,h,i)perylene	1480 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD07-612
DATE SAMPLED	05/18/94
DEPTH	6-12"
UNITS	UG/KG
PESTICIDES/PCBs	
alpha-BHC	24 U
beta-BHC	24 U
delta-BHC	24 U
gamma-BHC (Lindane)	24 U
Heptachlor	24 U
Aldrin	24 U
Heptachlor epoxide	24 U
Endosulfan I	24 U
Dieldrin	14 J
4,4'-DDE	32 J
Endrin	24 U
Endosulfan II	47 U
4,4'-DDD	41
Endosulfan sulfate	47 U
4,4'-DDT	5.7 J
Methoxychlor	243 U
Endrin ketone	47 U
Endrin aldehyde	47 U
alpha-Chlordane	6.5 J
gamma-Chlordane	24 U
Toxaphene	2430 U
Aroclor-1016	471 U
Aroclor-1221	957 U
Aroclor-1232	471 U
Aroclor-1242	471 U
Aroclor-1248	471 U
Aroclor-1254	471 U
Aroclor-1260	471 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	11 U	53 UJ	ND	ND		0/13
Bromomethane	11 U	53 UJ	ND	ND		0/13
Vinyl Chloride	11 U	53 UJ	ND	ND		0/13
Chloroethane	11 U	53 UJ	ND	ND		0/13
Methylene Chloride	11 U	53 UJ	ND	ND		0/13
Acetone	11 UJ	53 UJ	ND	ND		0/13
Carbon Disulfide	11 U	17 U	ND	ND		0/7
1,1-Dichloroethene	11 U	53 UJ	ND	ND		0/13
1,1-Dichloroethane	11 U	53 UJ	ND	ND		0/13
1,2-Dichloroethene (total)	11 U	53 UJ	ND	ND		0/13
Chloroform	11 U	53 UJ	ND	ND		0/13
1,2-Dichloroethane	11 U	53 UJ	ND	ND		0/13
2-Butanone	11 U	53 UJ	ND	ND		0/13
1,1,1-Trichloroethane	11 U	53 UJ	ND	ND		0/13
Carbon Tetrachloride	11 U	53 UJ	ND	ND		0/13
Bromodichloromethane	11 U	53 UJ	ND	ND		0/13
1,2-Dichloropropane	11 U	53 UJ	ND	ND		0/13
cis-1,3-Dichloropropene	11 U	53 UJ	ND	ND		0/13
Trichloroethene	11 U	53 UJ	ND	ND		0/13
Dibromochloromethane	11 U	53 UJ	ND	ND		0/13
1,1,2-Trichloroethane	11 U	53 UJ	ND	ND		0/13
Benzene	11 U	53 UJ	ND	ND		0/13
trans-1,3-Dichloropropene	11 U	53 UJ	ND	ND		0/13
Bromoform	11 U	53 UJ	ND	ND		0/13
4-Methyl-2-Pentanone	11 U	53 UJ	ND	ND		0/13
2-Hexanone	11 U	53 UJ	ND	ND		0/13
Tetrachloroethene	11 U	53 UJ	4 J	4 J	36-SD04-612	1/13
1,1,2,2-Tetrachloroethane	11 U	53 UJ	ND	ND		0/13
Toluene	11 U	53 UJ	ND	ND		0/13
Chlorobenzene	11 U	53 UJ	ND	ND		0/13
Ethylbenzene	11 U	53 UJ	ND	ND		0/13
Styrene	11 UJ	53 UJ	ND	ND		0/13
Xylene (total)	11 U	53 UJ	ND	ND		0/13

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
Phenol	407 U	2640 U	ND	ND		0/13
bis(2-Chloroethyl)ether	407 UJ	2640 UJ	ND	ND		0/13
2-Chlorophenol	407 U	2640 U	ND	ND		0/13
1,3-Dichlorobenzene	407 U	2640 U	ND	ND		0/13
1,4-Dichlorobenzene	407 U	2640 U	ND	ND		0/13
1,2-Dichlorobenzene	407 U	2640 U	ND	ND		0/13
2-Methylphenol	407 U	2640 U	ND	ND		0/13
2,2'-oxybis(1-Chloropropane)	407 U	2640 U	ND	ND		0/13
4-Methylphenol	407 U	2640 U	ND	ND		0/13
N-Nitroso-di-n-propylamine	407 U	2640 U	ND	ND		0/13
Hexachloroethane	407 U	2640 U	ND	ND		0/13
Nitrobenzene	407 U	2640 U	ND	ND		0/13
Isophorone	407 UJ	2640 UJ	ND	ND		0/13
2-Nitrophenol	407 U	2640 U	ND	ND		0/13
2,4-Dimethylphenol	407 U	2640 U	ND	ND		0/13
bis(2-Chloroethoxy)methane	407 U	2640 U	ND	ND		0/13
2,4-Dichlorophenol	407 U	2640 U	ND	ND		0/13
1,2,4-Trichlorobenzene	407 U	2640 U	ND	ND		0/13
Naphthalene	407 U	2640 U	ND	ND		0/13
4-Chloroaniline	407 UJ	2640 UJ	ND	ND		0/13
Hexachlorobutadiene	407 U	2640 U	ND	ND		0/13
4-Chloro-3-methylphenol	407 U	2640 U	ND	ND		0/13
2-Methylnaphthalene	407 U	2640 U	ND	ND		0/13
Hexachlorocyclopentadiene	407 U	2640 U	ND	ND		0/13
2,4,6-Trichlorophenol	407 U	2640 U	ND	ND		0/13
2,4,5-Trichlorophenol	988 U	6400 U	ND	ND		0/13
2-Chloronaphthalene	407 U	2640 U	ND	ND		0/13
2-Nitroaniline	988 U	6400 U	ND	ND		0/13
Dimethylphthalate	407 U	2640 U	ND	ND		0/13
Acenaphthylene	407 U	2640 U	ND	ND		0/13
2,6-Dinitrotoluene	407 UJ	2640 UJ	ND	ND		0/13
3-Nitroaniline	988 UJ	6400 UJ	ND	ND		0/13
Acenaphthene	407 U	2640 U	ND	ND		0/13
2,4-Dinitrophenol	988 U	6400 UJ	ND	ND		0/13
Dibenzofuran	407 U	2640 U	ND	ND		0/13

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
4-Nitrophenol	407 UJ	2640 UJ	ND	ND		0/13
2,4-Dinitrotoluene	407 U	2640 U	ND	ND		0/13
Diethylphthalate	411 U	2640 U	330 J	2135 J	36-SD05-06	3/13
Fluorene	407 U	2640 U	ND	ND		0/13
4-Chlorophenyl-phenylether	407 U	2640 U	ND	ND		0/13
4-Nitroaniline	988 U	6400 UJ	ND	ND		0/13
4,6-Dinitro-2-methylphenol	988 U	6400 U	ND	ND		0/13
N-Nitrosodiphenylamine	407 U	2640 U	ND	ND		0/13
4-Bromophenyl-phenylether	407 U	2640 U	ND	ND		0/13
Hexachlorobenzene	407 U	2640 U	ND	ND		0/13
Pentachlorophenol	988 U	6400 U	ND	ND		0/13
Phenanthrene	407 U	2640 U	ND	ND		0/13
Anthracene	407 U	2640 U	46 J	46 J	36-SD04-612	1/13
Carbazole	407 U	2640 U	ND	ND		0/13
Di-n-butylphthalate	407 U	2640 U	218 J	218 J	36-SD06-612	1/13
Fluoranthene	407 U	2640 U	ND	ND		0/13
Pyrene	407 U	2640 U	316 J	316 J	36-SD02-612	1/13
Butylbenzylphthalate	407 U	2640 U	ND	ND		0/13
Benzo(a)anthracene	407 U	2640 U	ND	ND		0/13
3,3'-Dichlorobenzidine	407 U	2640 UJ	ND	ND		0/13
Chrysene	407 U	2640 U	ND	ND		0/13
bis(2-Ethylhexyl)phthalate	411 UJ	2640 UJ	242 J	328 J	36-SD02-612	2/13
Di-n-octylphthalate	407 U	2640 U	ND	ND		0/13
Benzo(b)fluoranthene	407 U	2640 U	ND	ND		0/13
Benzo(k)fluoranthene	407 U	2640 U	ND	ND		0/13
Benzo(a)pyrene	407 U	2640 U	ND	ND		0/13
Indeno(1,2,3-cd)pyrene	407 U	2640 U	ND	ND		0/13
Dibenz(a,h)anthracene	407 U	2640 U	ND	ND		0/13
Benzo(g,h,i)perylene	407 U	2640 U	ND	ND		0/13

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDES/PCBs						
alpha-BHC	2.5 U	120 U	ND	ND		0/13
beta-BHC	2.5 U	120 U	ND	ND		0/13
delta-BHC	2.5 U	120 U	ND	ND		0/13
gamma-BHC (Lindane)	2.5 U	120 U	ND	ND		0/13
Heptachlor	2.5 U	120 U	ND	ND		0/13
Aldrin	2.5 UJ	120 U	0.93 J	0.93 J	36-SD01-06	1/13
Heptachlor epoxide	2.5 U	120 U	ND	ND		0/13
Endosulfan I	2.5 U	120 U	ND	ND		0/13
Dieldrin	4.9 U	232 U	0.8 J	52	36-SD06-06	3/13
4,4'-DDE	5.3 U	1000 UJ	32 J	1200	36-SD05-612	9/13
Endrin	2.7 U	120 U	6.6 J	6.6 J	36-SD02-612	1/13
Endosulfan II	4.9 U	232 U	ND	ND		0/13
4,4'-DDD	3600 UJ	3600 UJ	14 P	1140	36-SD05-612	12/13
Endosulfan sulfate	4.9 U	232 U	3 J	3 J	36-SD02-612	1/13
4,4'-DDT	5.3 U	48 U	3 J	46 J	36-SD05-612	11/13
Methoxychlor	25 U	1200 U	ND	ND		0/13
Endrin ketone	4.9 U	232 U	11 J	11 J	36-SD03-06	1/13
Endrin aldehyde	4.9 U	232 U	3.5 J	7.6 J	36-SD05-06	2/13
alpha-Chlordane	2.5 U	120 U	6.5 J	13 J	36-SD07-06	2/13
gamma-Chlordane	2.5 U	120 U	ND	ND		0/13
Toxaphene	250 U	12000 U	ND	ND		0/13
Aroclor-1016	49 U	2320 U	ND	ND		0/13
Aroclor-1221	98 U	4720 U	ND	ND		0/13
Aroclor-1232	49 U	2320 U	ND	ND		0/13
Aroclor-1242	49 U	2320 U	ND	ND		0/13
Aroclor-1248	49 U	2320 U	ND	ND		0/13
Aroclor-1254	49 U	2320 U	ND	ND		0/13
Aroclor-1260	49 U	2320 U	ND	ND		0/13

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SD01-06	36-SD02-06	36-SD02-612	36-SD03-06	36-SD03-612	36-SD04-06
DATE SAMPLED	05/18/94	05/17/94	05/17/94	05/18/94	05/18/94	08/08/95
DEPTH	0-6"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
Aluminum	26300	3720	4320	6080	9510	1890 J
Antimony	7.4 UJ	5.7 UJ	6.1 UJ	13.3 UJ	12.1 UJ	4.1 UJ
Arsenic	1.6 R	0.99 J	2.1 J	2 J	1.4 J	0.71
Barium	79.1	11	28.5	24.3	43.8	6.2
Beryllium	1.3	0.12 U	0.13 U	0.81	0.26 U	0.07 U
Cadmium	0.08 U	0.28 U	8.7	0.86 U	0.25 U	0.83 U
Calcium	4150 J	1150 J	13600 J	3530 J	5710 J	995
Chromium	16.9	7.3	23.3	12.2	9.1	4.6 U
Cobalt	6.3	1.4 U	1.5 U	3.2 U	2.9 U	0.25 U
Copper	5.4	3.2	17.7	45.1	9.9	7.4
Iron	3140	4120	4040	8530	3730	2720
Lead	28.5	17.9 J	148	86.7	23.4	36.3
Magnesium	583	151	487	1230 B	1240	464
Manganese	8	4.7	12.4	35.4	47.5	16.6
Mercury	0.4 R	0.27 R	0.35 R	1.1 R	1.1 R	0.1 U
Nickel	21.4	1.4 U	3.1	77.1	8.5	2.2
Potassium	1010	302 U	325 U	707 U	839	193
Selenium	0.5 U	0.28 U	0.28 U	0.81 U	0.52 U	0.34 U
Silver	0.48 U	0.37 U	0.4 U	0.87 U	0.79 U	0.54 U
Sodium	487	293 U	316 U	985	1130	665
Thallium	0.42	0.19	0.2	0.32	0.26 U	0.34 U
Vanadium	56.8	19	10.8	314	17.7	12.1
Zinc	28 R	21.7 R	140	142 R	53.6 R	34.6 J

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SD04-612	36-SD05-06	36-SD05-612	36-SD06-06	36-SD06-612	36-SD07-06
DATE SAMPLED	08/08/95	05/18/94	05/18/94	05/18/94	05/18/94	05/18/94
DEPTH	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
Aluminum	9200 J	11100	17200	2150	1560	31500
Antimony	4.4 UJ	24.2 UJ	22.8 UJ	5.9 UJ	5.7 UJ	36.8 UJ
Arsenic	2.2	9 R	2.8 J	0.67 J	0.7 J	2 J
Barium	24.1	25.7	31.6	3.4	2.4	60.9
Beryllium	0.16	0.53 U	0.5 U	0.13 U	0.12 U	1.1
Cadmium	1.4	0.88 U	0.2 U	0.05 U	0.04 U	0.31 U
Calcium	5140	5670 J	8340 J	301 J	212 U	17500 J
Chromium	20.3	19.4	14.6	3.1	2.4	28.6
Cobalt	1.1 U	5.8 U	5.4 U	1.4	1.4 U	8.8 U
Copper	20.2	24.4	6.8	4.4	3.4	14.4
Iron	9560	14900	15900	1860	1090	13100
Lead	131	115	15.9 R	15100	7.1	44.9
Magnesium	1370	2750	2940	305	201	3830
Manganese	49.1	36.8	62.8	5.6	4.9	29.2
Mercury	0.66	1.4 R	1.2 R	0.41 R	0.45 R	8 R
Nickel	3.6	13.6 B	7.8	2.1	2.6	10
Potassium	708	1280 U	1210 U	314 U	304 U	2610
Selenium	0.44 U	3.7 UJ	1.5 U	0.21 U	0.22 U	2.6 U
Silver	0.58 U	1.6 U	1.5 U	0.39 U	0.37 U	2.4 U
Sodium	1360	4980	1860	548	514	4320
Thallium	0.44 U	0.89	0.59	0.13 U	0.12 U	0.96
Vanadium	25.1	39.3	19.6	4.6	3.2	28.6
Zinc	116 J	145 R	32.9 R	25.9 R	16.6 R	50.9 R

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SD07-612	36-SD08-06	36-SD09-06
DATE SAMPLED	05/18/94	10/14/95	10/14/95
DEPTH	6-12"	0-6"	0-6"
UNITS	MG/KG	MG/KG	MG/KG
TOTAL METALS			
Aluminum	10800	2530	2680
Antimony	20.6 UJ	5.9 UL	6.7 UL
Arsenic	1.7 J	3.3 L	0.79 L
Barium	19.9	6.4	5.9
Beryllium	0.45 U	0.25 U	0.29 U
Cadmium	0.49 U	0.53 U	0.6 U
Calcium	8610 J	793	666
Chromium	10.4	4.8 L	3.7 L
Cobalt	4.9 U	1.1	0.98 U
Copper	5.1	8	6.1
Iron	9710	4020	3450
Lead	17	21.9	15.9
Magnesium	1830	689	639
Manganese	15.3	7.7	9.8
Mercury	3.9 R	0.31	0.18
Nickel	7.3	2.8 U	3.2 U
Potassium	1090 U	198 UL	226 UL
Selenium	1.3 U	0.71 K	0.39 U
Silver	1.3 U	0.73 UL	0.83 UL
Sodium	1180	1150	1360
Thallium	0.54	0.55 U	0.49 U
Vanadium	12.4	9.7	7.1
Zinc	29.2 R	25.3	43.4

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE SAMPLED DEPTH UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
Aluminum	NA	NA	1560	31500	36-SD07-06	15/15
Antimony	4.1 UJ	36.8 UJ	ND	ND		0/15
Arsenic	NA	NA	0.67 J	3.3 L	36-SD08-01	13/13
Barium	NA	NA	2.4	79.1	36-SD01-06	15/15
Beryllium	0.07 U	0.53 U	0.16	1.3	36-SD01-06	4/15
Cadmium	0.04 U	0.88 U	1.4	8.7	36-SD02-612	2/15
Calcium	212 U	212 U	301 J	17500 J	36-SD07-06	14/15
Chromium	4.6 U	4.6 U	2.4	28.6	36-SD07-06	14/15
Cobalt	0.25 U	8.8 U	1.1	6.3	36-SD01-06	3/15
Copper	NA	NA	3.2	45.1	36-SD03-06	15/15
Iron	NA	NA	1090	15900	36-SD05-612	15/15
Lead	NA	NA	7.1	15100	36-SD06-06	14/14
Magnesium	1230 B	1230 B	151	3830	36-SD07-06	14/15
Manganese	NA	NA	4.7	62.8	36-SD05-612	15/15
Mercury	0.1 U	0.1 U	0.18	0.66	36-SD04-612	3/4
Nickel	1.4 U	13.6 B	2.1	77.1	36-SD03-06	11/15
Potassium	198 UL	1280 U	193	2610	36-SD07-06	5/15
Selenium	0.21 U	3.7 UJ	0.71 K	0.71 K	36-SD08-01	1/15
Silver	0.37 U	2.4 U	ND	ND		0/15
Sodium	293 U	316 U	487	4980	36-SD05-06	13/15
Thallium	0.12 U	0.55 U	0.19	0.96	36-SD07-06	8/15
Vanadium	NA	NA	3.2	314	36-SD03-06	15/15
Zinc	NA	NA	25.3	140	36-SD02-612	5/5

FISH

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FSO2-MC-FO1	35-FS03-MC-F01	35-FSO3-SM-FO1	36-FS01-SM-F01	35-FSO2-LG-FO1	35-FSO3-LG-FO2
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
Chloromethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Bromomethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	7 U
Vinyl Chloride	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Chloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Methylene Chloride	49 UJ	249 UJ	36 UJ	181 UJ	26 J	42 UJ
Acetone	243 U	249 UJ	36 UJ	181 UJ	263 J	42 UJ
Carbon Disulfide	850 J	196 J	1328	1006 J	502 J	424 J
1,1-Dichloroethene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,1-Dichloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,2-Dichloroethene (total)	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Chloroform	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,2-Dichloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
2-Butanone	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	209 U
1,1,1-Trichloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Carbon Tetrachloride	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Bromodichloromethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,2-Dichloropropane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
cis-1,3-Dichloropropene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Trichloroethene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Dibromochloromethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,1,2-Trichloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Benzene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
trans-1,3-Dichloropropene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Bromoform	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
4-Methyl-2-Pentanone	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
2-Hexanone	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Tetrachloroethene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
1,1,2,2-Tetrachloroethane	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Toluene	49 UJ	249 UJ	24 J	181 UJ	45 UJ	42 UJ
Chlorobenzene	49 UJ	249 UJ	36 UJ	181 UJ	45 UJ	42 UJ
Ethylbenzene	49 UJ	249 UJ	173 U	181 UJ	45 UJ	42 UJ
Styrene	49 UJ	249 UJ	173 U	181 UJ	45 UJ	42 UJ
Xylene (total)	49 UJ	249 UJ	173 U	181 UJ	45 UJ	42 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FSO2-MC-FO1	35-FS03-MC-F01	35-FSO3-SM-FO1	36-FS01-SM-F01	35-FSO2-LG-FO1	35-FSO3-LG-FO2
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
Phenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
bis(2-Chloroethyl)ether	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2-Chlorophenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
1,3-Dichlorobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
1,4-Dichlorobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
1,2-Dichlorobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2-Methylphenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,2'-oxybis(1-Chloropropane)	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Methylphenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
N-Nitroso-di-n-propylamine	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Hexachloroethane	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Nitrobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Isophorone	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2-Nitrophenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4-Dimethylphenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
bis(2-Chloroethoxy)methane	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4-Dichlorophenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
1,2,4-Trichlorobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Naphthalene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Chloroaniline	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Hexachlorobutadiene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Chloro-3-methylphenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2-Methylnaphthalene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Hexachlorocyclopentadiene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4,6-Trichlorophenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4,5-Trichlorophenol	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
2-Chloronaphthalene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2-Nitroaniline	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
Dimethylphthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Acenaphthylene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,6-Dinitrotoluene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
3-Nitroaniline	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
Acenaphthene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4-Dinitrophenol	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FSO2-MC-FO1	35-FS03-MC-F01	35-FSO3-SM-FO1	36-FS01-SM-F01	35-FSO2-LG-FO1	35-FSO3-LG-FO2
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
Dibenzofuran	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Nitrophenol	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
2,4-Dinitrotoluene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Diethylphthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Fluorene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Chlorophenyl-phenylether	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Nitroaniline	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
4,6-Dinitro-2-methylphenol	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
N-Nitrosodiphenylamine	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
4-Bromophenyl-phenylether	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Hexachlorobenzene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Pentachlorophenol	3800 UJ	3800 UJ	2800 UJ	2800 UJ	3600 UJ	3300 UJ
Phenanthrene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Anthracene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Carbazole	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Di-n-butylphthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Fluoranthene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Pyrene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Butylbenzylphthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Benzo(a)anthracene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
3,3'-Dichlorobenzidine	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Chrysene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
bis(2-Ethylhexyl)phthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Di-n-octylphthalate	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Benzo(b)fluoranthene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Benzo(k)fluoranthene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Benzo(a)pyrene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Indeno(1,2,3-cd)pyrene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Dibenz(a,h)anthracene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ
Benzo(g,h,i)perylene	1600 UJ	1600 UJ	1200 UJ	1200 UJ	1500 UJ	1400 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FSO2-MC-FO1	35-FS03-MC-F01	35-FSO3-SM-FO1	36-FS01-SM-F01	35-FSO2-LG-FO1	35-FSO3-LG-FO2
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
alpha-BHC	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
beta-BHC	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	5.9 J
delta-BHC	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
gamma-BHC (Lindane)	16 UJ	17 UJ	12 UJ	5.5 J	15 UJ	14 UJ
Heptachlor	16 UJ	17 UJ	12 UJ	2.8 J	15 UJ	14 UJ
Aldrin	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
Heptachlor epoxide	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
Endosulfan I	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
Dieldrin	12 J	22 J	12 J	36 J	15 UJ	28 UJ
4,4'-DDE	78 J	189 J	111 J	270 J	343 J	572 J
Endrin	3.6 J	17 UJ	4 J	2.5 J	15 UJ	52 JJ
Endosulfan II	32 UJ	33 UJ	24 UJ	24 UJ	4.6 J	9.6 J
4,4'-DDD	47 J	146 J	61 J	196 J	62 J	103 J
Endosulfan sulfate	32 UJ	33 UJ	24 UJ	24 UJ	30 UJ	28 UJ
4,4'-DDT	5.6 J	5 J	6 J	12 J	2.5 J	5.1 J
Methoxychlor	160 UJ	170 UJ	121 UJ	120 UJ	152 UJ	142 UJ
Endrin ketone	32 UJ	33 UJ	3.6 J	24 UJ	30 UJ	28 UJ
Endrin aldehyde	32 UJ	33 UJ	2.8 J	24 UJ	30 UJ	28 UJ
alpha-Chlordane	12 J	17 UJ	12 UJ	28 J	11 J	38 J
gamma-Chlordane	16 UJ	17 UJ	12 UJ	12 UJ	15 UJ	14 UJ
Toxaphene	1650 UJ	1690 UJ	1210 UJ	1230 UJ	1520 UJ	1420 UJ
Aroclor-1016	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ
Aroclor-1221	650 UJ	667 UJ	478 UJ	486 UJ	601 UJ	561 UJ
Aroclor-1232	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ
Aroclor-1242	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ
Aroclor-1248	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ
Aroclor-1254	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ
Aroclor-1260	320 UJ	328 UJ	236 UJ	239 UJ	296 UJ	276 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-SM-F01	36-FS03-LMB-F01	36-FS03-WM-F01	36-FS03-LG-F01	36-FS01-WC-F01	36-FS02-WC-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
Chloromethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Bromomethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Vinyl Chloride	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Chloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Methylene Chloride	40 UJ	250 UJ	200 UJ	40 UJ	28 J	48 UJ
Acetone	40 UJ	2788 J	200 UJ	58 J	312 J	198 J
Carbon Disulfide	579 J	752 J	796 J	752 J	875 J	456 J
1,1-Dichloroethene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,1-Dichloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,2-Dichloroethene (total)	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Chloroform	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,2-Dichloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
2-Butanone	40 UJ	5108 J	200 UJ	63 J	56 UJ	48 UJ
1,1,1-Trichloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Carbon Tetrachloride	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Bromodichloromethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,2-Dichloropropane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
cis-1,3-Dichloropropene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Trichloroethene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Dibromochloromethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,1,2-Trichloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Benzene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
trans-1,3-Dichloropropene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Bromoform	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
4-Methyl-2-Pentanone	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
2-Hexanone	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Tetrachloroethene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
1,1,2,2-Tetrachloroethane	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Toluene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Chlorobenzene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Ethylbenzene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Styrene	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ
Xylene (total)	40 UJ	250 UJ	200 UJ	40 UJ	56 UJ	48 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-SM-F01	36-FS03-LMB-F01	36-FS03-WM-F01	36-FS03-LG-F01	36-FS01-WC-F01	36-FS02-WC-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
Phenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
bis(2-Chloroethyl)ether	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2-Chlorophenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
1,3-Dichlorobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
1,4-Dichlorobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
1,2-Dichlorobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2-Methylphenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,2'-oxybis(1-Chloropropane)	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Methylphenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
N-Nitroso-di-n-propylamine	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Hexachloroethane	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Nitrobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Isophorone	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2-Nitrophenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4-Dimethylphenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
bis(2-Chloroethoxy)methane	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4-Dichlorophenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
1,2,4-Trichlorobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Naphthalene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Chloroaniline	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Hexachlorobutadiene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Chloro-3-methylphenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2-Methylnaphthalene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Hexachlorocyclopentadiene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4,6-Trichlorophenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4,5-Trichlorophenol	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
2-Chloronaphthalene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2-Nitroaniline	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
Dimethylphthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Acenaphthylene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,6-Dinitrotoluene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
3-Nitroaniline	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
Acenaphthene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4-Dinitrophenol	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-SM-F01	36-FS03-LMB-F01	36-FS03-WM-F01	36-FS03-LG-F01	36-FS01-WC-F01	36-FS02-WC-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
Dibenzofuran	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Nitrophenol	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
2,4-Dinitrotoluene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Diethylphthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Fluorene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Chlorophenyl-phenylether	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Nitroaniline	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
4,6-Dinitro-2-methylphenol	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
N-Nitrosodiphenylamine	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
4-Bromophenyl-phenylether	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Hexachlorobenzene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Pentachlorophenol	3175 UJ	4082 UJ	2740 UJ	3187 UJ	4420 UJ	3865 UJ
Phenanthrene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Anthracene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Carbazole	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Di-n-butylphthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Fluoranthene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Pyrene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Butylbenzylphthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Benzo(a)anthracene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
3,3'-Dichlorobenzidine	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Chrysene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
bis(2-Ethylhexyl)phthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Di-n-octylphthalate	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Benzo(b)fluoranthene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Benzo(k)fluoranthene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Benzo(a)pyrene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Indeno(1,2,3-cd)pyrene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Dibenz(a,h)anthracene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ
Benzo(g,h,i)perylene	1310 UJ	1684 UJ	1130 UJ	1315 UJ	1823 UJ	1594 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-SM-F01	36-FS03-LMB-F01	36-FS03-WM-F01	36-FS03-LG-F01	36-FS01-WC-F01	36-FS02-WC-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
alpha-BHC	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
beta-BHC	14 UJ	17 UJ	11 J	14 UJ	9.6 J	4.2 J
delta-BHC	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
gamma-BHC (Lindane)	14 UJ	17 UJ	4.9 J	14 UJ	19 UJ	16 UJ
Heptachlor	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
Aldrin	6.6 J	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
Heptachlor epoxide	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
Endosulfan I	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
Dieldrin	48 J	5.2 J	40 J	26 UJ	7.8 J	10 J
4,4'-DDE	444 J	39 J	394 J	186 J	148 J	72 J
Endrin	17 J	17 UJ	4.6 J	14 UJ	8.8 J	16 UJ
Endosulfan II	26 UJ	34 UJ	4.5 J	26 UJ	36 UJ	32 UJ
4,4'-DDD	256 J	22 J	133 J	47 J	40 J	22 J
Endosulfan sulfate	26 UJ	34 UJ	26 UJ	26 UJ	36 UJ	32 UJ
4,4'-DDT	26 UJ	34 UJ	26 UJ	26 UJ	36 UJ	32 UJ
Methoxychlor	135 UJ	173 UJ	135 UJ	135 UJ	188 UJ	164 UJ
Endrin ketone	26 UJ	34 UJ	26 UJ	26 UJ	36 UJ	32 UJ
Endrin aldehyde	13 J	34 UJ	26 UJ	26 UJ	36 UJ	32 UJ
alpha-Chlordane	46 J	3.5 J	27 J	14 J	22 J	12 J
gamma-Chlordane	14 UJ	17 UJ	14 UJ	14 UJ	19 UJ	16 UJ
Toxaphene	1350 UJ	1730 UJ	1350 UJ	1350 UJ	1880 UJ	1640 UJ
Aroclor-1016	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ
Aroclor-1221	532 UJ	684 UJ	534 UJ	534 UJ	740 UJ	647 UJ
Aroclor-1232	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ
Aroclor-1242	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ
Aroclor-1248	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ
Aroclor-1254	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ
Aroclor-1260	262 UJ	337 UJ	263 UJ	263 UJ	365 UJ	319 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-WC-F01	36-FS03-WC-F02	36-FS02-LMB-F01	35-FS03-BG-F01	36-FS02-SM-F01	35-FS03-LG-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
Chloromethane	50 UJ	33 U	48 U	NA	NA	NA
Bromomethane	50 UJ	33 U	48 U	NA	NA	NA
Vinyl Chloride	50 UJ	33 U	48 U	NA	NA	NA
Chloroethane	50 UJ	33 U	48 U	NA	NA	NA
Methylene Chloride	50 J	33 U	48 U	NA	NA	NA
Acetone	413 J	255 J	1550 J	NA	NA	NA
Carbon Disulfide	348 J	278 J	1145 J	NA	NA	NA
1,1-Dichloroethene	50 UJ	33 U	48 U	NA	NA	NA
1,1-Dichloroethane	50 UJ	33 U	48 U	NA	NA	NA
1,2-Dichloroethene (total)	50 UJ	33 U	48 U	NA	NA	NA
Chloroform	50 UJ	33 U	48 U	NA	NA	NA
1,2-Dichloroethane	50 UJ	33 U	48 U	NA	NA	NA
2-Butanone	50 UJ	9 U	48 U	NA	NA	NA
1,1,1-Trichloroethane	50 UJ	33 U	48 U	NA	NA	NA
Carbon Tetrachloride	50 UJ	33 U	48 U	NA	NA	NA
Bromodichloromethane	50 UJ	33 U	48 U	NA	NA	NA
1,2-Dichloropropane	50 UJ	33 U	48 U	NA	NA	NA
cis-1,3-Dichloropropene	50 UJ	33 U	48 U	NA	NA	NA
Trichloroethene	50 UJ	33 U	48 U	NA	NA	NA
Dibromochloromethane	50 UJ	33 U	48 U	NA	NA	NA
1,1,2-Trichloroethane	50 UJ	33 U	48 U	NA	NA	NA
Benzene	50 UJ	33 U	48 U	NA	NA	NA
trans-1,3-Dichloropropene	50 UJ	33 U	48 U	NA	NA	NA
Bromoform	50 UJ	33 U	48 U	NA	NA	NA
4-Methyl-2-Pentanone	50 UJ	33 U	48 U	NA	NA	NA
2-Hexanone	50 UJ	33 U	48 U	NA	NA	NA
Tetrachloroethene	50 UJ	33 U	48 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	50 UJ	33 U	48 U	NA	NA	NA
Toluene	50 UJ	33 U	48 U	NA	NA	NA
Chlorobenzene	50 UJ	33 U	48 U	NA	NA	NA
Ethylbenzene	50 UJ	33 U	48 U	NA	NA	NA
Styrene	50 UJ	33 U	48 U	NA	NA	NA
Xylene (total)	50 UJ	33 U	48 U	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-WC-F01	36-FS03-WC-F02	36-FS02-LMB-F01	35-FS03-BG-F01	36-FS02-SM-F01	35-FS03-LG-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
Phenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
bis(2-Chloroethyl)ether	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2-Chlorophenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
1,3-Dichlorobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
1,4-Dichlorobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
1,2-Dichlorobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2-Methylphenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,2'-oxybis(1-Chloropropane)	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Methylphenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
N-Nitroso-di-n-propylamine	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Hexachloroethane	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Nitrobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Isophorone	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2-Nitrophenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4-Dimethylphenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
bis(2-Chloroethoxy)methane	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4-Dichlorophenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
1,2,4-Trichlorobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Naphthalene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Chloroaniline	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Hexachlorobutadiene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Chloro-3-methylphenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2-Methylnaphthalene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Hexachlorocyclopentadiene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4,6-Trichlorophenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4,5-Trichlorophenol	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
2-Chloronaphthalene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2-Nitroaniline	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
Dimethylphthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Acenaphthylene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,6-Dinitrotoluene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
3-Nitroaniline	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
Acenaphthene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4-Dinitrophenol	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-WC-F01	36-FS03-WC-F02	36-FS02-LMB-F01	35-FS03-BG-F01	36-FS02-SM-F01	35-FS03-LG-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.						
Dibenzofuran	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Nitrophenol	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
2,4-Dinitrotoluene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Diethylphthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Fluorene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Chlorophenyl-phenylether	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Nitroaniline	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
4,6-Dinitro-2-methylphenol	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
N-Nitrosodiphenylamine	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
4-Bromophenyl-phenylether	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Hexachlorobenzene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Pentachlorophenol	3960 UJ	4598 UJ	3721 UJ	3100 UJ	3100 UJ	3800 UJ
Phenanthrene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Anthracene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Carbazole	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Di-n-butylphthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Fluoranthene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Pyrene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Butylbenzylphthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Benzo(a)anthracene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
3,3'-Dichlorobenzidine	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Chrysene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
bis(2-Ethylhexyl)phthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Di-n-octylphthalate	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Benzo(b)fluoranthene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Benzo(k)fluoranthene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Benzo(a)pyrene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Indeno(1,2,3-cd)pyrene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Dibenz(a,h)anthracene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ
Benzo(g,h,i)perylene	1634 UJ	1896 UJ	1535 UJ	1300 UJ	1300 UJ	1600 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS03-WC-F01	36-FS03-WC-F02	36-FS02-LMB-F01	35-FS03-BG-F01	36-FS02-SM-F01	35-FS03-LG-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDE/PCBs						
alpha-BHC	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	16 UJ
beta-BHC	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	16 UJ
delta-BHC	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	16 UJ
gamma-BHC (Lindane)	17 UJ	19 UJ	16 UJ	3.9 J	13 UJ	16 UJ
Heptachlor	17 UJ	19 UJ	16 UJ	4.3 J	13 UJ	16 UJ
Aldrin	17 UJ	5.7 J	16 UJ	14 UJ	13 UJ	16 UJ
Heptachlor epoxide	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	3.9 J
Endosulfan I	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	16 UJ
Dieldrin	13 J	11 J	8 J	4.3 J	17 J	31 UJ
4,4'-DDE	110 J	80 J	45 J	184 J	137 J	297 J
Endrin	17 UJ	19 UJ	16 UJ	10 J	13 UJ	26 J
Endosulfan II	33 UJ	38 UJ	31 UJ	27 UJ	25 UJ	3.6 J
4,4'-DDD	70 J	22 J	50 J	40 J	100 J	54 J
Endosulfan sulfate	33 UJ	38 UJ	31 UJ	27 UJ	25 UJ	31 UJ
4,4'-DDT	33 UJ	38 UJ	31 UJ	8.3 J	6.3 J	4.5 J
Methoxychlor	168 UJ	193 UJ	158 UJ	138 UJ	130 UJ	160 UJ
Endrin ketone	33 UJ	38 UJ	31 UJ	27 UJ	25 UJ	31 UJ
Endrin aldehyde	33 UJ	38 UJ	31 UJ	27 UJ	4 J	31 UJ
alpha-Chlordane	10 J	14 J	16 UJ	8.4 J	18 J	16 UJ
gamma-Chlordane	17 UJ	19 UJ	16 UJ	14 UJ	13 UJ	16 UJ
Toxaphene	1680 UJ	1930 UJ	1580 UJ	1380 UJ	1310 UJ	1600 UJ
Aroclor-1016	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ
Aroclor-1221	663 UJ	761 UJ	623 UJ	545 UJ	515 UJ	629 UJ
Aroclor-1232	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ
Aroclor-1242	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ
Aroclor-1248	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ
Aroclor-1254	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ
Aroclor-1260	327 UJ	375 UJ	307 UJ	268 UJ	254 UJ	310 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FS03-WM-F01
DATE SAMPLED	05/03/94
UNITS	UG/KG
VOLATILES	
Chloromethane	NA
Bromomethane	NA
Vinyl Chloride	NA
Chloroethane	NA
Methylene Chloride	NA
Acetone	NA
Carbon Disulfide	NA
1,1-Dichloroethene	NA
1,1-Dichloroethane	NA
1,2-Dichloroethene (total)	NA
Chloroform	NA
1,2-Dichloroethane	NA
2-Butanone	NA
1,1,1-Trichloroethane	NA
Carbon Tetrachloride	NA
Bromodichloromethane	NA
1,2-Dichloropropane	NA
cis-1,3-Dichloropropene	NA
Trichloroethene	NA
Dibromochloromethane	NA
1,1,2-Trichloroethane	NA
Benzene	NA
trans-1,3-Dichloropropene	NA
Bromoform	NA
4-Methyl-2-Pentanone	NA
2-Hexanone	NA
Tetrachloroethene	NA
1,1,2,2-Tetrachloroethane	NA
Toluene	NA
Chlorobenzene	NA
Ethylbenzene	NA
Styrene	NA
Xylene (total)	NA

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FS03-WM-F01
DATE SAMPLED	05/03/94
UNITS	UG/KG
SEMIVOLATILES	
Phenol	1000 UJ
bis(2-Chloroethyl)ether	1000 UJ
2-Chlorophenol	1000 UJ
1,3-Dichlorobenzene	1000 UJ
1,4-Dichlorobenzene	1000 UJ
1,2-Dichlorobenzene	1000 UJ
2-Methylphenol	1000 UJ
2,2'-oxybis(1-Chloropropane)	1000 UJ
4-Methylphenol	1000 UJ
N-Nitroso-di-n-propylamine	1000 UJ
Hexachloroethane	1000 UJ
Nitrobenzene	1000 UJ
Isophorone	1000 UJ
2-Nitrophenol	1000 UJ
2,4-Dimethylphenol	1000 UJ
bis(2-Chloroethoxy)methane	1000 UJ
2,4-Dichlorophenol	1000 UJ
1,2,4-Trichlorobenzene	1000 UJ
Naphthalene	1000 UJ
4-Chloroaniline	1000 UJ
Hexachlorobutadiene	1000 UJ
4-Chloro-3-methylphenol	1000 UJ
2-Methylnaphthalene	1000 UJ
Hexachlorocyclopentadiene	1000 UJ
2,4,6-Trichlorophenol	1000 UJ
2,4,5-Trichlorophenol	2400 UJ
2-Chloronaphthalene	1000 UJ
2-Nitroaniline	2400 UJ
Dimethylphthalate	1000 UJ
Acenaphthylene	1000 UJ
2,6-Dinitrotoluene	1000 UJ
3-Nitroaniline	2400 UJ
Acenaphthene	1000 UJ
2,4-Dinitrophenol	2400 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FS03-WM-F01
DATE SAMPLED	05/03/94
UNITS	UG/KG

SEMIVOLATILES cont.	
Dibenzofuran	1000 UJ
4-Nitrophenol	1000 UJ
2,4-Dinitrotoluene	1000 UJ
Diethylphthalate	1000 UJ
Fluorene	1000 UJ
4-Chlorophenyl-phenylether	1000 UJ
4-Nitroaniline	2400 UJ
4,6-Dinitro-2-methylphenol	2400 UJ
N-Nitrosodiphenylamine	1000 UJ
4-Bromophenyl-phenylether	1000 UJ
Hexachlorobenzene	1000 UJ
Pentachlorophenol	2400 UJ
Phenanthrene	1000 UJ
Anthracene	1000 UJ
Carbazole	1000 UJ
Di-n-butylphthalate	1000 UJ
Fluoranthene	1000 UJ
Pyrene	1000 UJ
Butylbenzylphthalate	1000 UJ
Benzo(a)anthracene	1000 UJ
3,3'-Dichlorobenzidine	1000 UJ
Chrysene	1000 UJ
bis(2-Ethylhexyl)phthalate	1000 UJ
Di-n-octylphthalate	1000 UJ
Benzo(b)fluoranthene	1000 UJ
Benzo(k)fluoranthene	1000 UJ
Benzo(a)pyrene	1000 UJ
Indeno(1,2,3-cd)pyrene	1000 UJ
Dibenz(a,h)anthracene	1000 UJ
Benzo(g,h,i)perylene	1000 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	35-FS03-WM-F01
DATE SAMPLED	05/03/94
UNITS	UG/KG
PESTICIDE/PCBs	
alpha-BHC	10 UJ
beta-BHC	10 UJ
delta-BHC	10 UJ
gamma-BHC (Lindane)	2.5 J
Heptachlor	10 UJ
Aldrin	10 UJ
Heptachlor epoxide	10 UJ
Endosulfan I	10 UJ
Dieldrin	31 J
4,4'-DDE	254 J
Endrin	10 UJ
Endosulfan II	20 UJ
4,4'-DDD	56 J
Endosulfan sulfate	20 UJ
4,4'-DDT	15 J
Methoxychlor	100 UJ
Endrin ketone	3.8 J
Endrin aldehyde	20 UJ
alpha-Chlordane	17 J
gamma-Chlordane	10 UJ
Toxaphene	1000 UJ
Aroclor-1016	195 UJ
Aroclor-1221	396 UJ
Aroclor-1232	195 UJ
Aroclor-1242	195 UJ
Aroclor-1248	195 UJ
Aroclor-1254	195 UJ
Aroclor-1260	195 UJ

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	33 U	250 UJ	ND	ND		0/15
Bromomethane	7 U	250 UJ	ND	ND		0/15
Vinyl Chloride	33 U	250 UJ	ND	ND		0/15
Chloroethane	33 U	250 UJ	ND	ND		0/15
Methylene Chloride	33 U	250 UJ	26 J	50 J	36-FS03-WC-F01	3/15
Acetone	36 UJ	249 UJ	58 J	2788 J	36-FS03-LMB-F01	8/15
Carbon Disulfide	NA	NA	196 J	1328	35-FSO3-SM-FO1	15/15
1,1-Dichloroethene	33 U	250 UJ	ND	ND		0/15
1,1-Dichloroethane	33 U	250 UJ	ND	ND		0/15
1,2-Dichloroethene (total)	33 U	250 UJ	ND	ND		0/15
Chloroform	33 U	250 UJ	ND	ND		0/15
1,2-Dichloroethane	33 U	250 UJ	ND	ND		0/15
2-Butanone	9 U	249 UJ	63 J	5108 J	36-FS03-LMB-F01	2/15
1,1,1-Trichloroethane	33 U	250 UJ	ND	ND		0/15
Carbon Tetrachloride	33 U	250 UJ	ND	ND		0/15
Bromodichloromethane	33 U	250 UJ	ND	ND		0/15
1,2-Dichloropropane	33 U	250 UJ	ND	ND		0/15
cis-1,3-Dichloropropene	33 U	250 UJ	ND	ND		0/15
Trichloroethene	33 U	250 UJ	ND	ND		0/15
Dibromochloromethane	33 U	250 UJ	ND	ND		0/15
1,1,2-Trichloroethane	33 U	250 UJ	ND	ND		0/15
Benzene	33 U	250 UJ	ND	ND		0/15
trans-1,3-Dichloropropene	33 U	250 UJ	ND	ND		0/15
Bromoform	33 U	250 UJ	ND	ND		0/15
4-Methyl-2-Pentanone	33 U	250 UJ	ND	ND		0/15
2-Hexanone	33 U	250 UJ	ND	ND		0/15
Tetrachloroethene	33 U	250 UJ	ND	ND		0/15
1,1,2,2-Tetrachloroethane	33 U	250 UJ	ND	ND		0/15
Toluene	33 U	250 UJ	24 J	24 J	35-FSO3-SM-FO1	1/15
Chlorobenzene	33 U	250 UJ	ND	ND		0/15
Ethylbenzene	33 U	250 UJ	ND	ND		0/15
Styrene	33 U	250 UJ	ND	ND		0/15
Xylene (total)	33 U	250 UJ	ND	ND		0/15

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
Phenol	1000 UJ	1896 UJ	ND	ND		0/19
bis(2-Chloroethyl)ether	1000 UJ	1896 UJ	ND	ND		0/19
2-Chlorophenol	1000 UJ	1896 UJ	ND	ND		0/19
1,3-Dichlorobenzene	1000 UJ	1896 UJ	ND	ND		0/19
1,4-Dichlorobenzene	1000 UJ	1896 UJ	ND	ND		0/19
1,2-Dichlorobenzene	1000 UJ	1896 UJ	ND	ND		0/19
2-Methylphenol	1000 UJ	1896 UJ	ND	ND		0/19
2,2'-oxybis(1-Chloropropane)	1000 UJ	1896 UJ	ND	ND		0/19
4-Methylphenol	1000 UJ	1896 UJ	ND	ND		0/19
N-Nitroso-di-n-propylamine	1000 UJ	1896 UJ	ND	ND		0/19
Hexachloroethane	1000 UJ	1896 UJ	ND	ND		0/19
Nitrobenzene	1000 UJ	1896 UJ	ND	ND		0/19
Isophorone	1000 UJ	1896 UJ	ND	ND		0/19
2-Nitrophenol	1000 UJ	1896 UJ	ND	ND		0/19
2,4-Dimethylphenol	1000 UJ	1896 UJ	ND	ND		0/19
bis(2-Chloroethoxy)methane	1000 UJ	1896 UJ	ND	ND		0/19
2,4-Dichlorophenol	1000 UJ	1896 UJ	ND	ND		0/19
1,2,4-Trichlorobenzene	1000 UJ	1896 UJ	ND	ND		0/19
Naphthalene	1000 UJ	1896 UJ	ND	ND		0/19
4-Chloroaniline	1000 UJ	1896 UJ	ND	ND		0/19
Hexachlorobutadiene	1000 UJ	1896 UJ	ND	ND		0/19
4-Chloro-3-methylphenol	1000 UJ	1896 UJ	ND	ND		0/19
2-Methylnaphthalene	1000 UJ	1896 UJ	ND	ND		0/19
Hexachlorocyclopentadiene	1000 UJ	1896 UJ	ND	ND		0/19
2,4,6-Trichlorophenol	1000 UJ	1896 UJ	ND	ND		0/19
2,4,5-Trichlorophenol	2400 UJ	4598 UJ	ND	ND		0/19
2-Chloronaphthalene	1000 UJ	1896 UJ	ND	ND		0/19
2-Nitroaniline	2400 UJ	4598 UJ	ND	ND		0/19
Dimethylphthalate	1000 UJ	1896 UJ	ND	ND		0/19
Acenaphthylene	1000 UJ	1896 UJ	ND	ND		0/19
2,6-Dinitrotoluene	1000 UJ	1896 UJ	ND	ND		0/19
3-Nitroaniline	2400 UJ	4598 UJ	ND	ND		0/19
Acenaphthene	1000 UJ	1896 UJ	ND	ND		0/19
2,4-Dinitrophenol	2400 UJ	4598 UJ	ND	ND		0/19

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
Dibenzofuran	1000 UJ	1896 UJ	ND	ND		0/19
4-Nitrophenol	1000 UJ	1896 UJ	ND	ND		0/19
2,4-Dinitrotoluene	1000 UJ	1896 UJ	ND	ND		0/19
Diethylphthalate	1000 UJ	1896 UJ	ND	ND		0/19
Fluorene	1000 UJ	1896 UJ	ND	ND		0/19
4-Chlorophenyl-phenylether	1000 UJ	1896 UJ	ND	ND		0/19
4-Nitroaniline	2400 UJ	4598 UJ	ND	ND		0/19
4,6-Dinitro-2-methylphenol	2400 UJ	4598 UJ	ND	ND		0/19
N-Nitrosodiphenylamine	1000 UJ	1896 UJ	ND	ND		0/19
4-Bromophenyl-phenylether	1000 UJ	1896 UJ	ND	ND		0/19
Hexachlorobenzene	1000 UJ	1896 UJ	ND	ND		0/19
Pentachlorophenol	2400 UJ	4598 UJ	ND	ND		0/19
Phenanthrene	1000 UJ	1896 UJ	ND	ND		0/19
Anthracene	1000 UJ	1896 UJ	ND	ND		0/19
Carbazole	1000 UJ	1896 UJ	ND	ND		0/19
Di-n-butylphthalate	1000 UJ	1896 UJ	ND	ND		0/19
Fluoranthene	1000 UJ	1896 UJ	ND	ND		0/19
Pyrene	1000 UJ	1896 UJ	ND	ND		0/19
Butylbenzylphthalate	1000 UJ	1896 UJ	ND	ND		0/19
Benzo(a)anthracene	1000 UJ	1896 UJ	ND	ND		0/19
3,3'-Dichlorobenzidine	1000 UJ	1896 UJ	ND	ND		0/19
Chrysene	1000 UJ	1896 UJ	ND	ND		0/19
bis(2-Ethylhexyl)phthalate	1000 UJ	1896 UJ	ND	ND		0/19
Di-n-octylphthalate	1000 UJ	1896 UJ	ND	ND		0/19
Benzo(b)fluoranthene	1000 UJ	1896 UJ	ND	ND		0/19
Benzo(k)fluoranthene	1000 UJ	1896 UJ	ND	ND		0/19
Benzo(a)pyrene	1000 UJ	1896 UJ	ND	ND		0/19
Indeno(1,2,3-cd)pyrene	1000 UJ	1896 UJ	ND	ND		0/19
Dibenz(a,h)anthracene	1000 UJ	1896 UJ	ND	ND		0/19
Benzo(g,h,i)perylene	1000 UJ	1896 UJ	ND	ND		0/19

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBs						
alpha-BHC	10 UJ	19 UJ	ND	ND		0/19
beta-BHC	10 UJ	19 UJ	4.2 J	11 J	36-FS03-WM-F01	4/19
delta-BHC	10 UJ	19 UJ	ND	ND		0/19
gamma-BHC (Lindane)	12 UJ	19 UJ	2.5 J	5.5 J	36-FS01-SM-F01	4/19
Heptachlor	10 UJ	19 UJ	2.8 J	4.3 J	35-FS03-BG-F01	2/19
Aldrin	10 UJ	19 UJ	5.7 J	6.6 J	36-FS03-SM-F01	2/19
Heptachlor epoxide	10 UJ	19 UJ	3.9 J	3.9 J	35-FS03-LG-F01	1/19
Endosulfan I	10 UJ	19 UJ	ND	ND		0/19
Dieldrin	15 UJ	31 UJ	4.3 J	48 J	36-FS03-SM-F01	15/19
4,4'-DDE	NA	NA	39 J	572 J	35-FSO3-LG-FO2	19/19
Endrin	10 UJ	19 UJ	2.5 J	52 JJ	35-FSO3-LG-FO2	9/19
Endosulfan II	20 UJ	38 UJ	3.6 J	9.6 J	35-FSO3-LG-FO2	4/19
4,4'-DDD	NA	NA	22 J	256 J	36-FS03-SM-F01	19/19
Endosulfan sulfate	20 UJ	38 UJ	ND	ND		0/19
4,4'-DDT	26 UJ	38 UJ	2.5 J	15 J	35-FS03-WM-F01	10/19
Methoxychlor	100 UJ	193 UJ	ND	ND		0/19
Endrin ketone	24 UJ	38 UJ	3.6 J	3.8 J	35-FS03-WM-F01	2/19
Endrin aldehyde	20 UJ	38 UJ	2.8 J	13 J	36-FS03-SM-F01	3/19
alpha-Chlordane	12 UJ	17 UJ	3.5 J	46 J	36-FS03-SM-F01	15/19
gamma-Chlordane	10 UJ	19 UJ	ND	ND		0/19
Toxaphene	1000 UJ	1930 UJ	ND	ND		0/19
Aroclor-1016	195 UJ	375 UJ	ND	ND		0/19
Aroclor-1221	396 UJ	761 UJ	ND	ND		0/19
Aroclor-1232	195 UJ	375 UJ	ND	ND		0/19
Aroclor-1242	195 UJ	375 UJ	ND	ND		0/19
Aroclor-1248	195 UJ	375 UJ	ND	ND		0/19
Aroclor-1254	195 UJ	375 UJ	ND	ND		0/19
Aroclor-1260	195 UJ	375 UJ	ND	ND		0/19

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	35-FS02-MC-F01	35-FS03-MC-F01	35-FS03-WM-F01	35-FS03-SM-F01	35-FS03-BG-F01	36-FS01-SM-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
ANALYTES						
Aluminum	10 U	25.9	11.9 U	27.3	20	18.5 U
Antimony	19.6 U	22.6 U	9.5 U	20.5 U	15.1 U	16.7 U
Arsenic	0.46 UJ	0.53 UJ	1.7 UJ	0.52 UJ	2.4 UJ	1.9 UJ
Barium	0.43 U	0.54	0.43	0.76	0.64	0.41
Beryllium	0.43 U	0.49 U	0.21 U	0.45 U	0.33 U	0.36 U
Cadmium	0.1 U	0.19 U	0.08 U	0.14 U	0.11 U	0.08 U
Calcium	724 UJ	925 J	13300 J	1140 J	13200 J	839 J
Chromium	3 U	3.4 U	1.4 U	3.1 U	2.3 U	2.5 U
Cobalt	4.7 U	5.4 U	2.3 U	4.9 U	3.6 U	4 U
Copper	3.9	4.5	2.3	5.6	2.8	3.3
Iron	38.2	48	17 U	39.1	32.4 U	40.6
Lead	0.49 U	1.2 U	0.86 U	N/A	2 U	0.36 U
Magnesium	1190	1420	1000	833	1260	929
Manganese	3.1	1.1	1.5	0.89 U	2.1	1
Mercury	0.24 R	0.25 R	0.33 J	0.18 R	0.2 R	0.18 R
Nickel	4.7 U	5.4 U	2.3 U	4.9 U	3.6 U	4 U
Potassium	16400	19000	9180	12500	13500	12400
Selenium	0.54 UJ	0.62 UJ	0.51 UJ	3 UJ	0.56 UJ	0.44 UJ
Silver	1.3 R	1.5 U	0.75 R	1.3 U	0.98 U	1.1 U
Sodium	2770	2920	1970	21900	5720	2160
Thallium	0.23 U	0.26 U	0.17 U	0.26 UJ	0.24 UJ	0.19 U
Vanadium	2.1 U	2.5 U	1 U	2.2 U	1.6 U	1.8 U
Zinc	27.5 R	33.2 R	30.2 R	28.7 R	40.5	32 R

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	36-FS02-SM-F01	35-FSO2-LG-FO1	35-FS03-LG-F01	35-FSO3-LG-FO2	36-FS03-SM-F01	36-FS03-LMB-F01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
ANALYTES						
Aluminum	24.7	25.8	22.1 U	17.8 U	21.6 U	21.7 U
Antimony	17.2 U	16.6 U	21.4 U	16.6 U	18.3 U	23.5 U
Arsenic	0.39 UJ	0.49 UJ	0.55 UJ	0.45 UJ	1.3 U	1.8 U
Barium	2.2	0.52	0.53	0.36 U	1.2	0.65
Beryllium	0.37 U	0.36 U	0.46 U	0.36 U	0.4 U	0.51 U
Cadmium	0.18 U	0.35	0.5	0.33	0.12 U	0.2 U
Calcium	7070 J	878 J	995 J	676 J	1570	1440
Chromium	2.6 U	2.5 U	3.3 U	2.5 U	3	3.6 U
Cobalt	4.1 U	4 U	5.1 U	4 U	4.4 U	5.6 U
Copper	3.5	3.3	3.1	2.7	4 U	3.9 U
Iron	41.7	29.4 U	28.8 U	25.8 U	41.7	40.2
Lead	0.38 U	0.45 U	0.47 U	0.42 U	0.4 UJ	0.51 UJ
Magnesium	1070	1330	1230	1160	994	1470
Manganese	1.1	1.9	1.6	1.5	0.86	1 U
Mercury	0.18 R	0.98 J	0.49 J	0.3 J	0.2 UJ	1.3 J
Nickel	4.1 U	4 U	5.1 U	4 U	4.4 U	5.6 U
Potassium	12300	14200	13900	12200	14000	20200
Selenium	0.46 UJ	0.57 UJ	0.64 UJ	0.53 UJ	2.8 UJ	5.8 J
Silver	1.1 R	2.9 R	1.4 U	1.1 U	1.2 U	1.5 U
Sodium	2480	2550	2900	2660	2270 U	3440 U
Thallium	0.2 UJ	0.24 U	0.28 U	0.23 U	0.32 U	0.41 U
Vanadium	1.9 U	1.8 U	2.3 U	1.8 U	2 U	2.6 U
Zinc	38	32.7 R	31.7 R	18.9 R	28.8	22.9

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	36-FS03-WM-F01	36-FS03-LG-F01	36-FS01-WC-F01	36-FS02-WC-F01	36-FS03-WC-F01	36-FS03-WC-F02
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
ANALYTES						
Aluminum	18.6 U	22.3 U	31 U	23.8 U	23.6 U	22.5 U
Antimony	15.8 U	18.3 U	25.4 U	22.2 U	22.8 U	26.4 U
Arsenic	0.96 U	2 U	2 U	1.8	1.6 U	1.5 U
Barium	0.62	0.52	1	1 U	0.86	0.79
Beryllium	0.34 U	0.4 U	0.55 U	0.48 U	0.5 U	0.57 U
Cadmium	0.08 U	0.22 U	0.12 U	0.13 U	0.12 U	0.14 U
Calcium	7060	678	939 U	821 U	1090	1590
Chromium	2.4 U	2.8 U	3.9 U	3.4 U	3.5 U	4 U
Cobalt	3.8 U	4.4 U	6.1 U	5.3 U	5.4 U	6.3 U
Copper	2.5 U	2.3 U	3.8 U	3.9 U	4.2 U	3.8 U
Iron	34.6	28	52	45	39.8	53.6
Lead	0.51 R	0.56 R	0.55 U	0.48 UJ	0.5 U	0.63 R
Magnesium	981	1210	1250	1310	1220	1380
Manganese	2	1.7	2.5	2.1	2.3	1.8
Mercury	0.17 UJ	0.29 J	0.33 J	0.24 UJ	0.25 UJ	0.29 UJ
Nickel	3.8 U	4.4 U	6.1 U	5.3 U	5.4 U	6.3 U
Potassium	11800	12100	18900	16000	17600	17900
Selenium	0.48 UJ	0.6 J	0.99 J	0.68 UJ	0.69 UJ	0.8 UJ
Silver	1	1.3	1.7 U	1.4 U	3.3	2.2
Sodium	2510 U	2530 U	4010 U	2990 U	3500 U	3910 U
Thallium	0.38 U	0.28 U	0.94 U	0.39 U	0.4 U	0.34 U
Vanadium	1.7	2 U	2.8 U	2.4 U	2.5 U	2.9 U
Zinc	33.1	18.2	58.3	34.9	35.2	39

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	6-FS02-LMB-F01
DATE SAMPLED	05/03/94
UNITS	MG/KG
ANALYTES	
Aluminum	22.1 U
Antimony	21.4 U
Arsenic	1.7 U
Barium	0.6
Beryllium	0.47 U
Cadmium	0.11 U
Calcium	6750
Chromium	4
Cobalt	5.1 U
Copper	3.2 U
Iron	43.3
Lead	0.47 UJ
Magnesium	1400
Manganese	1.3
Mercury	1.2 J
Nickel	5.1 U
Potassium	15000
Selenium	0.65 UJ
Silver	1.4
Sodium	4820 U
Thallium	0.37 U
Vanadium	2.3 U
Zinc	26.8

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
ANALYTES						
Aluminum	10 U	31 U	20	27.3	35-FS03-SM-F01	5/19
Antimony	9.5 U	26.4 U	ND	ND		0/19
Arsenic	0.39 UJ	2.4 UJ	1.8	1.8	36-FS02-WC-F01	1/19
Barium	0.36 U	1 U	0.41	2.2	36-FS02-SM-F01	16/19
Beryllium	0.21 U	0.57 U	ND	ND		0/19
Cadmium	0.08 U	0.22 U	0.33	0.5	35-FS03-LG-F01	3/19
Calcium	724 UJ	939 U	676 J	13300 J	35-FS03-WM-F01	16/19
Chromium	1.4 U	4 U	3	4	36-FS02-LMB-F01	2/19
Cobalt	2.3 U	6.3 U	ND	ND		0/19
Copper	2.3 U	4.2 U	2.3	5.6	35-FS03-SM-F01	10/19
Iron	17 U	32.4 U	28	53.6	36-FS03-WC-F02	14/19
Lead	0.36 U	2 U	0 N/A	ND		1/16
Magnesium	NA	NA	833	1470	36-FS03-LMB-F01	19/19
Manganese	0.89 U	1 U	0.86	3.1	35-FS02-MC-F01	17/19
Mercury	0.17 UJ	0.29 UJ	0.29 J	1.3 J	36-FS03-LMB-F01	8/13
Nickel	2.3 U	6.3 U	ND	ND		0/19
Potassium	NA	NA	9180	20200	36-FS03-LMB-F01	19/19
Selenium	0.44 UJ	3 UJ	0.6 J	5.8 J	36-FS03-LMB-F01	3/19
Silver	0.98 U	1.7 U	1	3.3	36-FS03-WC-F01	5/15
Sodium	2270 U	4820 U	1970	21900	35-FS03-SM-F01	10/19
Thallium	0.17 U	0.94 U	ND	ND		0/19
Vanadium	1 U	2.9 U	1.7	1.7	36-FS03-WM-F01	1/19
Zinc	NA	NA	18.2	58.3	36-FS01-WC-F01	11/11

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-LG-WB01	35-FSO3-MC-WBO1	35-FS2-AE-WB01	36-FS01-SM-WB01	35-FS02-PS-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILES					
Chloromethane	50 UJ	38 UJ	NA	NA	NA
Bromomethane	50 UJ	38 UJ	NA	NA	NA
Vinyl Chloride	50 UJ	38 UJ	NA	NA	NA
Chloroethane	50 UJ	38 UJ	NA	NA	NA
Methylene Chloride	50 UJ	38 UJ	NA	NA	NA
Acetone	137 J	24684 J	NA	NA	NA
Carbon Disulfide	469 J	1064 J	NA	NA	NA
1,1-Dichloroethene	50 UJ	38 UJ	NA	NA	NA
1,1-Dichloroethane	50 UJ	37 J	NA	NA	NA
1,2-Dichloroethene (total)	50 UJ	38 UJ	NA	NA	NA
Chloroform	50 UJ	38 UJ	NA	NA	NA
1,2-Dichloroethane	50 UJ	38 UJ	NA	NA	NA
2-Butanone	50 UJ	38 UJ	NA	NA	NA
1,1,1-Trichloroethane	50 UJ	38 UJ	NA	NA	NA
Carbon Tetrachloride	50 UJ	38 UJ	NA	NA	NA
Bromodichloromethane	50 UJ	38 UJ	NA	NA	NA
1,2-Dichloropropane	50 UJ	38 UJ	NA	NA	NA
cis-1,3-Dichloropropene	50 UJ	38 UJ	NA	NA	NA
Trichloroethene	50 UJ	38 UJ	NA	NA	NA
Dibromochloromethane	50 UJ	38 UJ	NA	NA	NA
1,1,2-Trichloroethane	50 UJ	38 UJ	NA	NA	NA
Benzene	50 UJ	38 UJ	NA	NA	NA
trans-1,3-Dichloropropene	50 UJ	38 UJ	NA	NA	NA
Bromoform	50 UJ	38 UJ	NA	NA	NA
4-Methyl-2-Pentanone	50 UJ	38 UJ	NA	NA	NA
2-Hexanone	50 UJ	38 UJ	NA	NA	NA
Tetrachloroethene	50 UJ	38 UJ	NA	NA	NA
1,1,2,2-Tetrachloroethane	50 UJ	38 UJ	NA	NA	NA
Toluene	50 UJ	38 UJ	NA	NA	NA
Chlorobenzene	50 UJ	38 UJ	NA	NA	NA
Ethylbenzene	50 UJ	38 UJ	NA	NA	NA
Styrene	50 UJ	38 UJ	NA	NA	NA
Xylene (total)	50 UJ	38 UJ	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-LG-WB01	35-FSO3-MC-WBO1	35-FS2-AE-WB01	36-FS01-SM-WB01	35-FS02-PS-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILES					
Phenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
bis(2-Chloroethyl)ether	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2-Chlorophenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
1,3-Dichlorobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
1,4-Dichlorobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
1,2-Dichlorobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2-Methylphenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,2'-oxybis(1-Chloropropane)	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Methylphenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
N-Nitroso-di-n-propylamine	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Hexachloroethane	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Nitrobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Isophorone	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2-Nitrophenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4-Dimethylphenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
bis(2-Chloroethoxy)methane	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4-Dichlorophenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
1,2,4-Trichlorobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Naphthalene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Chloroaniline	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Hexachlorobutadiene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Chloro-3-methylphenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2-Methylnaphthalene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Hexachlorocyclopentadiene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4,6-Trichlorophenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4,5-Trichlorophenol	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
2-Chloronaphthalene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2-Nitroaniline	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
Dimethylphthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Acenaphthylene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,6-Dinitrotoluene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
3-Nitroaniline	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
Acenaphthene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4-Dinitrophenol	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
Dibenzofuran	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-LG-WB01	35-FSO3-MC-WBO1	35-FS2-AE-WB01	36-FS01-SM-WB01	35-FS02-PS-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILES cont.					
4-Nitrophenol	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
2,4-Dinitrotoluene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Diethylphthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Fluorene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Chlorophenyl-phenylether	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Nitroaniline	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
4,6-Dinitro-2-methylphenol	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
N-Nitrosodiphenylamine	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
4-Bromophenyl-phenylether	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Hexachlorobenzene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Pentachlorophenol	3300 UJ	3100 UJ	3100 UJ	2400 UJ	2800 UJ
Phenanthrene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Anthracene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Carbazole	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Di-n-butylphthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Fluoranthene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Pyrene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Butylbenzylphthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Benzo(a)anthracene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
3,3'-Dichlorobenzidine	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Chrysene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
bis(2-Ethylhexyl)phthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Di-n-octylphthalate	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Benzo(b)fluoranthene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Benzo(k)fluoranthene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Benzo(a)pyrene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Indeno(1,2,3-cd)pyrene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Dibenz(a,h)anthracene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ
Benzo(g,h,i)perylene	1400 UJ	1300 UJ	1300 UJ	1000 UJ	1200 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-LG-WB01	35-FSO3-MC-WBO1	35-FS2-AE-WB01	36-FS01-SM-WB01	35-FS02-PS-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDE/PCBs					
alpha-BHC	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
beta-BHC	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
delta-BHC	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
gamma-BHC (Lindane)	16 UJ	13 UJ	13 UJ	8 J	3.7 UJ
Heptachlor	16 UJ	13 UJ	13 UJ	7.8 J	3.7 UJ
Aldrin	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
Heptachlor epoxide	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
Endosulfan I	16 UJ	13 UJ	13 UJ	11 UJ	3.7 UJ
Dieldrin	32 UJ	13 J	59 J	55 J	11 J
4,4'-DDE	249 J	95 J	434 J	400 J	81 J
Endrin	21 J	13 UJ	13 UJ	27 J	5.3 J
Endosulfan II	32 UJ	25 UJ	26 UJ	3.4 J	7.2 UJ
4,4'-DDD	52 J	53 J	319 J	99 J	38 J
Endosulfan sulfate	32 UJ	25 UJ	26 UJ	21 UJ	7.2 UJ
4,4'-DDT	5.8 J	6.4 J	58 J	17 J	11 UJ
Methoxychlor	165 UJ	129 UJ	13 UJ	110 UJ	37 UJ
Endrin ketone	32 UJ	25 UJ	14 J	21 UJ	7.2 UJ
Endrin aldehyde	6.5 J	25 UJ	26 UJ	21 UJ	7.2 UJ
alpha-Chlordane	23 J	20 J	32 J	60 J	3.7 UJ
gamma-Chlordane	16 UJ	12 J	13 UJ	22 J	3.7 UJ
Toxaphene	1650 UJ	1290 UJ	1320 UJ	1080 UJ	371 UJ
Aroclor-1016	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ
Aroclor-1221	650 UJ	510 UJ	521 UJ	425 UJ	146 UJ
Aroclor-1232	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ
Aroclor-1242	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ
Aroclor-1248	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ
Aroclor-1254	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ
Aroclor-1260	320 UJ	251 UJ	257 UJ	210 UJ	72 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FSO3-PS-WB01	35-FSO3-PS-WBO2	36-FS02-WC-WB01	36-FS02-WC-WB02	36-FS03-WC-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILES					
Chloromethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Bromomethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Vinyl Chloride	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Chloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Methylene Chloride	17 J	35 UJ	35 J	42 J	28 J
Acetone	39 J	35 UJ	1794 J	938 J	2360 J
Carbon Disulfide	467 J	835 J	402 J	1367 J	348 J
1,1-Dichloroethene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,1-Dichloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,2-Dichloroethene (total)	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Chloroform	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,2-Dichloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
2-Butanone	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,1,1-Trichloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Carbon Tetrachloride	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Bromodichloromethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,2-Dichloropropane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
cis-1,3-Dichloropropene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Trichloroethene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Dibromochloromethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,1,2-Trichloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Benzene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
trans-1,3-Dichloropropene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Bromoform	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
4-Methyl-2-Pentanone	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
2-Hexanone	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Tetrachloroethene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
1,1,2,2-Tetrachloroethane	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Toluene	31 UJ	35 UJ	48 UJ	42 UJ	33 J
Chlorobenzene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Ethylbenzene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Styrene	31 UJ	35 UJ	48 UJ	42 UJ	42 UJ
Xylene (total)	31 UJ	56 UJ	48 UJ	42 UJ	58 J

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FSO3-PS-WB01	35-FSO3-PS-WBO2	36-FS02-WC-WB01	36-FS02-WC-WB02	36-FS03-WC-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILES					
Phenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
bis(2-Chloroethyl)ether	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2-Chlorophenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
1,3-Dichlorobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
1,4-Dichlorobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
1,2-Dichlorobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2-Methylphenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,2'-oxybis(1-Chloropropane)	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Methylphenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
N-Nitroso-di-n-propylamine	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Hexachloroethane	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Nitrobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Isophorone	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2-Nitrophenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4-Dimethylphenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
bis(2-Chloroethoxy)methane	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4-Dichlorophenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
1,2,4-Trichlorobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Naphthalene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Chloroaniline	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Hexachlorobutadiene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Chloro-3-methylphenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2-Methylnaphthalene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Hexachlorocyclopentadiene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4,6-Trichlorophenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4,5-Trichlorophenol	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
2-Chloronaphthalene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2-Nitroaniline	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
Dimethylphthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Acenaphthylene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,6-Dinitrotoluene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
3-Nitroaniline	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
Acenaphthene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4-Dinitrophenol	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
Dibenzofuran	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FSO3-PS-WB01	35-FSO3-PS-WBO2	36-FS02-WC-WB01	36-FS02-WC-WB02	36-FS03-WC-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILES cont.					
4-Nitrophenol	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
2,4-Dinitrotoluene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Diethylphthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Fluorene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Chlorophenyl-phenylether	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Nitroaniline	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
4,6-Dinitro-2-methylphenol	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
N-Nitrosodiphenylamine	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
4-Bromophenyl-phenylether	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Hexachlorobenzene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Pentachlorophenol	15000 UJ	2800 UJ	3137 UJ	3306 UJ	2684 UJ
Phenanthrene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Anthracene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Carbazole	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Di-n-butylphthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Fluoranthene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Pyrene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Butylbenzylphthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Benzo(a)anthracene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
3,3'-Dichlorobenzidine	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Chrysene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
bis(2-Ethylhexyl)phthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Di-n-octylphthalate	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Benzo(b)fluoranthene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Benzo(k)fluoranthene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Benzo(a)pyrene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Indeno(1,2,3-cd)pyrene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Dibenz(a,h)anthracene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ
Benzo(g,h,i)perylene	6200 UJ	1100 UJ	1294 UJ	1364 UJ	1107 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FSO3-PS-WB01	35-FSO3-PS-WBO2	36-FS02-WC-WB01	36-FS02-WC-WB02	36-FS03-WC-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDE/PCBs					
alpha-BHC	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
beta-BHC	5.3 J	4.4 U	4.8 J	8.3 J	11 UJ
delta-BHC	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
gamma-BHC (Lindane)	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
Heptachlor	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
Aldrin	3.7 UJ	4.4 U	13 UJ	14 UJ	2.6 J
Heptachlor epoxide	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
Endosulfan I	3.7 UJ	4.4 U	13 UJ	14 UJ	11 UJ
Dieldrin	16 J	5 J	10 J	31 J	3.2 J
4,4'-DDE	152 J	53 J	239 J	208 J	39 J
Endrin	8.7 J	3 J	23 J	12 J	11 UJ
Endosulfan II	7.2 UJ	8.6 UJ	3.4 J	27 UJ	22 UJ
4,4'-DDD	82 J	20 J	74 J	138 J	18 J
Endosulfan sulfate	7.2 UJ	8.6 UJ	26 UJ	27 UJ	22 UJ
4,4'-DDT	19 J	7.7 J	26 UJ	27 UJ	18 UJ
Methoxychlor	37 UJ	44 UJ	130 UJ	140 UJ	114 UJ
Endrin ketone	7.2 UJ	3.1 J	26 UJ	27 UJ	22 UJ
Endrin aldehyde	3.3 J	8.6 UJ	26 UJ	27 UJ	22 UJ
alpha-Chlordane	9.6 J	2.9 J	42 J	30 J	5 J
gamma-Chlordane	3.7 UJ	4.4 UJ	13 UJ	14 UJ	11 UJ
Toxaphene	372 UJ	441 UJ	1330 UJ	1400 UJ	1140 UJ
Aroclor-1016	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ
Aroclor-1221	147 UJ	174 UJ	525 UJ	554 UJ	450 UJ
Aroclor-1232	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ
Aroclor-1242	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ
Aroclor-1248	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ
Aroclor-1254	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ
Aroclor-1260	72 UJ	86 UJ	259 UJ	273 UJ	221 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-AE-WB01
DATE SAMPLED	05/03/94
UNITS	ug/kg
VOLATILES	
Chloromethane	NA
Bromomethane	NA
Vinyl Chloride	NA
Chloroethane	NA
Methylene Chloride	NA
Acetone	NA
Carbon Disulfide	NA
1,1-Dichloroethene	NA
1,1-Dichloroethane	NA
1,2-Dichloroethene (total)	NA
Chloroform	NA
1,2-Dichloroethane	NA
2-Butanone	NA
1,1,1-Trichloroethane	NA
Carbon Tetrachloride	NA
Bromodichloromethane	NA
1,2-Dichloropropane	NA
cis-1,3-Dichloropropene	NA
Trichloroethene	NA
Dibromochloromethane	NA
1,1,2-Trichloroethane	NA
Benzene	NA
trans-1,3-Dichloropropene	NA
Bromoform	NA
4-Methyl-2-Pentanone	NA
2-Hexanone	NA
Tetrachloroethene	NA
1,1,2,2-Tetrachloroethane	NA
Toluene	NA
Chlorobenzene	NA
Ethylbenzene	NA
Styrene	NA
Xylene (total)	NA

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-AE-WB01
DATE SAMPLED	05/03/94
UNITS	ug/kg
SEMIVOLATILES	
Phenol	1300 UJ
bis(2-Chloroethyl)ether	1300 UJ
2-Chlorophenol	1300 UJ
1,3-Dichlorobenzene	1300 UJ
1,4-Dichlorobenzene	1300 UJ
1,2-Dichlorobenzene	1300 UJ
2-Methylphenol	1300 UJ
2,2'-oxybis(1-Chloropropane)	1300 UJ
4-Methylphenol	1300 UJ
N-Nitroso-di-n-propylamine	1300 UJ
Hexachloroethane	1300 UJ
Nitrobenzene	1300 UJ
Isophorone	1300 UJ
2-Nitrophenol	1300 UJ
2,4-Dimethylphenol	1300 UJ
bis(2-Chloroethoxy)methane	1300 UJ
2,4-Dichlorophenol	1300 UJ
1,2,4-Trichlorobenzene	1300 UJ
Naphthalene	1300 UJ
4-Chloroaniline	1300 UJ
Hexachlorobutadiene	1300 UJ
4-Chloro-3-methylphenol	1300 UJ
2-Methylnaphthalene	1300 UJ
Hexachlorocyclopentadiene	1300 UJ
2,4,6-Trichlorophenol	1300 UJ
2,4,5-Trichlorophenol	3100 UJ
2-Chloronaphthalene	1300 UJ
2-Nitroaniline	3100 UJ
Dimethylphthalate	1300 UJ
Acenaphthylene	1300 UJ
2,6-Dinitrotoluene	1300 UJ
3-Nitroaniline	3100 UJ
Acenaphthene	1300 UJ
2,4-Dinitrophenol	3100 UJ
Dibenzofuran	1300 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-AE-WB01
DATE SAMPLED	05/03/94
UNITS	ug/kg
SEMIVOLATILES cont.	
4-Nitrophenol	1300 UJ
2,4-Dinitrotoluene	1300 UJ
Diethylphthalate	1300 UJ
Fluorene	1300 UJ
4-Chlorophenyl-phenylether	1300 UJ
4-Nitroaniline	3100 UJ
4,6-Dinitro-2-methylphenol	3100 UJ
N-Nitrosodiphenylamine	1300 UJ
4-Bromophenyl-phenylether	1300 UJ
Hexachlorobenzene	1300 UJ
Pentachlorophenol	3100 UJ
Phenanthrene	1300 UJ
Anthracene	1300 UJ
Carbazole	1300 UJ
Di-n-butylphthalate	1300 UJ
Fluoranthene	1300 UJ
Pyrene	1300 UJ
Butylbenzylphthalate	1300 UJ
Benzo(a)anthracene	1300 UJ
3,3'-Dichlorobenzidine	1300 UJ
Chrysene	1300 UJ
bis(2-Ethylhexyl)phthalate	1300 UJ
Di-n-octylphthalate	1300 UJ
Benzo(b)fluoranthene	1300 UJ
Benzo(k)fluoranthene	1300 UJ
Benzo(a)pyrene	1300 UJ
Indeno(1,2,3-cd)pyrene	1300 UJ
Dibenz(a,h)anthracene	1300 UJ
Benzo(g,h,i)perylene	1300 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION	35-FS03-AE-WB01
DATE SAMPLED	05/03/94
UNITS	ug/kg
PESTICIDE/PCBs	
alpha-BHC	4.4 UJ
beta-BHC	4.4 UJ
delta-BHC	4.4 UJ
gamma-BHC (Lindane)	4.4 UJ
Heptachlor	4.4 UJ
Aldrin	4.4 UJ
Heptachlor epoxide	4.4 UJ
Endosulfan I	4.4 UJ
Dieldrin	14 J
4,4'-DDE	55 J
Endrin	4.4 UJ
Endosulfan II	8.6 UJ
4,4'-DDD	27 J
Endosulfan sulfate	8.6 UJ
4,4'-DDT	6.5 J
Methoxychlor	44 UJ
Endrin ketone	8.6 UJ
Endrin aldehyde	8.6 UJ
alpha-Chlordane	3.5 J
gamma-Chlordane	4.4 UJ
Toxaphene	440 UJ
Aroclor-1016	86 UJ
Aroclor-1221	174 UJ
Aroclor-1232	86 UJ
Aroclor-1242	86 UJ
Aroclor-1248	86 UJ
Aroclor-1254	86 UJ
Aroclor-1260	86 UJ

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	31 UJ	50 UJ	ND	ND		0/7
Bromomethane	31 UJ	50 UJ	ND	ND		0/7
Vinyl Chloride	31 UJ	50 UJ	ND	ND		0/7
Chloroethane	31 UJ	50 UJ	ND	ND		0/7
Methylene Chloride	35 UJ	50 UJ	17 J	42 J	36-FS02-WC-WB02	4/7
Acetone	35 UJ	35 UJ	39 J	24684 J	35-FSO3-MC-WBO1	6/7
Carbon Disulfide	NA	NA	348 J	1367 J	36-FS02-WC-WB02	7/7
1,1-Dichloroethene	31 UJ	50 UJ	ND	ND		0/7
1,1-Dichloroethane	31 UJ	50 UJ	37 J	37 J	35-FSO3-MC-WBO1	1/7
1,2-Dichloroethene (total)	31 UJ	50 UJ	ND	ND		0/7
Chloroform	31 UJ	50 UJ	ND	ND		0/7
1,2-Dichloroethane	31 UJ	50 UJ	ND	ND		0/7
2-Butanone	31 UJ	50 UJ	ND	ND		0/7
1,1,1-Trichloroethane	31 UJ	50 UJ	ND	ND		0/7
Carbon Tetrachloride	31 UJ	50 UJ	ND	ND		0/7
Bromodichloromethane	31 UJ	50 UJ	ND	ND		0/7
1,2-Dichloropropane	31 UJ	50 UJ	ND	ND		0/7
cis-1,3-Dichloropropene	31 UJ	50 UJ	ND	ND		0/7
Trichloroethene	31 UJ	50 UJ	ND	ND		0/7
Dibromochloromethane	31 UJ	50 UJ	ND	ND		0/7
1,1,2-Trichloroethane	31 UJ	50 UJ	ND	ND		0/7
Benzene	31 UJ	50 UJ	ND	ND		0/7
trans-1,3-Dichloropropene	31 UJ	50 UJ	ND	ND		0/7
Bromoform	31 UJ	50 UJ	ND	ND		0/7
4-Methyl-2-Pentanone	31 UJ	50 UJ	ND	ND		0/7
2-Hexanone	31 UJ	50 UJ	ND	ND		0/7
Tetrachloroethene	31 UJ	50 UJ	ND	ND		0/7
1,1,2,2-Tetrachloroethane	31 UJ	50 UJ	ND	ND		0/7
Toluene	31 UJ	50 UJ	33 J	33 J	36-FS03-WC-WB01	1/7
Chlorobenzene	31 UJ	50 UJ	ND	ND		0/7
Ethylbenzene	31 UJ	50 UJ	ND	ND		0/7
Styrene	31 UJ	50 UJ	ND	ND		0/7
Xylene (total)	31 UJ	56 UJ	58 J	58 J	36-FS03-WC-WB01	1/7

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
Phenol	1000 UJ	6200 UJ	ND	ND		0/11
bis(2-Chloroethyl)ether	1000 UJ	6200 UJ	ND	ND		0/11
2-Chlorophenol	1000 UJ	6200 UJ	ND	ND		0/11
1,3-Dichlorobenzene	1000 UJ	6200 UJ	ND	ND		0/11
1,4-Dichlorobenzene	1000 UJ	6200 UJ	ND	ND		0/11
1,2-Dichlorobenzene	1000 UJ	6200 UJ	ND	ND		0/11
2-Methylphenol	1000 UJ	6200 UJ	ND	ND		0/11
2,2'-oxybis(1-Chloropropane)	1000 UJ	6200 UJ	ND	ND		0/11
4-Methylphenol	1000 UJ	6200 UJ	ND	ND		0/11
N-Nitroso-di-n-propylamine	1000 UJ	6200 UJ	ND	ND		0/11
Hexachloroethane	1000 UJ	6200 UJ	ND	ND		0/11
Nitrobenzene	1000 UJ	6200 UJ	ND	ND		0/11
Isophorone	1000 UJ	6200 UJ	ND	ND		0/11
2-Nitrophenol	1000 UJ	6200 UJ	ND	ND		0/11
2,4-Dimethylphenol	1000 UJ	6200 UJ	ND	ND		0/11
bis(2-Chloroethoxy)methane	1000 UJ	6200 UJ	ND	ND		0/11
2,4-Dichlorophenol	1000 UJ	6200 UJ	ND	ND		0/11
1,2,4-Trichlorobenzene	1000 UJ	6200 UJ	ND	ND		0/11
Naphthalene	1000 UJ	6200 UJ	ND	ND		0/11
4-Chloroaniline	1000 UJ	6200 UJ	ND	ND		0/11
Hexachlorobutadiene	1000 UJ	6200 UJ	ND	ND		0/11
4-Chloro-3-methylphenol	1000 UJ	6200 UJ	ND	ND		0/11
2-Methylnaphthalene	1000 UJ	6200 UJ	ND	ND		0/11
Hexachlorocyclopentadiene	1000 UJ	6200 UJ	ND	ND		0/11
2,4,6-Trichlorophenol	1000 UJ	6200 UJ	ND	ND		0/11
2,4,5-Trichlorophenol	2400 UJ	15000 UJ	ND	ND		0/11
2-Chloronaphthalene	1000 UJ	6200 UJ	ND	ND		0/11
2-Nitroaniline	2400 UJ	15000 UJ	ND	ND		0/11
Dimethylphthalate	1000 UJ	6200 UJ	ND	ND		0/11
Acenaphthylene	1000 UJ	6200 UJ	ND	ND		0/11
2,6-Dinitrotoluene	1000 UJ	6200 UJ	ND	ND		0/11
3-Nitroaniline	2400 UJ	15000 UJ	ND	ND		0/11
Acenaphthene	1000 UJ	6200 UJ	ND	ND		0/11
2,4-Dinitrophenol	2400 UJ	15000 UJ	ND	ND		0/11
Dibenzofuran	1000 UJ	6200 UJ	ND	ND		0/11

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
4-Nitrophenol	1000 UJ	6200 UJ	ND	ND		0/11
2,4-Dinitrotoluene	1000 UJ	6200 UJ	ND	ND		0/11
Diethylphthalate	1000 UJ	6200 UJ	ND	ND		0/11
Fluorene	1000 UJ	6200 UJ	ND	ND		0/11
4-Chlorophenyl-phenylether	1000 UJ	6200 UJ	ND	ND		0/11
4-Nitroaniline	2400 UJ	15000 UJ	ND	ND		0/11
4,6-Dinitro-2-methylphenol	2400 UJ	15000 UJ	ND	ND		0/11
N-Nitrosodiphenylamine	1000 UJ	6200 UJ	ND	ND		0/11
4-Bromophenyl-phenylether	1000 UJ	6200 UJ	ND	ND		0/11
Hexachlorobenzene	1000 UJ	6200 UJ	ND	ND		0/11
Pentachlorophenol	2400 UJ	15000 UJ	ND	ND		0/11
Phenanthrene	1000 UJ	6200 UJ	ND	ND		0/11
Anthracene	1000 UJ	6200 UJ	ND	ND		0/11
Carbazole	1000 UJ	6200 UJ	ND	ND		0/11
Di-n-butylphthalate	1000 UJ	6200 UJ	ND	ND		0/11
Fluoranthene	1000 UJ	6200 UJ	ND	ND		0/11
Pyrene	1000 UJ	6200 UJ	ND	ND		0/11
Butylbenzylphthalate	1000 UJ	6200 UJ	ND	ND		0/11
Benzo(a)anthracene	1000 UJ	6200 UJ	ND	ND		0/11
3,3'-Dichlorobenzidine	1000 UJ	6200 UJ	ND	ND		0/11
Chrysene	1000 UJ	6200 UJ	ND	ND		0/11
bis(2-Ethylhexyl)phthalate	1000 UJ	6200 UJ	ND	ND		0/11
Di-n-octylphthalate	1000 UJ	6200 UJ	ND	ND		0/11
Benzo(b)fluoranthene	1000 UJ	6200 UJ	ND	ND		0/11
Benzo(k)fluoranthene	1000 UJ	6200 UJ	ND	ND		0/11
Benzo(a)pyrene	1000 UJ	6200 UJ	ND	ND		0/11
Indeno(1,2,3-cd)pyrene	1000 UJ	6200 UJ	ND	ND		0/11
Dibenz(a,h)anthracene	1000 UJ	6200 UJ	ND	ND		0/11
Benzo(g,h,i)perylene	1000 UJ	6200 UJ	ND	ND		0/11

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBs						
alpha-BHC	3.7 UJ	16 UJ	ND	ND		0/11
beta-BHC	3.7 UJ	16 UJ	4.8 J	8.3 J	36-FS02-WC-WB02	3/11
delta-BHC	3.7 UJ	16 UJ	ND	ND		0/11
gamma-BHC (Lindane)	3.7 UJ	16 UJ	8 J	8 J	36-FS01-SM-WB01	1/11
Heptachlor	3.7 UJ	16 UJ	7.8 J	7.8 J	36-FS01-SM-WB01	1/11
Aldrin	3.7 UJ	16 UJ	2.6 J	2.6 J	36-FS03-WC-WB01	1/11
Heptachlor epoxide	3.7 UJ	16 UJ	ND	ND		0/11
Endosulfan I	3.7 UJ	16 UJ	ND	ND		0/11
Dieldrin	32 UJ	32 UJ	3.2 J	59 J	35-FS2-AE-WB01	10/11
4,4'-DDE	NA	NA	39 J	434 J	35-FS2-AE-WB01	11/11
Endrin	4.4 UJ	13 UJ	3 J	27 J	36-FS01-SM-WB01	7/11
Endosulfan II	7.2 UJ	32 UJ	3.4 J	3.4 J	36-FS02-WC-WB01	2/11
4,4'-DDD	NA	NA	18 J	319 J	35-FS2-AE-WB01	11/11
Endosulfan sulfate	7.2 UJ	32 UJ	ND	ND		0/11
4,4'-DDT	11 UJ	27 UJ	5.8 J	58 J	35-FS2-AE-WB01	7/11
Methoxychlor	13 UJ	165 UJ	ND	ND		0/11
Endrin ketone	7.2 UJ	32 UJ	3.1 J	14 J	35-FS2-AE-WB01	2/11
Endrin aldehyde	7.2 UJ	27 UJ	3.3 J	6.5 J	35-FS03-LG-WB01	2/11
alpha-Chlordane	3.7 UJ	3.7 UJ	2.9 J	60 J	36-FS01-SM-WB01	10/11
gamma-Chlordane	3.7 UJ	16 UJ	12 J	22 J	36-FS01-SM-WB01	2/11
Toxaphene	371 UJ	1650 UJ	ND	ND		0/11
Aroclor-1016	72 UJ	320 UJ	ND	ND		0/11
Aroclor-1221	146 UJ	650 UJ	ND	ND		0/11
Aroclor-1232	72 UJ	320 UJ	ND	ND		0/11
Aroclor-1242	72 UJ	320 UJ	ND	ND		0/11
Aroclor-1248	72 UJ	320 UJ	ND	ND		0/11
Aroclor-1254	72 UJ	320 UJ	ND	ND		0/11
Aroclor-1260	72 UJ	320 UJ	ND	ND		0/11

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	35-FS03-LG-WB01	35-FS3-MC-WB01	36-FS01-SM-WB01	35-FS02-AE-WB01	35-FS02-PS-WB01	35-FSO3-PS-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TAL METALS						
Aluminum	18.5 U	35.5	45.8	23.7	24.4	11.2 U
Antimony	17.9 U	17.5 U	10.4 U	13.7 U	12 U	10.5 U
Arsenic	0.45 UJ	2 UJ	0.33 UJ	2 UJ	1.9 UJ	1.7 UJ
Barium	0.39 U	1.1	5	0.89	1.6	1
Beryllium	0.39 U	0.38 U	0.23 U	0.3 U	0.26 U	0.23 U
Cadmium	0.16 U	0.12 U	0.08 U	0.88	0.11 U	0.19 U
Calcium	1910 J	20400 J	11000 J	21600 J	35200 J	50800 J
Chromium	2.7 U	2.7 U	2.7	2.1 U	2.3	2.6
Cobalt	4.3 U	4.2 U	2.5 U	3.3 U	2.9 U	2.5 U
Copper	3.9	4.8	10.9	6.6	3.3	3.2
Iron	392	160	145	113	99.5	72
Lead	0.41 U	0.49 U	0.73 UJ	2.5	0.63 UJ	0.47 UJ
Magnesium	1130	1250	832	1100	1270	1540
Manganese	1.6	7.3	3.6	2.4	4.3	3.4
Mercury	0.2 R	0.68 J	0.15 R	0.19 R	0.18 R	0.16 R
Nickel	4.3 U	4.2 U	2.5 U	3.3 U	2.9 U	2.5 U
Potassium	11000	11600	8970	10100	9630	8970
Selenium	0.52 UJ	0.48 UJ	0.38 UJ	2.3 UJ	2.2 UJ	0.43 J
Silver	1.2 R	1.1 U	2.3 R	0.89 U	0.78 U	0.87 R
Sodium	3730	4260	2710	17200	3150	3600
Thallium	0.22 U	0.2 U	0.16 U	0.2 U	0.19 U	0.17 U
Vanadium	1.9 U	1.9 U	1.1 U	1.5 U	1.3 U	1.1 U
Zinc	42.3	58.3	54	83.8	86.7	77.9

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	35-FSO3-PS-WBO2	36-FS02-WC-WB01	36-FS02-WC-WB02	36-FS03-WC-WB01
DATE SAMPLED	05/03/94	05/03/94	05/03/94	05/03/94
UNITS	MG/KG	MG/KG	MG/KG	MG/KG
TAL METALS				
Aluminum	10.9 U	68.6 U	33.7 U	30.8 U
Antimony	11.4 U	18 U	19 U	15.4 U
Arsenic	2 UJ	1.8 U	1.7 U	1.2 U
Barium	1	1.3	1.2	0.94
Beryllium	0.25 U	0.39 U	0.41 U	0.34 U
Cadmium	0.25	0.11 U	0.15 U	0.13 U
Calcium	49700 J	8070	23100	9100
Chromium	2.3	2.7 U	3.6	2.5
Cobalt	2.7 U	4.3 U	4.5 U	3.7 U
Copper	3.8	4.2 U	4.7 U	3.2 U
Iron	60.9	106	96.5	80.3
Lead	0.8 U	0.43 R	0.41 R	0.34 U
Magnesium	1370	1100	1270	983
Manganese	4.5	9.6	10.3	5.8
Mercury	0.17 R	0.2 UJ	0.21 UJ	0.17 UJ
Nickel	2.7 U	4.3 U	4.5 U	3.7 U
Potassium	9310	10400	12100	9480
Selenium	0.46 UJ	0.63 J	1 J	0.91 J
Silver	0.74 UJ	2.1	1.2	1
Sodium	3460	3220 U	4050 U	2790 U
Thallium	0.2 U	0.39 U	0.33 U	0.2 U
Vanadium	1.2 U	2 U	2.1 U	1.7 U
Zinc	87.1	62.1	56.5	51.4

SITE 36, CAMP GEIGER AREA DUMP
WHOLE BODY FISH - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TAL METALS						
Aluminum	10.9 U	68.6 U	23.7	45.8	36-FS01-SM-WB01	4/10
Antimony	10.4 U	19 U	ND	ND		0/10
Arsenic	0.33 UJ	2 UJ	ND	ND		0/10
Barium	0.39 U	0.39 U	0.89	5	36-FS01-SM-WB01	9/10
Beryllium	0.23 U	0.41 U	ND	ND		0/10
Cadmium	0.08 U	0.19 U	0.25	0.88	35-FS02-AE-WB01	2/10
Calcium	NA	NA	1910 J	50800 J	35-FSO3-PS-WB01	10/10
Chromium	2.1 U	2.7 U	2.3	3.6	36-FS02-WC-WB02	6/10
Cobalt	2.5 U	4.5 U	ND	ND		0/10
Copper	3.2 U	4.7 U	3.2	10.9	36-FS01-SM-WB01	7/10
Iron	NA	NA	60.9	392	35-FS03-LG-WB01	10/10
Lead	0.34 U	0.8 U	2.5	2.5	35-FS02-AE-WB01	1/8
Magnesium	NA	NA	832	1540	35-FSO3-PS-WB01	10/10
Manganese	NA	NA	1.6	10.3	36-FS02-WC-WB02	10/10
Mercury	0.17 UJ	0.21 UJ	0.68 J	0.68 J	35-FS3-MC-WB01	1/4
Nickel	2.5 U	4.5 U	ND	ND		0/10
Potassium	NA	NA	8970	12100	36-FS02-WC-WB02	10/10
Selenium	0.38 UJ	2.3 UJ	0.43 J	1 J	36-FS02-WC-WB02	4/10
Silver	0.74 UJ	1.1 U	1	2.1	36-FS02-WC-WB01	3/7
Sodium	2790 U	4050 U	2710	17200	35-FS02-AE-WB01	7/10
Thallium	0.16 U	0.39 U	ND	ND		0/10
Vanadium	1.1 U	2.1 U	ND	ND		0/10
Zinc	NA	NA	42.3	87.1	35-FSO3-PS-WBO2	10/10

CRAB

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS02-BC01	36-FS03-BC01	36-FS03-BC02
DATE SAMPLED	05/26/94	05/26/94	05/26/94
UNITS	ug/kg	ug/kg	ug/kg
VOLATILES			
Chloromethane	65 UJ	62 UJ	65 UJ
Bromomethane	65 UJ	62 UJ	65 UJ
Vinyl Chloride	65 UJ	62 UJ	65 UJ
Chloroethane	65 UJ	62 UJ	65 UJ
Methylene Chloride	6549	7192	16317
Acetone	54320 J	95199	372323
Carbon Disulfide	65 UJ	62 UJ	65 UJ
1,1-Dichloroethene	65 UJ	62 UJ	65 UJ
1,1-Dichloroethane	65 UJ	62 UJ	65 UJ
1,2-Dichloroethene (total)	65 UJ	62 UJ	65 UJ
Chloroform	65 UJ	62 UJ	65 UJ
1,2-Dichloroethane	65 UJ	62 UJ	65 UJ
2-Butanone	65 UJ	62 UJ	65 UJ
1,1,1-Trichloroethane	65 UJ	62 UJ	65 UJ
Carbon Tetrachloride	65 UJ	62 UJ	65 UJ
Bromodichloromethane	65 UJ	62 UJ	65 UJ
1,2-Dichloropropane	65 UJ	62 UJ	65 UJ
cis-1,3-Dichloropropene	65 UJ	62 UJ	65 UJ
Trichloroethene	65 UJ	62 UJ	65 UJ
Dibromochloromethane	65 UJ	62 UJ	65 UJ
1,1,2-Trichloroethane	65 UJ	62 UJ	65 UJ
Benzene	65 UJ	62 UJ	65 UJ
trans-1,3-Dichloropropene	65 UJ	62 UJ	65 UJ
Bromoform	65 UJ	62 UJ	65 UJ
4-Methyl-2-Pentanone	65 UJ	62 UJ	65 UJ
2-Hexanone	65 UJ	62 UJ	65 UJ
Tetrachloroethene	65 UJ	62 UJ	65 UJ
1,1,2,2-Tetrachloroethane	65 UJ	62 UJ	65 UJ
Toluene	65 UJ	62 UJ	65 UJ
Chlorobenzene	65 UJ	62 UJ	65 UJ
Ethylbenzene	65 UJ	62 UJ	65 UJ
Styrene	65 UJ	62 UJ	65 UJ
Xylene (total)	65 UJ	62 UJ	65 UJ

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS02-BC01	36-FS03-BC01	36-FS03-BC02
DATE SAMPLED	05/26/94	05/26/94	05/26/94
UNITS	ug/kg	ug/kg	ug/kg
SEMIVOLATILES			
Phenol	1719 UJ	1650 UJ	1719 UJ
bis(2-Chloroethyl)ether	1719 UJ	1650 UJ	1719 UJ
2-Chlorophenol	1719 UJ	1650 UJ	1719 UJ
1,3-Dichlorobenzene	1719 UJ	1650 UJ	1719 UJ
1,4-Dichlorobenzene	1719 UJ	1650 UJ	1719 UJ
1,2-Dichlorobenzene	1719 UJ	1650 UJ	1719 UJ
2-Methylphenol	1719 UJ	1650 UJ	1719 UJ
2,2'-oxybis(1-Chloropropane)	1719 UJ	1650 UJ	1719 UJ
4-Methylphenol	1719 UJ	1650 UJ	1719 UJ
N-Nitroso-di-n-propylamine	1719 UJ	1650 UJ	1719 UJ
Hexachloroethane	1719 UJ	1650 UJ	1719 UJ
Nitrobenzene	1719 UJ	1650 UJ	1719 UJ
Isophorone	1719 UJ	1650 UJ	1719 UJ
2-Nitrophenol	1719 UJ	1650 UJ	1719 UJ
2,4-Dimethylphenol	1719 UJ	1650 UJ	1719 UJ
bis(2-Chloroethoxy)methane	1719 UJ	1650 UJ	1719 UJ
2,4-Dichlorophenol	1719 UJ	1650 UJ	1719 UJ
1,2,4-Trichlorobenzene	1719 UJ	1650 UJ	1719 UJ
Naphthalene	1719 UJ	1650 UJ	1719 UJ
4-Chloroaniline	1719 UJ	1650 UJ	1719 UJ
Hexachlorobutadiene	1719 UJ	1650 UJ	1719 UJ
4-Chloro-3-methylphenol	1719 UJ	1650 UJ	1719 UJ
2-Methylnaphthalene	1719 UJ	1650 UJ	1719 UJ
Hexachlorocyclopentadiene	1719 UJ	1650 UJ	1719 UJ
2,4,6-Trichlorophenol	1719 UJ	1650 UJ	1719 UJ
2,4,5-Trichlorophenol	4167 UJ	4000 UJ	4167 UJ
2-Chloronaphthalene	1719 UJ	1650 UJ	1719 UJ
2-Nitroaniline	4167 UJ	4000 UJ	4167 UJ
Dimethylphthalate	1719 UJ	1650 UJ	1719 UJ
Acenaphthylene	1719 UJ	1650 UJ	1719 UJ
2,6-Dinitrotoluene	1719 UJ	1650 UJ	1719 UJ
3-Nitroaniline	4167 UJ	4000 UJ	4167 UJ
Acenaphthene	1719 UJ	1650 UJ	1719 UJ
2,4-Dinitrophenol	4167 UJ	4000 UJ	4167 UJ
Dibenzofuran	1719 UJ	1650 UJ	1719 UJ

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS02-BC01	36-FS03-BC01	36-FS03-BC02
DATE SAMPLED	05/26/94	05/26/94	05/26/94
UNITS	ug/kg	ug/kg	ug/kg
SEMIVOLATILES cont.			
4-Nitrophenol	1719 UJ	1650 UJ	1719 UJ
2,4-Dinitrotoluene	1719 UJ	1650 UJ	1719 UJ
Diethylphthalate	1719 UJ	1650 UJ	1719 UJ
Fluorene	1719 UJ	1650 UJ	1719 UJ
4-Chlorophenyl-phenylether	1719 UJ	1650 UJ	1719 UJ
4-Nitroaniline	4167 UJ	4000 UJ	4167 UJ
4,6-Dinitro-2-methylphenol	4167 UJ	4000 UJ	4167 UJ
N-Nitrosodiphenylamine	1719 UJ	1650 UJ	1719 UJ
4-Bromophenyl-phenylether	1719 UJ	1650 UJ	1719 UJ
Hexachlorobenzene	1719 UJ	1650 UJ	1719 UJ
Pentachlorophenol	4167 UJ	4000 UJ	4167 UJ
Phenanthrene	1719 UJ	1650 UJ	1719 UJ
Anthracene	1719 UJ	1650 UJ	1719 UJ
Carbazole	1719 UJ	1650 UJ	1719 UJ
Di-n-butylphthalate	1719 UJ	1650 UJ	1719 UJ
Fluoranthene	1719 UJ	1650 UJ	1719 UJ
Pyrene	1719 UJ	1650 UJ	1719 UJ
Butylbenzylphthalate	1719 UJ	1650 UJ	1719 UJ
Benzo(a)anthracene	1719 UJ	1650 UJ	1719 UJ
3,3'-Dichlorobenzidine	1719 UJ	1650 UJ	1719 UJ
Chrysene	1719 UJ	1650 UJ	1719 UJ
bis(2-Ethylhexyl)phthalate	1719 UJ	1650 UJ	1719 UJ
Di-n-octylphthalate	1719 UJ	1650 UJ	1719 UJ
Benzo(b)fluoranthene	1719 UJ	1650 UJ	1719 UJ
Benzo(k)fluoranthene	1719 UJ	1650 UJ	1719 UJ
Benzo(a)pyrene	1719 UJ	1650 UJ	1719 UJ
Indeno(1,2,3-cd)pyrene	1719 UJ	1650 UJ	1719 UJ
Dibenz(a,h)anthracene	1719 UJ	1650 UJ	1719 UJ
Benzo(g,h,i)perylene	1719 UJ	1650 UJ	1719 UJ

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	36-FS02-BC01	36-FS03-BC01	36-FS03-BC02
DATE SAMPLED	05/26/94	05/26/94	05/26/94
UNITS	ug/kg	ug/kg	ug/kg
PESTICIDE/PCBs			
alpha-BHC	8.8 UJ	8.5 UJ	8.8 UJ
beta-BHC	8.9 J	8.4 J	6.8 J
delta-BHC	8.8 UJ	8.5 UJ	8.8 UJ
gamma-BHC (Lindane)	3.6 J	2.1 J	8.8 UJ
Heptachlor	2.6 J	8.5 UJ	8.8 UJ
Aldrin	8.8 UJ	2.3 J	8.8 UJ
Heptachlor epoxide	8.8 UJ	8.5 UJ	8.8 UJ
Endosulfan I	8.8 UJ	8.5 UJ	8.8 UJ
Dieldrin	9.4 J	6 J	8.8 J
4,4'-DDE	101 J	42 J	48 J
Endrin	8.8 UJ	8.5 UJ	8.8 UJ
Endosulfan II	17 UJ	16 UJ	17 UJ
4,4'-DDD	49 J	19 J	33 J
Endosulfan sulfate	17 UJ	16 UJ	17 UJ
4,4'-DDT	2.5 J	16 UJ	17 U
Methoxychlor	88 UJ	85 UJ	88 U
Endrin ketone	17 UJ	16 UJ	17 U
Endrin aldehyde	17 UJ	16 UJ	17 U
alpha-Chlordane	3.7 J	3.6 J	8.8 U
gamma-Chlordane	8.8 UJ	8.5 UJ	8.8 U
Toxaphene	885 UJ	846 UJ	885 U
Aroclor-1016	172 UJ	164 UJ	172 U
Aroclor-1221	349 UJ	333 UJ	349 U
Aroclor-1232	172 UJ	164 UJ	172 U
Aroclor-1242	172 UJ	164 UJ	172 U
Aroclor-1248	172 UJ	164 UJ	172 U
Aroclor-1254	172 UJ	164 UJ	172 U
Aroclor-1260	172 UJ	164 UJ	172 U

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
Chloromethane	62 UJ	65 UJ	ND	ND		0/3
Bromomethane	62 UJ	65 UJ	ND	ND		0/3
Vinyl Chloride	62 UJ	65 UJ	ND	ND		0/3
Chloroethane	62 UJ	65 UJ	ND	ND		0/3
Methylene Chloride	NA	NA	6549	16317	36-FS03-BC02	3/3
Acetone	NA	NA	54320 J	372323	36-FS03-BC02	3/3
Carbon Disulfide	62 UJ	65 UJ	ND	ND		0/3
1,1-Dichloroethene	62 UJ	65 UJ	ND	ND		0/3
1,1-Dichloroethane	62 UJ	65 UJ	ND	ND		0/3
1,2-Dichloroethene (total)	62 UJ	65 UJ	ND	ND		0/3
Chloroform	62 UJ	65 UJ	ND	ND		0/3
1,2-Dichloroethane	62 UJ	65 UJ	ND	ND		0/3
2-Butanone	62 UJ	65 UJ	ND	ND		0/3
1,1,1-Trichloroethane	62 UJ	65 UJ	ND	ND		0/3
Carbon Tetrachloride	62 UJ	65 UJ	ND	ND		0/3
Bromodichloromethane	62 UJ	65 UJ	ND	ND		0/3
1,2-Dichloropropane	62 UJ	65 UJ	ND	ND		0/3
cis-1,3-Dichloropropene	62 UJ	65 UJ	ND	ND		0/3
Trichloroethene	62 UJ	65 UJ	ND	ND		0/3
Dibromochloromethane	62 UJ	65 UJ	ND	ND		0/3
1,1,2-Trichloroethane	62 UJ	65 UJ	ND	ND		0/3
Benzene	62 UJ	65 UJ	ND	ND		0/3
trans-1,3-Dichloropropene	62 UJ	65 UJ	ND	ND		0/3
Bromoform	62 UJ	65 UJ	ND	ND		0/3
4-Methyl-2-Pentanone	62 UJ	65 UJ	ND	ND		0/3
2-Hexanone	62 UJ	65 UJ	ND	ND		0/3
Tetrachloroethene	62 UJ	65 UJ	ND	ND		0/3
1,1,2,2-Tetrachloroethane	62 UJ	65 UJ	ND	ND		0/3
Toluene	62 UJ	65 UJ	ND	ND		0/3
Chlorobenzene	62 UJ	65 UJ	ND	ND		0/3
Ethylbenzene	62 UJ	65 UJ	ND	ND		0/3
Styrene	62 UJ	65 UJ	ND	ND		0/3
Xylene (total)	62 UJ	65 UJ	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
Phenol	1650 UJ	1719 UJ	ND	ND		0/3
bis(2-Chloroethyl)ether	1650 UJ	1719 UJ	ND	ND		0/3
2-Chlorophenol	1650 UJ	1719 UJ	ND	ND		0/3
1,3-Dichlorobenzene	1650 UJ	1719 UJ	ND	ND		0/3
1,4-Dichlorobenzene	1650 UJ	1719 UJ	ND	ND		0/3
1,2-Dichlorobenzene	1650 UJ	1719 UJ	ND	ND		0/3
2-Methylphenol	1650 UJ	1719 UJ	ND	ND		0/3
2,2'-oxybis(1-Chloropropane)	1650 UJ	1719 UJ	ND	ND		0/3
4-Methylphenol	1650 UJ	1719 UJ	ND	ND		0/3
N-Nitroso-di-n-propylamine	1650 UJ	1719 UJ	ND	ND		0/3
Hexachloroethane	1650 UJ	1719 UJ	ND	ND		0/3
Nitrobenzene	1650 UJ	1719 UJ	ND	ND		0/3
Isophorone	1650 UJ	1719 UJ	ND	ND		0/3
2-Nitrophenol	1650 UJ	1719 UJ	ND	ND		0/3
2,4-Dimethylphenol	1650 UJ	1719 UJ	ND	ND		0/3
bis(2-Chloroethoxy)methane	1650 UJ	1719 UJ	ND	ND		0/3
2,4-Dichlorophenol	1650 UJ	1719 UJ	ND	ND		0/3
1,2,4-Trichlorobenzene	1650 UJ	1719 UJ	ND	ND		0/3
Naphthalene	1650 UJ	1719 UJ	ND	ND		0/3
4-Chloroaniline	1650 UJ	1719 UJ	ND	ND		0/3
Hexachlorobutadiene	1650 UJ	1719 UJ	ND	ND		0/3
4-Chloro-3-methylphenol	1650 UJ	1719 UJ	ND	ND		0/3
2-Methylnaphthalene	1650 UJ	1719 UJ	ND	ND		0/3
Hexachlorocyclopentadiene	1650 UJ	1719 UJ	ND	ND		0/3
2,4,6-Trichlorophenol	1650 UJ	1719 UJ	ND	ND		0/3
2,4,5-Trichlorophenol	4000 UJ	4167 UJ	ND	ND		0/3
2-Chloronaphthalene	1650 UJ	1719 UJ	ND	ND		0/3
2-Nitroaniline	4000 UJ	4167 UJ	ND	ND		0/3
Dimethylphthalate	1650 UJ	1719 UJ	ND	ND		0/3
Acenaphthylene	1650 UJ	1719 UJ	ND	ND		0/3
2,6-Dinitrotoluene	1650 UJ	1719 UJ	ND	ND		0/3
3-Nitroaniline	4000 UJ	4167 UJ	ND	ND		0/3
Acenaphthene	1650 UJ	1719 UJ	ND	ND		0/3
2,4-Dinitrophenol	4000 UJ	4167 UJ	ND	ND		0/3
Dibenzofuran	1650 UJ	1719 UJ	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont.						
4-Nitrophenol	1650 UJ	1719 UJ	ND	ND		0/3
2,4-Dinitrotoluene	1650 UJ	1719 UJ	ND	ND		0/3
Diethylphthalate	1650 UJ	1719 UJ	ND	ND		0/3
Fluorene	1650 UJ	1719 UJ	ND	ND		0/3
4-Chlorophenyl-phenylether	1650 UJ	1719 UJ	ND	ND		0/3
4-Nitroaniline	4000 UJ	4167 UJ	ND	ND		0/3
4,6-Dinitro-2-methylphenol	4000 UJ	4167 UJ	ND	ND		0/3
N-Nitrosodiphenylamine	1650 UJ	1719 UJ	ND	ND		0/3
4-Bromophenyl-phenylether	1650 UJ	1719 UJ	ND	ND		0/3
Hexachlorobenzene	1650 UJ	1719 UJ	ND	ND		0/3
Pentachlorophenol	4000 UJ	4167 UJ	ND	ND		0/3
Phenanthrene	1650 UJ	1719 UJ	ND	ND		0/3
Anthracene	1650 UJ	1719 UJ	ND	ND		0/3
Carbazole	1650 UJ	1719 UJ	ND	ND		0/3
Di-n-butylphthalate	1650 UJ	1719 UJ	ND	ND		0/3
Fluoranthene	1650 UJ	1719 UJ	ND	ND		0/3
Pyrene	1650 UJ	1719 UJ	ND	ND		0/3
Butylbenzylphthalate	1650 UJ	1719 UJ	ND	ND		0/3
Benzo(a)anthracene	1650 UJ	1719 UJ	ND	ND		0/3
3,3'-Dichlorobenzidine	1650 UJ	1719 UJ	ND	ND		0/3
Chrysene	1650 UJ	1719 UJ	ND	ND		0/3
bis(2-Ethylhexyl)phthalate	1650 UJ	1719 UJ	ND	ND		0/3
Di-n-octylphthalate	1650 UJ	1719 UJ	ND	ND		0/3
Benzo(b)fluoranthene	1650 UJ	1719 UJ	ND	ND		0/3
Benzo(k)fluoranthene	1650 UJ	1719 UJ	ND	ND		0/3
Benzo(a)pyrene	1650 UJ	1719 UJ	ND	ND		0/3
Indeno(1,2,3-cd)pyrene	1650 UJ	1719 UJ	ND	ND		0/3
Dibenz(a,h)anthracene	1650 UJ	1719 UJ	ND	ND		0/3
Benzo(g,h,i)perylene	1650 UJ	1719 UJ	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBs						
alpha-BHC	8.5 UJ	8.8 UJ	ND	ND		0/3
beta-BHC	NA	NA	6.8 J	8.9 J	36-FS02-BC01	3/3
delta-BHC	8.5 UJ	8.8 UJ	ND	ND		0/3
gamma-BHC (Lindane)	8.8 UJ	8.8 UJ	2.1 J	3.6 J	36-FS02-BC01	2/3
Heptachlor	8.5 UJ	8.8 UJ	2.6 J	2.6 J	36-FS02-BC01	1/3
Aldrin	8.8 UJ	8.8 UJ	2.3 J	2.3 J	36-FS03-BC01	1/3
Heptachlor epoxide	8.5 UJ	8.8 UJ	ND	ND		0/3
Endosulfan I	8.5 UJ	8.8 UJ	ND	ND		0/3
Dieldrin	NA	NA	6 J	9.4 J	36-FS02-BC01	3/3
4,4'-DDE	NA	NA	42 J	101 J	36-FS02-BC01	3/3
Endrin	8.5 UJ	8.8 UJ	ND	ND		0/3
Endosulfan II	16 UJ	17 UJ	ND	ND		0/3
4,4'-DDD	NA	NA	19 J	49 J	36-FS02-BC01	3/3
Endosulfan sulfate	16 UJ	17 UJ	ND	ND		0/3
4,4'-DDT	16 UJ	17 U	2.5 J	2.5 J	36-FS02-BC01	1/3
Methoxychlor	85 UJ	88 UJ	ND	ND		0/3
Endrin ketone	16 UJ	17 UJ	ND	ND		0/3
Endrin aldehyde	16 UJ	17 UJ	ND	ND		0/3
alpha-Chlordane	8.8 U	8.8 U	3.6 J	3.7 J	36-FS02-BC01	2/3
gamma-Chlordane	8.5 UJ	8.8 UJ	ND	ND		0/3
Toxaphene	846 UJ	885 UJ	ND	ND		0/3
Aroclor-1016	164 UJ	172 UJ	ND	ND		0/3
Aroclor-1221	333 UJ	349 UJ	ND	ND		0/3
Aroclor-1232	164 UJ	172 UJ	ND	ND		0/3
Aroclor-1242	164 UJ	172 UJ	ND	ND		0/3
Aroclor-1248	164 UJ	172 UJ	ND	ND		0/3
Aroclor-1254	164 UJ	172 UJ	ND	ND		0/3
Aroclor-1260	164 UJ	172 UJ	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION	36-FS02-BC01	36-FS03-BC01	36-FS03-BC02
DATE SAMPLED	05/26/94	05/26/94	05/26/94
UNITS	MG/KG	MG/KG	MG/KG
TOTAL METALS			
Aluminum	19.3	11.7 U	10 U
Antimony	22.4 U	22.9 U	23 U
Arsenic	0.94 UJ	1.4 J	1 UJ
Barium	0.73 U	0.71 U	0.5 U
Beryllium	0.49 U	0.5 U	0.5 U
Cadmium	0.8	0.16	0.07 U
Calcium	1970 J	2170 J	1740 J
Chromium	3.4 U	3.5 U	3.5 U
Cobalt	6.9	5.5 U	5.5 U
Copper	26.3	27.5	22.3
Iron	39.9	40.2	20.4
Lead	0.61 J	0.58 J	0.51 J
Magnesium	1550 J	1500 J	1500 J
Manganese	1.4 U	1.6 U	1.7
Mercury	1.3 R	0.9 R	0.9 R
Nickel	5.4 U	5.5 U	5.5 U
Potassium	13500	13000	14400
Selenium	0.8 J	0.72 J	0.71 UJ
Silver	1.5 U	1.5 U	1.5 U
Sodium	15300	14200	14900
Thallium	0.47 UJ	0.48 UJ	0.51 UJ
Vanadium	2.4 U	2.5 U	2.5 U
Zinc	104	130	93.8

SITE 36, CAMP GEIGER AREA DUMP
CRAB - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE LOCATION DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
Aluminum	10 U	11.7 U	19.3	19.3	36-FS02-BC01	1/3
Antimony	22.4 U	23 U	ND	ND		0/3
Arsenic	0.94 UJ	1 UJ	1.4 J	1.4 J	36-FS03-BC01	1/3
Barium	0.5 U	0.73 U	ND	ND		0/3
Beryllium	0.49 U	0.5 U	ND	ND		0/3
Cadmium	0.07 U	0.07 U	0.16	0.8	36-FS02-BC01	2/3
Calcium	NA	NA	1740 J	2170 J	36-FS03-BC01	3/3
Chromium	3.4 U	3.5 U	ND	ND		0/3
Cobalt	5.5 U	5.5 U	6.9	6.9	36-FS02-BC01	1/3
Copper	NA	NA	22.3	27.5	36-FS03-BC01	3/3
Iron	NA	NA	20.4	40.2	36-FS03-BC01	3/3
Lead	NA	NA	0.51 J	0.61 J	36-FS02-BC01	3/3
Magnesium	NA	NA	1500 J	1550 J	36-FS02-BC01	3/3
Manganese	1.4 U	1.6 U	1.7	1.7	36-FS03-BC02	1/3
Mercury	NA	NA	ND	ND		0/0
Nickel	5.4 U	5.5 U	ND	ND		0/3
Potassium	NA	NA	13000	14400	36-FS03-BC02	3/3
Selenium	0.71 UJ	0.71 UJ	0.72 J	0.8 J	36-FS02-BC01	2/3
Silver	1.5 U	1.5 U	ND	ND		0/3
Sodium	NA	NA	14200	15300	36-FS02-BC01	3/3
Thallium	0.47 UJ	0.51 UJ	ND	ND		0/3
Vanadium	2.4 U	2.5 U	ND	ND		0/3
Zinc	NA	NA	93.8	130	36-FS03-BC01	3/3

APPENDIX I
STATISTICAL SUMMARIES

SOIL

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
ACETONE	7.96	8.27	9.73	1.93	0.41	8.22
TRICHLOROETHENE	7.25	7.56	8.87	1.87	0.33	7.38
TETRACHLOROETHENE	7.14	7.62	8.77	1.83	0.40	7.42
TOLUENE	9.63	14.80	12.80	1.97	0.54	9.50
STYRENE	7.84	8.57	9.67	1.91	0.39	7.98
XYLENE (TOTAL)	7.25	7.55	8.87	1.87	0.32	7.37
SEMIVOLATILES						
N-NITROSO-DI-N-PROPYLAMINE	211.93	29.29	218.46	5.35	0.13	218.14
NAPHTHALENE	206.19	35.21	214.05	5.31	0.24	219.48
2-METHYLNAPHTHALENE	205.63	36.73	213.82	5.30	0.24	219.30
ACENAPHTHENE	212.54	29.90	219.21	5.35	0.13	218.84
DIBENZOFURAN	209.39	26.59	215.32	5.34	0.12	215.31
FLUORENE	210.26	25.40	215.93	5.34	0.11	215.80
PHENANTHRENE	243.63	306.66	312.03	5.33	0.42	251.83
ANTHRACENE	220.44	79.59	238.19	5.37	0.21	229.58
CARBAZOLE	210.96	25.66	216.69	5.34	0.12	216.59
FLUORANTHENE	292.84	703.03	449.65	5.33	0.51	268.60
PYRENE	382.88	1432.05	702.30	5.29	0.63	289.09
BUTYLBENZYLPHTHALATE	207.12	36.99	215.37	5.31	0.24	220.42
BENZO(A)ANTHRACENE	272.12	490.24	381.47	5.37	0.45	265.94
CHRYSENE	276.05	584.55	406.44	5.31	0.53	266.49
BIS(2-ETHYLHEXYL)PHTHALATE	227.04	107.43	251.00	5.34	0.43	253.44
BENZO(B)FLUORANTHENE	264.77	451.16	365.40	5.35	0.46	262.34
BENZO(K)FLUORANTHENE	230.33	174.52	269.26	5.35	0.36	245.50
BENZO(A)PYRENE	261.84	411.00	353.52	5.36	0.44	263.13
INDENO(1,2,3-CD)PYRENE	248.49	332.78	322.72	5.34	0.45	257.22
DIBENZO(A,H)ANTHRACENE	219.39	72.10	235.47	5.36	0.20	228.12
BENZO(G,H,I)PERYLENE	248.86	291.12	313.79	5.39	0.34	251.41

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
PESTICIDES/PCBs						
GAMMA-BHC (LINDANE)	2.29	6.67	3.78	0.22	0.68	1.90
HEPTACHLOR	2.26	6.66	3.75	0.22	0.66	1.85
ALDRIN	26.98	185.23	68.29	0.40	1.17	4.44
HEPTACHLOR EPOXIDE	4.22	11.16	6.71	0.50	0.99	3.67
ENDOSULFAN I	7.09	29.38	13.65	0.42	1.11	4.13
DIELDRIN	296.90	2117.40	769.19	1.76	1.68	48.73
4,4'-DDE	167.15	406.94	257.92	3.43	1.88	440.33
ENDRIN	4.63	13.34	7.61	0.93	0.69	3.85
4,4'-DDD	35.29	86.11	54.50	2.15	1.53	52.64
ENDOSULFAN SULFATE	4.54	13.32	7.51	0.91	0.66	3.73
4,4'-DDT	313.04	1635.82	677.91	2.90	1.85	240.54
ENDRIN KETONE	4.72	13.39	7.71	0.93	0.70	3.98
ENDRIN ALDEHYDE	4.67	13.36	7.65	0.93	0.69	3.89
ALPHA-CHLORDANE	25.97	132.02	55.41	0.85	1.52	14.04
GAMMA-CHLORDANE	18.33	111.09	43.11	0.58	1.26	6.45
AROCLOR-1248	587.79	3186.01	1298.43	3.76	1.58	291.42
AROCLOR-1254	58.47	149.19	91.75	3.33	0.84	50.60

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
ALUMINUM, TOTAL	4946.15	3129.88	5677.07	8.35	0.57	5808.71
ANTIMONY, TOTAL	3.09	4.60	4.23	0.81	0.64	3.38
ARSENIC, TOTAL	1.62	2.00	2.09	-0.03	1.01	2.40
BARIUM, TOTAL	24.42	23.28	29.86	2.87	0.80	31.66
BERYLLIUM, TOTAL	0.08	0.03	0.09	-2.56	0.44	0.10
CADMIUM, TOTAL	0.65	0.93	0.87	-0.81	0.71	0.71
CALCIUM, TOTAL	10950.21	19360.97	15471.56	7.75	1.96	45291.21
CHROMIUM, TOTAL	9.17	8.22	11.09	1.95	0.71	11.29
COBALT, TOTAL	0.76	1.30	1.06	-0.73	0.76	0.82
COPPER, TOTAL	27.42	66.34	42.91	1.72	1.92	98.22
IRON, TOTAL	8993.90	16644.89	12880.96	8.43	1.01	11299.70
LEAD, TOTAL	70.35	137.87	102.55	3.32	1.29	110.52
MAGNESIUM, TOTAL	301.87	228.30	355.18	5.44	0.76	388.50
MANGANESE, TOTAL	62.32	137.12	94.34	3.17	1.32	101.62
MERCURY, TOTAL	0.29	0.52	0.42	-2.15	1.19	0.37
NICKEL, TOTAL	3.57	7.02	5.21	0.63	0.97	4.19
POTASSIUM, TOTAL	183.22	141.63	216.30	4.93	0.78	238.82
SELENIUM, TOTAL	0.23	0.12	0.26	-1.56	0.45	0.26
SILVER, TOTAL	0.80	1.82	1.25	-0.86	0.82	0.79
SODIUM, TOTAL	39.57	54.97	52.40	3.16	0.99	53.87
VANADIUM, TOTAL	12.73	10.16	15.10	2.29	0.72	16.00
ZINC, TOTAL	122.75	251.51	181.48	3.36	1.76	346.11

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
ACETONE	27.83	77.00	44.17	2.29	1.04	23.93
1,2-DICHLOROETHENE (TOTAL)	6.15	0.94	6.35	1.81	0.12	6.32
2-BUTANONE	8.94	20.84	13.37	1.88	0.45	8.06
TRICHLOROETHENE	6.09	1.03	6.31	1.79	0.15	6.30
BENZENE	6.14	0.98	6.35	1.80	0.14	6.33
TOLUENE	6.65	2.13	7.10	1.86	0.23	6.95
XYLENE (TOTAL)	5.96	1.24	6.22	1.76	0.23	6.30
SEMIVOLATILES						
1,4-DICHLOROBENZENE	201.79	33.65	209.29	5.30	0.15	208.68
2-METHYLPHENOL	208.71	50.40	219.85	5.32	0.16	215.87
4-METHYLPHENOL	200.66	36.92	208.82	5.28	0.23	213.11
ISOPHORONE	236.12	250.87	291.59	5.35	0.33	239.86
NAPHTHALENE	200.63	37.40	208.97	5.28	0.24	213.73
2-METHYLNAPHTHALENE	199.04	38.84	207.70	5.27	0.22	210.22
PHENANTHRENE	198.56	39.45	207.36	5.27	0.24	211.35
DI-N-BUTYLPHTHALATE	349.50	324.80	421.32	5.59	0.65	395.43
FLUORANTHENE	203.42	35.97	211.44	5.30	0.14	209.89
PYRENE	197.44	44.87	207.45	5.26	0.26	211.27
BUTYLBENZYLPHTHALATE	198.81	39.38	207.59	5.27	0.25	212.29
BENZO(A)ANTHRACENE	198.14	38.17	206.65	5.27	0.20	208.17
CHRYSENE	195.81	43.66	205.54	5.24	0.30	213.05
BIS(2-ETHYLHEXYL)PHTHALATE	191.93	78.07	209.19	5.16	0.48	220.99
BENZO(B)FLUORANTHENE	194.05	44.79	204.04	5.23	0.31	211.76
BENZO(K)FLUORANTHENE	195.67	44.65	205.63	5.24	0.31	213.22
BENZO(A)PYRENE	197.23	45.11	207.29	5.26	0.25	209.92
INDENO(1,2,3-CD)PYRENE	196.21	43.41	205.89	5.25	0.29	212.40
BENZO(G,H,I)PERYLENE	198.44	40.11	207.39	5.27	0.26	212.50

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
PESTICIDE/PCBs						
GAMMA-BHC (LINDANE)	1.37	1.68	1.74	0.10	0.46	1.39
ALDRIN	1.97	3.38	2.73	0.22	0.69	1.91
HEPTACHLOR EPOXIDE	1.56	2.29	2.07	0.14	0.56	1.56
DIELDRIN	26.68	159.84	62.65	1.27	1.16	10.39
4,4'-DDE	114.07	287.07	178.67	2.50	2.16	433.30
ENDRIN	2.75	3.26	3.48	0.82	0.46	2.82
ENDOSULFAN II	2.61	3.24	3.34	0.77	0.43	2.64
4,4'-DDD	81.54	199.95	126.53	2.36	2.02	256.17
4,4'-DDT	82.02	416.41	175.72	1.93	1.70	60.62
ENDRIN ALDEHYDE	3.21	5.09	4.35	0.84	0.57	3.16
ALPHA-CHLORDANE	17.79	101.36	40.60	0.48	1.24	5.36
GAMMA-CHLORDANE	17.29	103.29	40.53	0.43	1.21	4.86
AROCLOR-1248	50.15	125.62	78.42	3.24	0.79	43.39

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
ALUMINUM, TOTAL	5616.57	3988.83	6557.16	8.41	0.71	7190.02
ANTIMONY, TOTAL	3.23	4.08	4.27	0.82	0.71	3.71
ARSENIC, TOTAL	3.30	4.90	4.45	0.23	1.46	6.84
BARIUM, TOTAL	46.12	89.45	67.21	2.85	1.30	70.37
BERYLLIUM, TOTAL	0.08	0.03	0.09	-2.61	0.50	0.10
CADMIUM, TOTAL	2.54	8.07	4.44	-0.63	1.28	2.11
CALCIUM, TOTAL	3937.65	9478.49	6172.75	6.21	2.21	23775.05
CHROMIUM, TOTAL	11.81	13.50	14.99	2.00	0.94	15.92
COBALT, TOTAL	1.40	2.35	1.95	-0.48	1.10	1.74
COPPER, TOTAL	65.81	217.79	117.17	1.22	2.46	344.56
IRON, TOTAL	16746.18	28322.31	23424.78	8.61	1.48	31266.78
LEAD, TOTAL	189.45	497.40	306.74	3.10	1.99	473.54
MAGNESIUM, TOTAL	307.09	405.71	402.76	5.26	0.97	429.98
MANGANESE, TOTAL	119.73	274.18	184.39	2.76	2.07	506.62
MERCURY, TOTAL	0.29	0.66	0.44	-2.34	1.22	0.33
NICKEL, TOTAL	9.66	16.52	13.56	1.00	1.58	20.24
POTASSIUM, TOTAL	208.36	265.62	271.00	4.90	0.86	258.88
SELENIUM, TOTAL	0.21	0.18	0.25	-1.71	0.43	0.22
SILVER, TOTAL	0.32	0.12	0.35	-1.19	0.27	0.34
SODIUM, TOTAL	64.24	104.48	88.88	3.36	1.20	93.66
VANADIUM, TOTAL	10.21	10.05	12.58	2.01	0.77	12.79
ZINC, TOTAL	275.16	579.78	411.88	2.81	2.79	6813.88

GROUNDWATER

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
METHYLENE CHLORIDE	4.86	0.74	5.10	1.55	0.30	5.49
1,2-DICHLOROETHENE (TOTAL)	7.79	7.66	10.21	1.84	0.55	9.07
TRICHLOROETHENE	10.69	20.54	17.18	1.83	0.76	11.51
TETRACHLOROETHENE	4.76	0.91	5.05	1.52	0.34	5.48
1,1,2,2-TETRACHLOROETHANE	5.14	1.25	5.53	1.61	0.22	5.53
SEMIVOLATILES						
BIS(2-ETHYLHEXYL)PHTHALATE	4.74	0.99	5.15	1.51	0.39	5.85
PESTICIDES/PCB's						
4,4'-DDD	0.05	0.00	0.05	-3.02	0.05	0.05

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER (ROUND 1 & 2) - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
ALUMINUM, TOTAL	112.73	192.36	183.31	3.73	1.37	313.86
ARSENIC, TOTAL	1.11	0.78	1.40	-0.02	0.42	1.30
BARIUM, TOTAL	54.33	67.79	79.20	3.31	1.40	218.52
CADMIUM, TOTAL	1.66	0.38	1.80	0.49	0.20	1.80
CALCIUM, TOTAL	78084.09	53908.26	97864.02	10.89	1.12	217193.86
IRON, TOTAL	2535.25	4666.40	4247.44	5.76	2.42	109582.80
LEAD, TOTAL	2.05	3.80	3.45	0.08	0.88	2.62
MAGNESIUM, TOTAL	12041.09	13455.88	16978.30	8.77	1.23	32219.51
MANGANESE, TOTAL	277.88	693.88	532.48	4.18	1.68	1200.03
MERCURY, TOTAL	0.16	0.28	0.26	-2.18	0.56	0.17
NICKEL, TOTAL	5.99	13.32	10.87	1.20	0.78	6.81
POTASSIUM, TOTAL	9783.73	11884.29	14144.29	8.43	1.31	30374.70
SELENIUM, TOTAL	0.94	0.56	1.15	-0.14	0.35	1.07
SODIUM, TOTAL	41691.36	62281.63	64543.64	10.17	0.87	62893.14
VANADIUM, TOTAL	1.35	1.25	1.81	0.13	0.48	1.59
ZINC, TOTAL	19.75	57.47	40.84	0.93	1.55	33.93

SURFACE WATER

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
1,2-Dichloroethene (total)	5.29	0.76	5.84	1.66	0.13	5.87

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
Aluminum	1.06	0.69	1.56	-0.11	0.61	2.22
Antimony	2.00	1.22	2.90	0.46	0.82	6.99
Barium	16.91	11.98	25.70	2.66	0.59	32.40
Calcium	36321.43	11543.61	44798.88	10.45	0.37	51803.88
Copper	12.71	19.43	26.98	1.95	1.01	73.12
Iron	2093.86	1373.79	3102.74	7.49	0.58	3988.09
Magnesium	8082.79	6180.49	12621.64	8.48	1.39	236731.48
Manganese	52.55	42.43	83.71	3.62	0.99	270.13
Molybdenum	40.86	19.04	54.84	3.59	0.57	79.22
Nickel	16.33	11.57	24.82	2.51	0.86	59.75
Potassium	8560.00	4648.67	11973.91	8.97	0.42	13041.80
Sodium	148285.71	88216.52	213070.60	11.79	0.49	244180.80
Thallium	0.59	0.23	0.75	-0.58	0.30	0.76
Vanadium	100.96	134.95	200.07	3.68	1.64	8350.99
ANALYTE						
Hardness mg/L CaCO3	139.14	41.21	169.41	4.89	0.33	190.36

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
DISSOLVED METALS						
ALUMINUM, SOLUBLE	21.84	20.42	36.84	2.80	0.76	57.58
BARIUM, SOLUBLE	19.81	8.96	26.40	2.86	0.61	43.31
CADMIUM, SOLUBLE	1.38	0.75	1.93	0.22	0.46	2.21
CALCIUM, SOLUBLE	70195.71	42449.39	101369.91	10.89	0.92	331671.98
COBALT, SOLUBLE	2.04	0.91	2.71	0.66	0.33	2.78
COPPER, SOLUBLE	5.70	6.03	10.13	1.38	0.91	23.54
IRON, SOLUBLE	628.04	736.06	1168.59	4.93	2.31	5358424.86
LEAD, SOLUBLE	5.21	6.23	9.79	0.61	1.71	514.80
MAGNESIUM, SOLUBLE	141574.00	134237.82	240156.24	10.14	2.85	151540048704.09
MANGANESE, SOLUBLE	43.43	23.19	60.46	3.66	0.50	76.08
NICKEL, SOLUBLE	13.33	10.29	20.88	2.32	0.79	38.51
POTASSIUM, SOLUBLE	51561.43	44844.74	84494.73	10.13	1.55	3536847.61
SODIUM, SOLUBLE	1187500.00	1031470.86	1944996.70	13.23	1.61	100905636.18
VANADIUM, SOLUBLE	73.73	91.07	140.61	2.90	2.31	693326.68
ZINC, SOLUBLE	12.63	11.79	21.28	2.11	1.03	90.69

SEDIMENT

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
Tetrachloroethene	10.31	7.0105232257	13.772558408	2.1627138797	0.5759608061	14.897306606
SEMIVOLATILES						
Diethylphthalate	623.31	572.84780332	906.43077323	6.1185489008	0.7935162139	1110.3913575
Anthracene	466.38	367.7970542	648.16384982	5.8324318557	0.8841479972	1001.5990795
Di-n-butylphthalate	481.50	352.74099327	655.83795888	5.960777005	0.6614643125	760.22890551
Pyrene	487.92	348.60793679	660.21832275	5.9840897464	0.6477705659	764.0000209
bis(2-Ethylhexyl)phthalate	491.81	345.65556908	662.6437662	6.0002853707	0.6334181949	761.82504384
PESTICIDES/PCBs						
Aldrin	13.66	15.051635868	21.102934678	2.1427680345	1.1081376404	45.461868368
Dieldrin	27.87	30.2233449	42.802906369	2.7656230891	1.2911701234	150.79556669
4,4'-DDE	220.40	324.56383968	380.80789622	4.4729449191	1.6193950461	2435.8838961
Endrin	14.72	15.060745589	22.162821663	2.2888533875	0.9806993648	35.832269602
4,4'-DDD	438.69	553.52678114	712.26620767	5.1928075605	1.5604069563	4233.4987574
Endosulfan sulfate	25.93	29.457968209	40.490012836	2.7365553969	1.1473876171	89.342311399
4,4'-DDT	15.87	12.878557512	22.230455511	2.4383438051	0.8796854499	33.376988086
Endrin ketone	25.55	29.336620045	40.045422592	2.7764880451	1.0459785283	75.503516618
Endrin aldehyde	25.90	29.471391495	40.465877901	2.7398040711	1.1351456057	87.360296432
alpha-Chlordane	13.31	15.149603321	20.799046211	2.1272904596	1.0491321386	39.698054881

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
Aluminum	9369.33	9148.08	13528.86	8.72	0.97	19839.17
Arsenic	1.64	0.86	2.07	0.36	0.56	2.41
Barium	24.88	22.18	34.97	2.78	1.06	68.51
Beryllium	0.32	0.41	0.50	-1.76	1.11	0.81
Cadmium	0.85	2.20	1.85	-1.53	1.54	3.75
Calcium	5084.07	5151.45	7426.37	7.81	1.49	31268.66
Chromium	11.89	8.35	15.69	2.18	0.85	23.06
Cobalt	1.84	1.69	2.61	0.21	0.99	4.20
Copper	12.10	11.21	17.20	2.19	0.77	19.88
Iron	6658.00	4907.08	8889.19	8.53	0.79	11661.09
Lead	1128.11	4021.66	3031.65	4.01	1.85	3422.99
Magnesium	1206.27	1134.59	1722.15	6.68	0.97	2601.52
Manganese	23.05	19.01	31.70	2.78	0.90	45.17
Mercury	0.30	0.26	0.61	-1.57	1.09	413.49
Nickel	10.41	19.18	19.14	1.54	1.19	25.81
Potassium	555.87	641.26	847.44	5.86	0.97	1140.32
Selenium	0.48	0.50	0.71	-1.14	0.91	0.94
Sodium	1389.57	1411.95	2031.56	6.81	0.99	3079.05
Thallium	0.35	0.28	0.48	-1.34	0.83	0.65
Vanadium	38.67	77.48	73.89	2.88	1.10	83.12
Zinc	71.86	52.34	121.76	4.05	0.76	355.51

FISH

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
Methylene Chloride	47.47	40.59	65.92	3.57	0.75	76.42
Acetone	422.17	755.76	765.80	5.01	1.47	1806.69
Carbon Disulfide	685.80	326.93	834.45	6.41	0.54	963.82
2-Butanone	385.40	1307.03	979.69	3.86	1.57	891.86
Toluene	45.97	40.86	64.55	3.53	0.74	72.63
PESTICIDE/PCBs						
beta-BHC	7.46	1.67	8.12	1.98	0.24	8.30
gamma-BHC (Lindane)	7.07	1.84	7.80	1.91	0.33	8.33
Heptachlor	7.19	1.72	7.87	1.94	0.30	8.27
Aldrin	7.28	1.15	7.74	1.97	0.16	7.81
Heptachlor epoxide	7.28	1.43	7.85	1.96	0.22	8.05
Dieldrin	17.23	12.48	22.19	2.63	0.67	24.90
4,4'-DDE	208.05	147.36	266.67	5.08	0.77	335.84
Endrin	10.82	11.27	15.30	2.10	0.69	15.11
Endosulfan II	12.78	4.59	14.60	2.46	0.49	16.72
4,4'-DDD	80.37	62.77	105.34	4.14	0.71	121.32
4,4'-DDT	11.12	5.39	13.26	2.26	0.60	15.62
Endrin ketone	13.86	4.06	15.48	2.56	0.46	17.90
Endrin aldehyde	13.70	4.24	15.39	2.53	0.50	18.14
alpha-Chlordane	16.39	11.27	20.87	2.60	0.65	23.57

SITE 36, CAMP GEIGER AREA DUMP
FISH FILLET - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
Aluminum	14.08	7.03	16.87	2.53	0.48	17.89
Arsenic	0.68	0.43	0.85	-0.60	0.70	1.03
Barium	0.69	0.44	0.87	-0.52	0.56	0.93
Cadmium	0.12	0.13	0.17	-2.48	0.74	0.17
Calcium	3181.21	4206.81	4854.71	7.36	1.16	7276.11
Chromium	1.69	0.73	1.98	0.45	0.37	2.00
Copper	2.67	1.15	3.13	0.90	0.42	3.30
Iron	34.34	14.13	39.96	3.42	0.55	47.26
Lead	0.32	0.22	0.42	-1.28	0.47	0.40
Magnesium	1191.42	180.42	1263.19	7.07	0.16	1276.01
Manganese	1.60	0.68	1.87	0.36	0.51	2.13
Mercury	0.45	0.43	0.66	-1.22	0.94	1.00
Potassium	14688.42	2984.20	15875.56	9.58	0.20	16107.54
Selenium	0.76	1.28	1.27	-0.81	0.85	1.08
Silver	1.05	0.77	1.40	-0.11	0.54	1.42
Sodium	3316.84	4610.10	5150.77	7.78	0.65	4233.29
Vanadium	1.10	0.27	1.21	0.07	0.27	1.25
Zinc	34.15	10.62	39.96	3.49	0.31	42.04

SITE 36, CAMP GEIGER AREA DUMP
FISH (WHOLE BODY) - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
Methylene Chloride	26.21	9.52	33.21	3.21	0.35	36.70
Acetone	4281.36	9043.21	10922.56	6.24	2.55	418168152.23
Carbon Disulfide	707.43	390.64	994.31	6.44	0.53	1281.99
1,1-Dichloroethane	23.00	7.02	28.15	3.10	0.28	29.46
Toluene	22.14	5.86	26.45	3.07	0.25	27.68
Xylene (total)	27.21	14.18	37.63	3.22	0.42	41.58
SEMIVOLATILES						
beta-BHC	5.15	2.24	6.38	1.53	0.54	7.88
gamma-BHC (Lindane)	5.10	2.54	6.49	1.48	0.62	8.66
Heptachlor	5.08	2.52	6.46	1.47	0.62	8.61
Aldrin	4.61	2.44	5.94	1.37	0.61	7.64
Dieldrin	21.20	19.12	31.65	2.70	0.89	49.36
4,4'-DDE	182.27	138.32	257.84	4.91	0.84	408.06
Endrin	10.97	8.67	15.71	2.10	0.82	23.79
Endosulfan II	8.05	5.07	10.82	1.89	0.66	13.87
4,4'-DDD	83.64	86.18	130.72	4.07	0.86	182.22
4,4'-DDT	14.67	15.11	22.93	2.40	0.70	25.48
Endrin ketone	9.55	4.90	12.23	2.09	0.65	16.65
Endrin aldehyde	8.68	4.26	11.01	2.02	0.58	13.65
alpha-Chlordane	20.90	18.86	31.20	2.51	1.20	96.91
gamma-Chlordane	6.87	5.94	10.12	1.62	0.82	14.81

SITE 36, CAMP GEIGER AREA DUMP
FISH (WHOLE BODY) - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
Aluminum	21.63	13.67	29.55	2.85	0.76	45.61
Barium	1.42	1.31	2.18	0.08	0.79	3.00
Cadmium	0.17	0.26	0.32	-2.36	0.92	0.38
Calcium	23088.00	17153.31	33030.84	9.70	1.00	75696.96
Chromium	2.11	0.81	2.58	0.68	0.40	2.88
Copper	4.26	2.74	5.84	1.30	0.56	6.67
Iron	132.52	96.17	188.26	4.74	0.52	197.79
Lead	0.55	0.79	1.08	-1.05	0.84	1.41
Magnesium	1184.50	200.50	1300.72	7.06	0.17	1323.76
Manganese	5.28	2.94	6.99	1.52	0.59	8.65
Mercury	0.24	0.29	0.59	-1.85	0.98	41.17
Potassium	10156.00	1100.60	10793.96	9.22	0.11	10858.86
Selenium	0.61	0.39	0.84	-0.71	0.73	1.24
Silver	0.87	0.63	1.33	-0.35	0.66	1.93
Sodium	4314.00	4626.39	6995.67	8.09	0.70	7445.10
Zinc	66.01	16.38	75.51	4.16	0.25	78.21

CRAB

SITE 36, CAMP GEIGER AREA DUMP
CRAB - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
VOLATILES						
Chloromethane						
Methylene Chloride	10019.33	5463.41	19229.89	9.12	0.50	166224.56
Acetone	173947.33	173009.98	465618.41	11.73	0.99	1.88E+09
PESTICIDE/PCBs						
beta-BHC	8.03	1.10	9.88	2.08	0.14	11.21
gamma-BHC (Lindane)	3.37	1.17	5.34	1.17	0.38	14.20
Heptachlor	3.75	1.00	5.43	1.29	0.29	8.96
Aldrin	3.70	1.21	5.74	1.27	0.37	15.15
Dieldrin	8.07	1.81	11.13	2.07	0.24	16.49
4,4'-DDE	63.67	32.47	118.41	4.07	0.47	576.96
4,4'-DDD	33.67	15.01	58.97	3.44	0.48	311.96
4,4'-DDT	6.33	3.33	11.95	1.71	0.69	600.41
alpha-Chlordane	3.90	0.44	4.63	1.36	0.11	5.03

SITE 36, CAMP GEIGER AREA DUMP
CRAB - STATISTICAL SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

	NORMAL ARITHMETIC MEAN	NORMAL STANDARD DEVIATION	NORMAL UPPER 95% CONFIDENCE INTERVAL	LOG ARITHMETIC MEAN	LOG STANDARD DEVIATION	LOG UPPER 95% CONFIDENCE INTERVAL
TOTAL METALS						
Aluminum	10.05	8.02	23.57	2.11	0.74	2521.43
Arsenic	0.79	0.53	1.68	-0.37	0.61	43.43
Cadmium	0.33	0.41	1.02	-1.80	1.56	5.48E+10
Calcium	1960.00	215.17	2322.75	7.58	0.11	2541.98
Cobalt	4.13	2.40	8.17	1.32	0.53	80.74
Copper	25.37	2.72	29.96	3.23	0.11	32.88
Iron	33.50	11.35	52.63	3.47	0.39	145.29
Lead	0.57	0.05	0.65	-0.57	0.09	0.68
Magnesium	1516.67	28.87	1565.33	7.32	0.02	1573.63
Manganese	1.07	0.55	2.00	-0.02	0.48	9.93
Potassium	13633.33	709.46	14829.39	9.52	0.05	15082.49
Selenium	0.63	0.24	1.02	-0.53	0.44	4.94
Sodium	14800.00	556.78	15738.65	9.60	0.04	15933.41
Zinc	109.27	18.67	140.73	4.68	0.17	161.89

APPENDIX J
FIELD DUPLICATE SUMMARIES

SOIL

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAD-SB02-00D	36-FCA-SB04-00D	36-FCA-SB13-00D	36-FDA-SB04-00D	36-GW11-00D	36-OA-SB01B-00D
DATE SAMPLED	02/24/95	02/25/95	02/27/95	02/24/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES						
CHLOROMETHANE	14 U	13 U	12 U	11 U	12 U	12 U
BROMOMETHANE	14 U	13 U	12 U	11 U	12 U	12 U
VINYL CHLORIDE	14 U	13 U	12 U	11 U	12 U	12 U
CHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
METHYLENE CHLORIDE	14 U	13 U	12 U	11 U	12 U	12 U
ACETONE	14 U	13 UJ	12 U	11 U	12 U	12 U
CARBON DISULFIDE	14 U	13 U	12 U	11 U	12 U	12 U
1,1-DICHLOROETHENE	14 U	13 U	12 U	11 U	12 U	12 U
1,1-DICHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	14 U	13 U	12 U	11 U	12 U	12 U
CHLOROFORM	14 U	13 U	12 U	11 U	12 U	12 U
1,2-DICHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
2-BUTANONE	14 U	13 U	12 U	11 U	12 U	12 U
1,1,1-TRICHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
CARBON TETRACHLORIDE	14 U	13 U	12 U	11 U	12 U	12 U
BROMODICHLOROMETHANE	14 U	13 U	12 U	11 U	12 U	12 U
1,2-DICHLOROPROPANE	14 U	13 U	12 U	11 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE	14 U	13 U	12 U	11 U	12 U	12 U
TRICHLOROETHENE	14 U	13 U	12 U	11 U	12 U	12 U
DIBROMOCHLOROMETHANE	14 U	13 U	12 U	11 U	12 U	12 U
1,1,2-TRICHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
BENZENE	14 U	13 U	12 U	11 U	12 U	12 U
TRANS-1,3-DICHLOROPROPENE	14 U	13 U	12 U	11 U	12 U	12 U
BROMOFORM	14 U	13 U	12 U	11 U	12 U	12 U
4-METHYL-2-PENTANONE	14 U	13 U	12 U	11 U	12 U	12 U
2-HEXANONE	14 U	13 U	12 U	11 U	12 U	12 U
TETRACHLOROETHENE	14 U	13 U	12 U	11 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	14 U	13 U	12 U	11 U	12 U	12 U
TOLUENE	14 U	13 U	12 U	11 U	12 U	12 U
CHLOROBENZENE	14 U	13 U	12 U	11 U	12 U	12 U
ETHYLBENZENE	14 U	13 U	12 U	11 U	12 U	12 U
STYRENE	14 U	13 U	12 U	11 U	12 U	12 U
XYLENE (TOTAL)	14 U	13 U	12 U	11 U	12 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAD-SB02-00D	36-FCA-SB04-00D	36-FCA-SB13-00D	36-FDA-SB04-00D	36-GW11-00D	36-OA-SB01B-00D
DATE SAMPLED	02/24/95	02/25/95	02/27/95	02/24/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES						
PHENOL	450 U	420 U	410 U	370 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	450 U	420 U	410 U	370 U	400 U	400 U
2-CHLOROPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
1,3-DICHLOROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
1,4-DICHLOROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
1,2-DICHLOROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
2-METHYLPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	450 U	420 U	410 U	370 U	400 UJ	400 U
4-METHYLPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	450 U	420 U	410 U	370 U	400 U	400 U
HEXACHLOROETHANE	450 U	420 U	410 U	370 U	400 U	400 U
NITROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
ISOPHORONE	450 U	420 U	410 U	370 U	400 U	400 U
2-NITROPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
2,4-DIMETHYLPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
BIS(2-CHLOROETHOXY)METHANE	450 U	420 U	410 U	370 U	400 U	400 U
2,4-DICHLOROPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
1,2,4-TRICHLOROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
NAPHTHALENE	450 U	420 U	410 U	370 U	400 U	400 U
4-CHLOROANILINE	450 U	420 U	410 U	370 U	400 U	400 U
HEXACHLOROBUTADIENE	450 U	420 U	410 U	370 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
2-METHYLNAPHTHALENE	450 U	420 U	410 U	370 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	450 UJ	420 UJ	410 UJ	370 U	400 U	400 U
2,4,6-TRICHLOROPHENOL	450 U	420 U	410 U	370 U	400 U	400 U
2,4,5-TRICHLOROPHENOL	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
2-CHLORONAPHTHALENE	450 U	420 U	410 U	370 U	400 U	400 U
2-NITROANILINE	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
DIMETHYLPHTHALATE	450 U	420 U	410 U	370 U	400 U	400 U
ACENAPHTHYLENE	450 U	420 U	410 U	370 U	400 U	400 U
2,6-DINITROTOLUENE	450 U	420 U	410 U	370 U	400 U	400 U
3-NITROANILINE	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
ACENAPHTHENE	450 U	420 U	410 U	370 U	400 U	400 U
2,4-DINITROPHENOL	1100 U	1000 U	1000 U	940 U	1000 U	1000 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAD-SB02-00D	36-FCA-SB04-00D	36-FCA-SB13-00D	36-FDA-SB04-00D	36-GW11-00D	36-OA-SB01B-00D
DATE SAMPLED	02/24/95	02/25/95	02/27/95	02/24/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont						
4-NITROPHENOL	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
DIBENZOFURAN	450 U	420 U	410 U	370 U	400 U	400 U
2,4-DINITROTOLUENE	450 U	420 U	410 U	370 U	400 U	400 U
DIETHYLPHTHALATE	450 U	420 U	410 U	370 U	400 U	400 U
4-CHLOROPHENYL-PHENYLETHER	450 U	420 U	410 U	370 U	400 U	400 U
FLUORENE	450 U	420 U	410 U	370 U	400 U	400 U
4-NITROANILINE	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
4,6-DINITRO-2-METHYLPHENOL	1100 U	1000 UJ	1000 U	940 U	1000 U	1000 U
N-NITROSODIPHENYLAMINE (1)	450 U	420 U	410 U	370 U	400 U	400 U
4-BROMOPHENYL-PHENYLETHER	450 U	420 U	410 U	370 U	400 U	400 U
HEXACHLOROBENZENE	450 U	420 U	410 U	370 U	400 U	400 U
PENTACHLOROPHENOL	1100 U	1000 U	1000 U	940 U	1000 U	1000 U
PHENANTHRENE	120 J	420 U	410 U	370 U	400 U	400 U
ANTHRACENE	450 U	420 U	410 U	370 U	400 U	400 U
CARBAZOLE	450 U	420 U	410 U	370 U	400 U	400 U
DI-N-BUTYLPHTHALATE	450 U	2600 U	410 U	370 U	400 U	1900 U
FLUORANTHENE	190 J	420 U	410 U	370 U	400 U	400 U
PYRENE	150 J	420 U	410 U	370 U	400 U	400 U
BUTYLBENZYLPHTHALATE	450 U	420 U	410 U	370 U	400 U	140 J
3,3'-DICHLOROBENZIDINE	450 U	420 U	410 U	370 U	400 U	400 U
BENZO(A)ANTHRACENE	450 U	420 U	410 U	370 U	400 U	400 U
CHRYSENE	77 J	420 U	410 U	370 U	400 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	450 U	420 U	410 U	370 U	400 U	400 U
DI-N-OCTYL PHTHALATE	450 U	420 UJ	410 U	370 U	400 U	400 U
BENZO(B)FLUORANTHENE	450 U	420 U	410 U	370 U	400 U	400 U
BENZO(K)FLUORANTHENE	450 U	420 U	410 U	370 U	400 U	400 U
BENZO(A)PYRENE	450 U	420 U	410 U	370 U	400 U	400 U
INDENO(1,2,3-CD)PYRENE	450 U	420 U	410 U	370 U	400 U	400 U
DIBENZO(A,H)ANTHRACENE	450 U	420 U	410 U	370 U	400 U	400 U
BENZO(G,H,I)PERYLENE	450 U	420 U	410 U	370 U	400 U	400 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-DAD-SB02-00D	36-FCA-SB04-00D	36-FCA-SB13-00D	36-FDA-SB04-00D	36-GW11-00D	36-OA-SB01B-00D
DATE SAMPLED	02/24/95	02/25/95	02/27/95	02/24/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs						
ALPHA-BHC	2.3 UJ	2.1 U	2 U	1.9 UJ	2 U	2 U
BETA-BHC	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
DELTA-BHC	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
GAMMA-BHC (LINDANE)	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
HEPTACHLOR	2.3 UJ	2.1 UJ	2 U	1.9 U	2 U	2 U
ALDRIN	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
HEPTACHLOR EPOXIDE	2.3 UJ	2.1 U	2 U	1.9 U	2 U	4.8 J
ENDOSULFAN I	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
DIELDRIN	4.5 UJ	4.2 U	4 U	3.7 U	4 U	7.1
4,4'-DDE	34 J	64	4 U	2.6 J	33	48 J
ENDRIN	4.5 UJ	4.2 U	4 U	3.7 U	4 U	4 U
ENDOSULFAN II	4.5 UJ	4.2 U	4 U	3.7 U	4 U	4 U
4,4'-DDD	4.5 J	5.4	4 U	3.7 U	12	9.5 J
ENDOSULFAN SULFATE	4.5 UJ	4.2 U	4 U	3.7 U	4 U	4 U
4,4'-DDT	11 J	40	4 U	6.3	21	25
METHOXYCHLOR	23 UJ	21 UJ	20 UJ	19 U	20 U	20 U
ENDRIN KETONE	4.5 UJ	4.2 U	4 U	3.7 U	4 U	4 U
ENDRIN ALDEHYDE	4.5 UJ	4.2 U	4 U	3.7 U	4 U	4 U
ALPHA-CHLORDANE	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2.8 J
GAMMA-CHLORDANE	2.3 UJ	2.1 U	2 U	1.9 U	2 U	2 U
TOXAPHENE	230 UJ	210 U	200 U	190 U	200 U	200 U
AROCLOR-1016	45 UJ	42 U	40 U	37 U	40 U	40 U
AROCLOR-1221	90 UJ	83 U	80 U	74 U	80 U	79 U
AROCLOR-1232	45 UJ	42 U	40 U	37 U	40 U	40 U
AROCLOR-1242	45 UJ	42 U	40 U	37 U	40 U	40 U
AROCLOR-1248	45 UJ	42 U	40 U	37 U	40 U	810
AROCLOR-1254	45 UJ	42 U	40 U	37 U	40 U	40 U
AROCLOR-1260	45 UJ	42 U	40 U	37 U	40 U	40 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB02-00D	36-OF-SB02-00D	36-OF-SB05-00D
DATE SAMPLED	02/25/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG
VOLATILES			
CHLOROMETHANE	14 U	12 U	11 U
BROMOMETHANE	14 U	12 U	11 U
VINYL CHLORIDE	14 U	12 U	11 U
CHLOROETHANE	14 U	12 U	11 U
METHYLENE CHLORIDE	14 U	12 U	11 U
ACETONE	14 U	12 U	11 U
CARBON DISULFIDE	14 U	12 U	11 U
1,1-DICHLOROETHENE	14 U	12 U	11 U
1,1-DICHLOROETHANE	14 U	12 U	11 U
1,2-DICHLOROETHENE (TOTAL)	14 U	12 U	11 U
CHLOROFORM	14 U	12 U	11 U
1,2-DICHLOROETHANE	14 U	12 U	11 U
2-BUTANONE	14 U	12 U	11 U
1,1,1-TRICHLOROETHANE	14 U	12 U	11 U
CARBON TETRACHLORIDE	14 U	12 U	11 U
BROMODICHLOROMETHANE	14 U	12 U	11 U
1,2-DICHLOROPROPANE	14 U	12 U	11 U
CIS-1,3-DICHLOROPROPENE	14 U	12 U	11 U
TRICHLOROETHENE	14 U	12 U	2 J
DIBROMOCHLOROMETHANE	14 U	12 U	11 U
1,1,2-TRICHLOROETHANE	14 U	12 U	11 U
BENZENE	14 U	12 U	11 U
TRANS-1,3-DICHLOROPROPENE	14 U	12 U	11 U
BROMOFORM	14 U	12 U	11 U
4-METHYL-2-PENTANONE	14 UJ	12 U	11 U
2-HEXANONE	14 UJ	12 U	11 U
TETRACHLOROETHENE	14 UJ	12 U	11 U
1,1,2,2-TETRACHLOROETHANE	14 UJ	12 U	11 U
TOLUENE	14 UJ	24	30
CHLOROBENZENE	14 UJ	12 U	11 U
ETHYLBENZENE	14 UJ	12 U	11 U
STYRENE	14 UJ	12 U	11 U
XYLENE (TOTAL)	14 UJ	12 U	11 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB02-00D	36-OF-SB02-00D	36-OF-SB05-00D
DATE SAMPLED	02/25/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG
SEMIVOLATILES			
PHENOL	460 U	400 U	370 U
BIS(2-CHLOROETHYL)ETHER	460 U	400 U	370 U
2-CHLOROPHENOL	460 U	400 U	370 U
1,3-DICHLOROBENZENE	460 U	400 U	370 U
1,4-DICHLOROBENZENE	460 U	400 U	370 U
1,2-DICHLOROBENZENE	460 U	400 U	370 U
2-METHYLPHENOL	460 U	400 U	370 U
2,2'-OXYBIS(1-CHLOROPROPANE)	460 U	400 U	370 U
4-METHYLPHENOL	460 U	400 U	370 U
N-NITROSO-DI-N-PROPYLAMINE	460 U	400 U	370 U
HEXACHLOROETHANE	460 U	400 U	370 U
NITROBENZENE	460 U	400 U	370 U
ISOPHORONE	460 U	400 U	370 U
2-NITROPHENOL	460 U	400 U	370 U
2,4-DIMETHYLPHENOL	460 U	400 U	370 U
BIS(2-CHLOROETHOXY)METHANE	460 U	400 U	370 U
2,4-DICHLOROPHENOL	460 U	400 U	370 U
1,2,4-TRICHLOROBENZENE	460 U	400 U	370 U
NAPHTHALENE	460 U	400 U	370 U
4-CHLOROANILINE	460 U	400 U	370 U
HEXACHLOROBUTADIENE	460 U	400 U	370 U
4-CHLORO-3-METHYLPHENOL	460 U	400 U	370 U
2-METHYLNAPHTHALENE	460 U	400 U	370 U
HEXACHLOROCYCLOPENTADIENE	460 UJ	400 U	370 U
2,4,6-TRICHLOROPHENOL	460 U	400 U	370 U
2,4,5-TRICHLOROPHENOL	1100 U	990 U	940 U
2-CHLORONAPHTHALENE	460 U	400 U	370 U
2-NITROANILINE	1100 U	990 U	940 U
DIMETHYLPHTHALATE	460 U	400 U	370 U
ACENAPHTHYLENE	460 U	400 U	370 U
2,6-DINITROTOLUENE	460 U	400 U	370 U
3-NITROANILINE	1100 U	990 U	940 U
ACENAPHTHENE	460 U	400 U	370 U
2,4-DINITROPHENOL	1100 U	990 U	940 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB02-00D	36-OF-SB02-00D	36-OF-SB05-00D
DATE SAMPLED	02/25/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont			
4-NITROPHENOL	1100 U	990 U	940 U
DIBENZOFURAN	460 U	400 U	370 U
2,4-DINITROTOLUENE	460 U	400 U	370 U
DIETHYLPHTHALATE	460 U	400 U	370 U
4-CHLOROPHENYL-PHENYLETHER	460 U	400 U	370 U
FLUORENE	460 U	400 U	370 U
4-NITROANILINE	1100 U	990 U	940 U
4,6-DINITRO-2-METHYLPHENOL	1100 UJ	990 U	940 U
N-NITROSODIPHENYLAMINE (1)	460 U	400 U	370 U
4-BROMOPHENYL-PHENYLETHER	460 U	400 U	370 U
HEXACHLOROBENZENE	460 U	400 U	370 U
PENTACHLOROPHENOL	1100 U	990 U	940 U
PHENANTHRENE	460 U	400 U	370 U
ANTHRACENE	460 U	400 U	370 U
CARBAZOLE	460 U	400 U	370 U
DI-N-BUTYLPHTHALATE	1500 U	2500 U	1400 U
FLUORANTHENE	460 U	400 U	370 U
PYRENE	460 U	400 U	370 U
BUTYLBENZYLPHTHALATE	610	400 U	370 U
3,3'-DICHLOROBENZIDINE	460 U	400 U	370 U
BENZO(A)ANTHRACENE	460 U	400 U	370 U
CHRYSENE	460 U	400 U	370 U
BIS(2-ETHYLHEXYL)PHTHALATE	460 U	91 J	160 J
DI-N-OCTYL PHTHALATE	460 U	400 U	370 U
BENZO(B)FLUORANTHENE	460 U	400 U	370 U
BENZO(K)FLUORANTHENE	460 U	400 U	370 U
BENZO(A)PYRENE	460 U	400 U	370 U
INDENO(1,2,3-CD)PYRENE	460 U	400 U	370 U
DIBENZO(A,H)ANTHRACENE	460 U	400 U	370 U
BENZO(G,H,I)PERYLENE	460 U	400 U	370 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-OA-SB02-00D	36-OF-SB02-00D	36-OF-SB05-00D
DATE SAMPLED	02/25/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"
UNITS	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs			
ALPHA-BHC	2.3 U	2 UJ	1.9 UJ
BETA-BHC	2.3 U	2 UJ	1.9 UJ
DELTA-BHC	2.3 U	2 UJ	1.9 UJ
GAMMA-BHC (LINDANE)	2.3 U	2 UJ	1.9 UJ
HEPTACHLOR	2.3 U	2 UJ	1.9 UJ
ALDRIN	2.3 U	2 UJ	1.9 UJ
HEPTACHLOR EPOXIDE	2.3 U	2 UJ	1.9 UJ
ENDOSULFAN I	2.3 U	2 UJ	1.9 UJ
DIELDRIN	24	4.1 UJ	37 J
4,4'-DDE	140 J	66 J	190 J
ENDRIN	4.6 U	4.9 J	3.7 UJ
ENDOSULFAN II	4.6 U	4.1 UJ	3.7 UJ
4,4'-DDD	4.6 U	16 J	53 J
ENDOSULFAN SULFATE	4.6 U	4.1 UJ	3.7 UJ
4,4'-DDT	79 J	4.1 UJ	41 J
METHOXYCHLOR	23 UJ	20 UJ	19 UJ
ENDRIN KETONE	4.6 U	4.1 UJ	3.7 UJ
ENDRIN ALDEHYDE	4.6 U	4.1 UJ	3.7 UJ
ALPHA-CHLORDANE	2.3 U	2.8 J	1.9 UJ
GAMMA-CHLORDANE	2.3 U	2 J	1.9 UJ
TOXAPHENE	230 U	200 UJ	190 UJ
AROCLOR-1016	46 U	41 UJ	37 UJ
AROCLOR-1221	92 U	81 UJ	75 UJ
AROCLOR-1232	46 U	41 UJ	37 UJ
AROCLOR-1242	46 U	41 UJ	37 UJ
AROCLOR-1248	46 U	41 UJ	37 UJ
AROCLOR-1254	46 U	290 J	37 UJ
AROCLOR-1260	46 U	41 UJ	37 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	6-DAD-SB02-00D	36-FCA-SB04-00D	36-FCA-SB13-00D	36-FDA-SB04-00D	36-GW11-00D	36-OA-SB01B-00D
DATE SAMPLED	02/24/95	02/25/95	02/27/95	02/24/95	03/09/95	03/09/95
DEPTH	0-12"	0-12"	0-12"	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
TOTAL METALS						
ALUMINUM, TOTAL	3160	3970	3880	2620	2870	1480
ANTIMONY, TOTAL	2.8 UJ	4.4 UJ	4.2 R	3.7 UJ	4.4 UJ	3.6 UJ
ARSENIC, TOTAL	1.9	0.46 U	1.5	0.35 U	0.29 U	1 J
BARIUM, TOTAL	38.7	6.5	7.5	11.3	14.8	6.8
BERYLLIUM, TOTAL	0.08 U	0.19 U	0.18 U	0.16 U	0.19 U	0.16 U
CADMIUM, TOTAL	0.76 U	0.6 U	0.56 U	0.53 U	0.6 U	0.49 U
CALCIUM, TOTAL	1480	284	332 J	561	6030	11900
CHROMIUM, TOTAL	6.9 J	4.8	8.6 J	2.6	4	3.1
COBALT, TOTAL	0.6 U	0.64 U	0.63 U	0.54 U	0.64 U	0.52 U
COPPER, TOTAL	33.1	0.41 U	0.7	1.2 U	8.1	4.5
IRON, TOTAL	4770 J	2500	6410	1300	1840	1480
LEAD, TOTAL	81.4 J	7.6	5.1	9.8	36.1	16.3
MAGNESIUM, TOTAL	247	179	165	103	154	251
MANGANESE, TOTAL	76.2	5.6	5.7 J	12.1	26.3	9.6
MERCURY, TOTAL	2 J	0.11 U	0.12 U	0.11 U	0.1	0.09 U
NICKEL, TOTAL	3.8	2.3 U	2.7	2 U	2.3 U	1.9 U
POTASSIUM, TOTAL	191	216	275	124 U	155	121
SELENIUM, TOTAL	0.4 U	0.36 U	0.36 U	0.27 U	0.4 U	0.32 U
SILVER, TOTAL	0.65 U	0.64 R	0.6 U	0.54 U	0.64 U	0.52 U
SODIUM, TOTAL	38.2	19.7 U	16.5 U	13.3 U	44.8 U	27.1
THALLIUM, TOTAL	0.19 U	0.27 U	0.22 U	0.13 U	0.25 U	0.3 UJ
VANADIUM, TOTAL	10.7	8.8	12.9	4.5 U	5.6	3.5
ZINC, TOTAL	200	1.8	3.7	20.5	45.3	26.1

SITE 36, CAMP GEIGER AREA DUMP
SURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-OA-SB02-00D	36-OF-SB02-00D	36-OF-SB05-00D
DATE SAMPLED	02/25/95	02/21/95	02/21/95
DEPTH	0-12"	0-12"	0-12"
UNITS	MG/KG	MG/KG	MG/KG
TOTAL METALS			
ALUMINUM, TOTAL	3200	6820	3990
ANTIMONY, TOTAL	5.6 UJ	4.3 UJ	3.9 UJ
ARSENIC, TOTAL	2.2	0.84	0.76
BARIUM, TOTAL	19	32.2	20.5
BERYLLIUM, TOTAL	0.25 U	0.19 U	0.17 U
CADMIUM, TOTAL	0.76 U	0.58 U	0.52 U
CALCIUM, TOTAL	1710	22400	2120
CHROMIUM, TOTAL	3.5	9.1	4.8
COBALT, TOTAL	0.82 U	0.62 U	0.83 U
COPPER, TOTAL	2.1	38.8 J	18.7 J
IRON, TOTAL	4740	4820	5580
LEAD, TOTAL	31.2	60.7	39.5
MAGNESIUM, TOTAL	198	257	95.7
MANGANESE, TOTAL	70.5	53.7	26.8
MERCURY, TOTAL	0.12 U	0.49	0.21
NICKEL, TOTAL	3.2	3.7	2.5
POTASSIUM, TOTAL	187 U	208	128 U
SELENIUM, TOTAL	0.36	0.3 U	0.31 U
SILVER, TOTAL	0.82 R	1.1 J	0.56 UJ
SODIUM, TOTAL	45 U	49.2	23.5 U
THALLIUM, TOTAL	0.26 U	0.14 U	0.15 U
VANADIUM, TOTAL	11.5	9.9	5.3
ZINC, TOTAL	69.3	173 J	45.6 J

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-DAB-SB01-01D	36-FCA-SB08-01D	36-GS-SB05-01D	36-GS-SB05-03D
DATE SAMPLED	02/24/95	02/27/95	05/06/95	05/06/95
DEPTH	1-3'	1-3'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG
VOLATILES				
CHLOROMETHANE	11 U	12 U	11 U	12 U
BROMOMETHANE	11 U	12 U	11 U	12 U
VINYL CHLORIDE	11 U	12 U	11 U	12 U
CHLOROETHANE	11 U	12 U	11 U	12 U
METHYLENE CHLORIDE	11 U	12 U	11 U	12 U
ACETONE	74 U	26 U	11 U	12 U
CARBON DISULFIDE	11 U	12 U	11 U	12 U
1,1-DICHLOROETHENE	11 U	12 U	11 U	12 U
1,1-DICHLOROETHANE	11 U	12 U	11 U	12 U
1,2-DICHLOROETHENE (TOTAL)	11 U	12 U	11 U	12 U
CHLOROFORM	11 U	12 U	11 U	12 U
1,2-DICHLOROETHANE	11 U	12 U	11 U	12 U
2-BUTANONE	11 U	12 U	11 U	12 U
1,1,1-TRICHLOROETHANE	11 U	12 U	11 U	12 U
CARBON TETRACHLORIDE	11 U	12 U	11 U	12 U
BROMODICHLOROMETHANE	11 U	12 U	11 U	12 U
1,2-DICHLOROPROPANE	11 U	12 U	11 U	12 U
CIS-1,3-DICHLOROPROPENE	11 U	12 U	11 U	12 U
TRICHLOROETHENE	11 U	12 U	11 U	12 U
DIBROMOCHLOROMETHANE	11 U	12 U	11 U	12 U
1,1,2-TRICHLOROETHANE	11 U	12 U	11 U	12 U
BENZENE	11 U	12 U	11 U	12 U
TRANS-1,3-DICHLOROPROPENE	11 U	12 U	11 U	12 U
BROMOFORM	11 U	12 U	11 U	12 U
4-METHYL-2-PENTANONE	11 U	12 U	11 U	12 U
2-HEXANONE	11 U	12 U	11 U	12 U
TETRACHLOROETHENE	11 U	12 U	11 U	12 U
1,1,2,2-TETRACHLOROETHANE	11 U	12 U	11 U	12 U
TOLUENE	11 U	12 U	11 U	12 U
CHLOROBENZENE	11 U	12 U	11 U	12 U
ETHYLBENZENE	11 U	12 U	11 U	12 U
STYRENE	11 U	12 U	11 U	12 U
XYLENE (TOTAL)	11 U	12 U	11 U	12 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-DAB-SB01-01D	36-FCA-SB08-01D	36-GS-SB05-01D	36-GS-SB05-03D
DATE SAMPLED	02/24/95	02/27/95	05/06/95	05/06/95
DEPTH	1-3'	1-3'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES				
PHENOL	370 R	390 U	360 U	380 U
BIS(2-CHLOROETHYL)ETHER	370 R	390 U	360 U	380 U
2-CHLOROPHENOL	370 R	390 U	360 U	380 U
1,3-DICHLOROBENZENE	370 R	390 U	360 U	380 U
1,4-DICHLOROBENZENE	370 R	390 U	360 U	380 U
1,2-DICHLOROBENZENE	370 R	390 U	360 U	380 U
2-METHYLPHENOL	1000 R	390 U	360 U	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)	370 R	390 U	360 U	380 U
4-METHYLPHENOL	370 R	390 U	360 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	370 R	390 U	360 U	380 U
HEXACHLOROETHANE	370 R	390 U	360 U	380 U
NITROBENZENE	370 R	390 U	360 U	380 U
ISOPHORONE	390 J	390 U	360 U	380 U
2-NITROPHENOL	370 R	390 U	360 U	380 U
2,4-DIMETHYLPHENOL	370 R	390 U	360 U	380 U
BIS(2-CHLOROETHOXY)METHANE	370 R	390 U	360 U	380 U
2,4-DICHLOROPHENOL	370 R	390 U	360 U	380 U
1,2,4-TRICHLOROBENZENE	370 R	390 U	360 U	380 U
NAPHTHALENE	370 R	390 U	360 U	380 U
4-CHLOROANILINE	370 R	390 U	360 U	380 U
HEXACHLOROBUTADIENE	370 R	390 U	360 U	380 U
4-CHLORO-3-METHYLPHENOL	370 R	390 U	360 U	380 U
2-METHYLNAPHTHALENE	370 R	390 U	360 U	380 U
HEXACHLOROCYCLOPENTADIENE	370 R	390 UJ	360 U	380 U
2,4,6-TRICHLOROPHENOL	370 R	390 U	360 U	380 U
2,4,5-TRICHLOROPHENOL	930 R	980 U	900 U	960 U
2-CHLORONAPHTHALENE	370 R	390 U	360 U	380 U
2-NITROANILINE	930 R	980 U	900 U	960 U
DIMETHYLPHTHALATE	370 R	390 U	360 U	380 U
ACENAPHTHYLENE	370 R	390 U	360 U	380 U
2,6-DINITROTOLUENE	370 R	390 U	360 U	380 U
3-NITROANILINE	930 R	980 U	900 U	960 U
ACENAPHTHENE	370 R	390 U	360 U	380 U
2,4-DINITROPHENOL	930 R	980 U	900 U	960 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-DAB-SB01-01D	36-FCA-SB08-01D	36-GS-SB05-01D	36-GS-SB05-03D
DATE SAMPLED	02/24/95	02/27/95	05/06/95	05/06/95
DEPTH	1-3'	1-3'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG
SEMIVOLATILES cont.				
4-NITROPHENOL	930 R	980 U	900 U	960 U
DIBENZOFURAN	370 R	390 U	360 U	380 U
2,4-DINITROTOLUENE	370 R	390 U	360 U	380 U
DIETHYLPHTHALATE	310 J	390 U	360 U	380 U
4-CHLOROPHENYL-PHENYLETHER	370 R	390 U	360 U	380 U
FLUORENE	370 R	390 U	360 U	380 U
4-NITROANILINE	930 R	980 U	900 U	960 U
4,6-DINITRO-2-METHYLPHENOL	930 R	980 U	900 U	960 U
N-NITROSODIPHENYLAMINE (1)	370 R	390 U	360 U	380 U
4-BROMOPHENYL-PHENYLETHER	370 R	390 U	360 U	380 U
HEXACHLOROBENZENE	370 R	390 U	360 U	380 U
PENTACHLOROPHENOL	930 R	980 U	900 U	960 U
PHENANTHRENE	370 R	390 U	360 U	380 U
ANTHRACENE	370 R	390 U	360 U	380 U
CARBAZOLE	370 R	390 U	360 U	380 U
DI-N-BUTYLPHTHALATE	370 U	390 U	2300 U	400 U
FLUORANTHENE	370 R	390 U	360 U	380 U
PYRENE	370 R	390 U	360 U	380 U
BUTYLBENZYLPHTHALATE	370 R	390 U	360 U	380 U
3,3'-DICHLOROBENZIDINE	370 R	390 U	360 U	380 U
BENZO(A)ANTHRACENE	370 R	390 U	360 U	380 U
CHRYSENE	370 R	390 U	360 U	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	390 U	360 U	380 U
DI-N-OCTYL PHTHALATE	370 R	390 U	360 U	380 U
BENZO(B)FLUORANTHENE	370 R	390 U	360 U	380 U
BENZO(K)FLUORANTHENE	370 R	390 U	360 U	380 U
BENZO(A)PYRENE	370 R	390 U	360 U	380 U
INDENO(1,2,3-CD)PYRENE	370 R	390 U	360 U	380 U
DIBENZO(A,H)ANTHRACENE	370 R	390 U	360 U	380 U
BENZO(G,H,I)PERYLENE	370 R	390 U	360 U	380 U

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	6-DAB-SB01-01D	36-FCA-SB08-01D	36-GS-SB05-01D	36-GS-SB05-03D
DATE SAMPLED	02/24/95	02/27/95	05/06/95	05/06/95
DEPTH	1-3'	1-3'	1-3'	5-7'
UNITS	UG/KG	UG/KG	UG/KG	UG/KG
PESTICIDES/PCBs				
ALPHA-BHC	1.9 U	1.9 U	NA	NA
BETA-BHC	1.9 U	1.9 U	NA	NA
DELTA-BHC	1.9 U	1.9 U	NA	NA
GAMMA-BHC (LINDANE)	1.9 U	1.9 U	NA	NA
HEPTACHLOR	1.9 U	1.9 U	NA	NA
ALDRIN	2.6	1.9 U	NA	NA
HEPTACHLOR EPOXIDE	1.9 U	1.9 U	NA	NA
ENDOSULFAN I	1.9 U	1.9 U	NA	NA
DIELDRIN	11 J	3.9 U	NA	NA
4,4'-DDE	96	3.9 U	NA	NA
ENDRIN	3.7 U	3.9 U	NA	NA
ENDOSULFAN II	3.7 U	3.9 U	NA	NA
4,4'-DDD	23	3.9 U	NA	NA
ENDOSULFAN SULFATE	3.7 U	3.9 U	NA	NA
4,4'-DDT	21	3.9 U	NA	NA
METHOXYCHLOR	19 U	19 UJ	NA	NA
ENDRIN KETONE	3.7 U	3.9 U	NA	NA
ENDRIN ALDEHYDE	3.7 U	3.9 U	NA	NA
ALPHA-CHLORDANE	1.9 U	1.9 U	NA	NA
GAMMA-CHLORDANE	1.9 U	1.9 U	NA	NA
TOXAPHENE	190 U	190 U	NA	NA
AROCLOR-1016	37 U	39 U	NA	NA
AROCLOR-1221	74 U	78 U	NA	NA
AROCLOR-1232	37 U	39 U	NA	NA
AROCLOR-1242	37 U	39 U	NA	NA
AROCLOR-1248	37 U	39 U	NA	NA
AROCLOR-1254	37 U	39 U	NA	NA
AROCLOR-1260	37 U	39 U	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SUBSURFACE SOIL - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-DAB-SB01-01D	36-FCA-SB08-01D
DATE SAMPLED	02/24/95	02/27/95
DEPTH	1-3'	1-3'
UNITS	MG/KG	MG/KG
TOTAL METALS		
ALUMINUM, TOTAL	3600	3710
ANTIMONY, TOTAL	2.3 UJ	4 R
ARSENIC, TOTAL	1.4	0.32 U
BARIUM, TOTAL	67.9	6.3
BERYLLIUM, TOTAL	0.064 U	0.17 U
CADMIUM, TOTAL	0.62 U	0.54 U
CALCIUM, TOTAL	754	64.2 J
CHROMIUM, TOTAL	9.3 J	3.5 J
COBALT, TOTAL	0.49 U	0.58 U
COPPER, TOTAL	34	0.37 U
IRON, TOTAL	4880 J	1970
LEAD, TOTAL	259	7.1
MAGNESIUM, TOTAL	152	164
MANGANESE, TOTAL	69.5	3.5 J
MERCURY, TOTAL	1.6 J	0.1 U
NICKEL, TOTAL	4.1	2.1 U
POTASSIUM, TOTAL	104	133 U
SELENIUM, TOTAL	0.33 U	0.36 U
SILVER, TOTAL	0.53 U	0.58 U
SODIUM, TOTAL	251	28 U
THALLIUM, TOTAL	0.15 U	0.22 U
VANADIUM, TOTAL	6.6	2.3 U
ZINC, TOTAL	225	1.6

GROUNDWATER

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW02-01D	36-GW06-01D	36-GW10IW-01D
DATE SAMPLED	03/27/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L
VOLATILES			
CHLOROMETHANE	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	31 J
CHLOROFORM	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	73
DIBROMOCHLOROMETHANE	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10
TOLUENE	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW02-01D	36-GW06-01D	36-GW10IW-01D
DATE SAMPLED	03/27/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L
SEMIVOLATILES			
PHENOL	10 U	10 U	NA
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	NA
2-CHLOROPHENOL	10 U	10 U	NA
1,3-DICHLOROBENZENE	10 U	10 U	NA
1,4-DICHLOROBENZENE	10 U	10 U	NA
1,2-DICHLOROBENZENE	10 U	10 U	NA
2-METHYLPHENOL	10 U	10 U	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	10 R	10 U	NA
4-METHYLPHENOL	10 U	10 U	NA
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	NA
HEXACHLOROETHANE	10 U	10 U	NA
NITROBENZENE	10 U	10 U	NA
ISOPHORONE	10 U	10 U	NA
2-NITROPHENOL	10 U	10 U	NA
2,4-DIMETHYLPHENOL	10 U	10 U	NA
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	NA
2,4-DICHLOROPHENOL	10 U	10 U	NA
1,2,4-TRICHLOROBENZENE	10 U	10 U	NA
NAPHTHALENE	10 U	10 U	NA
4-CHLOROANILINE	10 U	10 U	NA
HEXACHLOROBUTADIENE	10 U	10 U	NA
4-CHLORO-3-METHYLPHENOL	10 U	10 U	NA
2-METHYLNAPHTHALENE	10 U	10 U	NA
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	NA
2,4,6-TRICHLOROPHENOL	10 U	10 U	NA
2,4,5-TRICHLOROPHENOL	24 U	24 U	NA
2-CHLORONAPHTHALENE	10 U	10 U	NA
2-NITROANILINE	24 U	24 U	NA
DIMETHYLPHTHALATE	10 U	10 U	NA
ACENAPHTHYLENE	10 U	10 U	NA
2,6-DINITROTOLUENE	10 U	10 U	NA
3-NITROANILINE	24 U	24 U	NA
ACENAPHTHENE	10 U	10 U	NA
2,4-DINITROPHENOL	24 UJ	24 U	NA
4-NITROPHENOL	24 U	24 U	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW02-01D	36-GW06-01D	36-GW10IW-01D
DATE SAMPLED	03/27/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L
SEMIVOLATILES cont.			
DIBENZOFURAN	10 U	10 U	NA
2,4-DINITROTOLUENE	10 U	10 U	NA
DIETHYLPHTHALATE	10 U	10 U	NA
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	NA
FLUORENE	10 U	10 U	NA
4-NITROANILINE	24 U	24 U	NA
4,6-DINITRO-2-METHYLPHENOL	24 U	24 U	NA
N-NITROSODIPHENYLAMINE (1)	10 U	10 U	NA
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	NA
HEXACHLOROBENZENE	10 U	10 U	NA
PENTACHLOROPHENOL	24 U	24 U	NA
PHENANTHRENE	10 U	10 U	NA
ANTHRACENE	10 U	10 U	NA
CARBAZOLE	10 U	10 U	NA
DI-N-BUTYLPHTHALATE	10 U	10 U	NA
FLUORANTHENE	10 U	10 U	NA
PYRENE	10 U	10 U	NA
BUTYLBENZYLPHTHALATE	10 U	10 U	NA
3,3'-DICHLOROBENZIDINE	10 U	10 U	NA
BENZO(A)ANTHRACENE	10 U	10 U	NA
CHRYSENE	10 U	10 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	1 J	NA
DI-N-OCTYL PHTHALATE	10 U	10 U	NA
BENZO(B)FLUORANTHENE	10 U	10 U	NA
BENZO(K)FLUORANTHENE	10 U	10 U	NA
BENZO(A)PYRENE	10 U	10 U	NA
INDENO(1,2,3-CD)PYRENE	10 U	10 U	NA
DIBENZO(A,H)ANTHRACENE	10 U	10 U	NA
BENZO(G,H,I)PERYLENE	10 U	10 U	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GW02-01D	36-GW06-01D	36-GW10IW-01D
DATE SAMPLED	03/27/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L
PESTICIDES/PCBs			
ALPHA-BHC	0.048 UJ	0.048 UJ	NA
BETA-BHC	0.048 UJ	0.048 UJ	NA
DELTA-BHC	0.048 UJ	0.048 UJ	NA
GAMMA-BHC (LINDANE)	0.048 UJ	0.048 UJ	NA
HEPTACHLOR	0.048 UJ	0.048 UJ	NA
ALDRIN	0.048 UJ	0.048 UJ	NA
HEPTACHLOR EPOXIDE	0.048 UJ	0.048 UJ	NA
ENDOSULFAN I	0.048 UJ	0.048 UJ	NA
DIELDRIN	0.095 UJ	0.096 UJ	NA
4,4'-DDE	0.095 UJ	0.096 UJ	NA
ENDRIN	0.095 UJ	0.096 UJ	NA
ENDOSULFAN II	0.095 UJ	0.096 UJ	NA
4,4'-DDD	0.095 UJ	0.096 UJ	NA
ENDOSULFAN SULFATE	0.095 UJ	0.096 UJ	NA
4,4'-DDT	0.095 UJ	0.096 UJ	NA
METHOXYCHLOR	0.48 UJ	0.48 UJ	NA
ENDRIN KETONE	0.095 UJ	0.096 UJ	NA
ENDRIN ALDEHYDE	0.095 UJ	0.096 UJ	NA
ALPHA-CHLORDANE	0.048 UJ	0.048 UJ	NA
GAMMA-CHLORDANE	0.048 UJ	0.048 UJ	NA
TOXAPHENE	4.8 UJ	4.8 UJ	NA
AROCLOR-1016	0.95 UJ	0.96 UJ	NA
AROCLOR-1221	1.9 UJ	1.9 UJ	NA
AROCLOR-1232	0.95 UJ	0.96 UJ	NA
AROCLOR-1242	0.95 UJ	0.96 UJ	NA
AROCLOR-1248	0.95 UJ	0.96 UJ	NA
AROCLOR-1254	0.95 UJ	0.96 UJ	NA
AROCLOR-1260	0.95 UJ	0.96 UJ	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-GW02-01D	36-GW06-01D	36-GW10IW-01D
DATE SAMPLED	03/27/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L
TOTAL METALS			
ALUMINUM, TOTAL	65.4 U	620	73.9 U
ANTIMONY, TOTAL	20.7 U	13	12 U
ARSENIC, TOTAL	3.3	1.9 U	1.5 U
BARIUM, TOTAL	71	63.6	27.4
BERYLLIUM, TOTAL	0.9 U	0.76 U	0.3 U
CADMIUM, TOTAL	2.8 U	2.9 U	3.9 U
CALCIUM, TOTAL	94600	6220	157000
CHROMIUM, TOTAL	2.9 U	4.7 U	5.3
COBALT, TOTAL	3 U	2.3 U	2 U
COPPER, TOTAL	1.9 U	4 U	1.8 U
IRON, TOTAL	17300 J	4970	82.8
LEAD, TOTAL	1.6 U	1.6 U	1.2 U
MAGNESIUM, TOTAL	29700	2720	11100
MANGANESE, TOTAL	463	22.9	90
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	10.8 U	4.2 U	5.4 U
POTASSIUM, TOTAL	37700	964	3810
SELENIUM, TOTAL	1.4 U	1.5 U	1.8 UJ
SILVER, TOTAL	3 U	2.5 U	1.9 U
SODIUM, TOTAL	47500	11900	40100
THALLIUM, TOTAL	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	2.3 U	2.1 U	5.4 U
ZINC, TOTAL	3.8 U	1.9 U	3.6 U

SURFACE WATER

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW05D
DATE SAMPLED	04/18/94
UNITS	UG/L
VOLATILES	
Chloromethane	10 UJ
Bromomethane	10 UJ
Vinyl Chloride	10 UJ
Chloroethane	10 UJ
Methylene Chloride	10 UJ
Acetone	10 UJ
Carbon Disulfide	10 UJ
1,1-Dichloroethene	10 UJ
1,1-Dichloroethane	10 UJ
1,2-Dichloroethene (total)	10 UJ
Chloroform	10 UJ
1,2-Dichloroethane	10 UJ
2-Butanone	10 UJ
1,1,1-Trichloroethane	10 UJ
Carbon Tetrachloride	10 UJ
Bromodichloromethane	10 UJ
1,2-Dichloropropane	10 UJ
cis-1,3-Dichloropropene	10 UJ
Trichloroethene	10 UJ
Dibromochloromethane	10 UJ
1,1,2-Trichloroethane	10 UJ
Benzene	10 UJ
trans-1,3-Dichloropropene	10 UJ
Bromoform	10 UJ
4-Methyl-2-Pentanone	10 UJ
2-Hexanone	10 UJ
Tetrachloroethene	10 UJ
1,1,2,2-Tetrachloroethane	10 UJ
Toluene	10 UJ
Chlorobenzene	10 UJ
Ethylbenzene	10 UJ
Styrene	10 UJ
Xylene (total)	10 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW05D
DATE SAMPLED	04/18/94
UNITS	UG/L
SEMIVOLATILES	
Phenol	10 UJ
bis(2-Chloroethyl)ether	10 U
2-Chlorophenol	10 U
1,3-Dichlorobenzene	10 U
1,4-Dichlorobenzene	10 U
1,2-Dichlorobenzene	10 U
2-Methylphenol	10 U
2,2'-oxybis(1-Chloropropane)	10 U
4-Methylphenol	10 U
N-Nitroso-di-n-propylamine	10 U
Hexachloroethane	10 U
Nitrobenzene	10 U
Isophorone	10 U
2-Nitrophenol	10 U
2,4-Dimethylphenol	10 U
bis(2-Chloroethoxy)methane	10 U
2,4-Dichlorophenol	10 U
1,2,4-Trichlorobenzene	10 U
Naphthalene	10 U
4-Chloroaniline	10 U
Hexachlorobutadiene	10 U
4-Chloro-3-methylphenol	10 U
2-Methylnaphthalene	10 U
Hexachlorocyclopentadiene	10 U
2,4,6-Trichlorophenol	10 U
2,4,5-Trichlorophenol	25 U
2-Chloronaphthalene	10 U
2-Nitroaniline	25 U
Dimethylphthalate	10 UJ
Acenaphthylene	10 U
2,6-Dinitrotoluene	10 U
3-Nitroaniline	25 U
Acenaphthene	10 U
2,4-Dinitrophenol	25 U
Dibenzofuran	10 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW05D
DATE SAMPLED	04/18/94
UNITS	UG/L
SEMIVOLATILES cont.	
4-Nitrophenol	10 UJ
2,4-Dinitrotoluene	10 U
Diethylphthalate	10 U
Fluorene	10 U
4-Chlorophenyl-phenylether	10 U
4-Nitroaniline	25 U
4,6-Dinitro-2-methylphenol	25 U
N-Nitrosodiphenylamine	10 UJ
4-Bromophenyl-phenylether	10 U
Hexachlorobenzene	10 U
Pentachlorophenol	25 U
Phenanthrene	10 U
Anthracene	10 U
Carbazole	10 U
Di-n-butylphthalate	10 U
Fluoranthene	10 U
Pyrene	10 U
Butylbenzylphthalate	10 UJ
Benzo(a)anthracene	10 U
3,3'-Dichlorobenzidine	10 U
Chrysene	10 UJ
bis(2-Ethylhexyl)phthalate	10 UJ
Di-n-octylphthalate	10 U
Benzo(b)fluoranthene	10 U
Benzo(k)fluoranthene	10 U
Benzo(a)pyrene	10 U
Indeno(1,2,3-cd)pyrene	10 U
Dibenz(a,h)anthracene	10 U
Benzo(g,h,i)perylene	10 U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SW05D
DATE SAMPLED	04/18/94
UNITS	UG/L
PESTICIDES/PCBs	
alpha-BHC	0.05 UJ
beta-BHC	0.05 UJ
delta-BHC	0.05 UJ
gamma-BHC (Lindane)	0.05 UJ
Heptachlor	0.05 UJ
Aldrin	0.05 UJ
Heptachlor epoxide	0.05 UJ
Endosulfan I	0.05 UJ
Dieldrin	0.1 UJ
4,4'-DDE	0.1 UJ
Endrin	0.1 UJ
Endosulfan II	0.1 UJ
4,4'-DDD	0.1 UJ
Endosulfan sulfate	0.1 UJ
4,4'-DDT	0.1 UJ
Methoxychlor	0.50 U
Endrin ketone	0.1 UJ
Endrin aldehyde	0.1 UJ
alpha-Chlordane	0.16 J
gamma-Chlordane	0.05 UJ
Toxaphene	5 UJ
Aroclor-1016	1 UJ
Aroclor-1221	2 UJ
Aroclor-1232	1 UJ
Aroclor-1242	1 UJ
Aroclor-1248	1 UJ
Aroclor-1254	1 UJ
Aroclor-1260	1 UJ

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SW05D	
DATE SAMPLED	04/18/94	
UNITS	UG/L	
TOTAL METALS		
ALUMINUM, SOLUBLE	1	U
ANTIMONY, SOLUBLE	6.8	J
ARSENIC, SOLUBLE	1	U
BARIUM, SOLUBLE	17.4	U
BERYLLIUM, SOLUBLE	1	U
CADMIUM, SOLUBLE	1	U
CALCIUM, SOLUBLE	41400	
CHROMIUM, SOLUBLE	2.4	U
COBALT, SOLUBLE	9	U
COPPER, SOLUBLE	4.9	U
IRON, SOLUBLE	751	J
LEAD, SOLUBLE	2	U
MAGNESIUM, SOLUBLE	18400	
MANGANESE, SOLUBLE	25.7	
MERCURY, SOLUBLE	0.36	U
NICKEL, SOLUBLE	22.8	
POTASSIUM, SOLUBLE	8380	
SELENIUM, SOLUBLE	1	U
SILVER, SOLUBLE	1.3	U
SODIUM, SOLUBLE	106500	
THALLIUM, SOLUBLE	1	UJ
VANADIUM, SOLUBLE	9.7	
ZINC, SOLUBLE	9.5	U

SITE 36, CAMP GEIGER AREA DUMP
SURFACE WATER - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED INORGANIC ANALYTES

LOCATION	36-DSW05D	
DATE SAMPLED	05/05/95	
UNITS	UG/L	
DISSOLVED METALS		
ALUMINUM, SOLUBLE	21.2	U
ANTIMONY, SOLUBLE	20.8	U
ARSENIC, SOLUBLE	1.7	U
BARIUM, SOLUBLE	25.8	
BERYLLIUM, SOLUBLE	0.8	U
CADMIUM, SOLUBLE	1.9	U
CALCIUM, SOLUBLE	111000	
CHROMIUM, SOLUBLE	4.1	U
COBALT, SOLUBLE	3.4	U
COPPER, SOLUBLE	1.8	U
IRON, SOLUBLE	36.6	U
LEAD, SOLUBLE	0.8	UJ
MAGNESIUM, SOLUBLE	280000	
MANGANESE, SOLUBLE	26.3	
MERCURY, SOLUBLE	0.2	U
NICKEL, SOLUBLE	10.9	U
POTASSIUM, SOLUBLE	99400	J
SELENIUM, SOLUBLE	1.8	UJ
SILVER, SOLUBLE	2.8	U
SODIUM, SOLUBLE	2280000	
THALLIUM, SOLUBLE	0.7	UJ
VANADIUM, SOLUBLE	2.9	
ZINC, SOLUBLE	6	U

SEDIMENT

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD02-06D	36-SD05-06D
DATE SAMPLED	05/17/94	05/18/94
UNITS	UG/KG	UG/KG
VOLATILES		
Chloromethane	14 U	25 U
Bromomethane	14 U	25 UJ
Vinyl Chloride	14 U	25 U
Chloroethane	14 U	25 U
Methylene Chloride	14 U	25 U
Acetone	14 UJ	25 UJ
Carbon Disulfide	14 R	25 UJ
1,1-Dichloroethene	14 U	25 U
1,1-Dichloroethane	14 U	25 U
1,2-Dichloroethene (total)	14 U	25 U
Chloroform	14 U	25 U
1,2-Dichloroethane	14 U	25 U
2-Butanone	14 U	25 UJ
1,1,1-Trichloroethane	14 U	25 U
Carbon Tetrachloride	14 U	25 U
Bromodichloromethane	14 U	25 U
1,2-Dichloropropane	14 U	25 U
cis-1,3-Dichloropropene	14 U	25 U
Trichloroethene	14 U	25 U
Dibromochloromethane	14 U	25 U
1,1,2-Trichloroethane	14 U	25 U
Benzene	14 U	25 U
trans-1,3-Dichloropropene	14 U	25 U
Bromoform	14 U	25 U
4-Methyl-2-Pentanone	14 U	25 UJ
2-Hexanone	14 U	25 UJ
Tetrachloroethene	14 U	25 U
1,1,2,2-Tetrachloroethane	14 U	25 U
Toluene	14 U	25 U
Chlorobenzene	14 U	25 U
Ethylbenzene	14 U	25 U
Styrene	14 UJ	25 U
Xylene (total)	14 U	25 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD02-06D	36-SD05-06D
DATE SAMPLED	05/17/94	05/18/94
UNITS	UG/KG	UG/KG
SEMIVOLATILES		
Phenol	446 U	838 U
bis(2-Chloroethyl)ether	446 UJ	838 UJ
2-Chlorophenol	446 U	838 U
1,3-Dichlorobenzene	446 U	838 U
1,4-Dichlorobenzene	446 U	838 U
1,2-Dichlorobenzene	446 U	838 U
2-Methylphenol	446 U	838 U
2,2'-oxybis(1-Chloropropane)	446 U	838 U
4-Methylphenol	446 U	838 U
N-Nitroso-di-n-propylamine	446 U	838 U
Hexachloroethane	446 U	838 U
Nitrobenzene	446 U	838 U
Isophorone	446 UJ	838 UJ
2-Nitrophenol	446 U	838 U
2,4-Dimethylphenol	446 U	838 U
bis(2-Chloroethoxy)methane	446 U	838 U
2,4-Dichlorophenol	446 U	838 U
1,2,4-Trichlorobenzene	446 U	838 U
Naphthalene	446 U	838 U
4-Chloroaniline	446 UJ	838 UJ
Hexachlorobutadiene	446 U	838 U
4-Chloro-3-methylphenol	446 U	838 U
2-Methylnaphthalene	446 U	838 U
Hexachlorocyclopentadiene	446 U	838 U
2,4,6-Trichlorophenol	446 U	838 U
2,4,5-Trichlorophenol	1081 U	2030 U
2-Chloronaphthalene	446 U	838 U
2-Nitroaniline	1081 U	2030 U
Dimethylphthalate	446 U	838 U
Acenaphthylene	446 U	838 U
2,6-Dinitrotoluene	446 UJ	838 UJ
3-Nitroaniline	1081 UJ	2030 UJ
Acenaphthene	446 U	838 U
2,4-Dinitrophenol	1081 U	2030 UJ
Dibenzofuran	446 U	838 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD02-06D	36-SD05-06D
DATE SAMPLED	05/17/94	05/18/94
UNITS	UG/KG	UG/KG
SEMIVOLATILES cont.		
4-Nitrophenol	446 UJ	838 UJ
2,4-Dinitrotoluene	446 U	838 U
Diethylphthalate	346 J	838 UJ
Fluorene	446 U	838 U
4-Chlorophenyl-phenylether	446 U	838 U
4-Nitroaniline	1081 U	2030 UJ
4,6-Dinitro-2-methylphenol	1081 U	2030 U
N-Nitrosodiphenylamine	446 U	838 U
4-Bromophenyl-phenylether	446 U	838 U
Hexachlorobenzene	446 U	838 U
Pentachlorophenol	1081 U	2030 U
Phenanthrene	446 U	838 U
Anthracene	446 U	838 U
Carbazole	446 U	838 U
Di-n-butylphthalate	446 U	838 U
Fluoranthene	446 U	838 U
Pyrene	446 UJ	838 U
Butylbenzylphthalate	446 UJ	838 U
Benzo(a)anthracene	446 UJ	838 U
3,3'-Dichlorobenzidine	446 UJ	838 UJ
Chrysene	446 UJ	838 U
bis(2-Ethylhexyl)phthalate	432 J	838 UJ
Di-n-octylphthalate	446 UJ	838 U
Benzo(b)fluoranthene	446 UJ	838 U
Benzo(k)fluoranthene	446 UJ	838 U
Benzo(a)pyrene	446 UJ	838 U
Indeno(1,2,3-cd)pyrene	446 UJ	838 U
Dibenz(a,h)anthracene	446 UJ	838 U
Benzo(g,h,i)perylene	446 UJ	838 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-SD02-06D	36-SD05-06D
DATE SAMPLED	05/17/94	05/18/94
UNITS	UG/KG	UG/KG
PESTICIDES/PCBs		
alpha-BHC	23 U	24 U
beta-BHC	23 U	24 U
delta-BHC	23 U	24 U
gamma-BHC (Lindane)	23 U	24 U
Heptachlor	23 U	24 U
Aldrin	23 U	24 U
Heptachlor epoxide	23 U	24 U
Endosulfan I	23 U	24 U
Dieldrin	45 U	47 U
4,4'-DDE	154 J	196 J
Endrin	23 U	24 U
Endosulfan II	45 U	47 U
4,4'-DDD	184	222 J
Endosulfan sulfate	45 U	47 U
4,4'-DDT	45 U	15 J
Methoxychlor	231 U	243 U
Endrin ketone	45 U	47 U
Endrin aldehyde	45 U	14 J
alpha-Chlordane	23 U	24 U
gamma-Chlordane	23 U	24 U
Toxaphene	2310 U	2430 U
Aroclor-1016	448 U	471 U
Aroclor-1221	910 U	957 U
Aroclor-1232	448 U	471 U
Aroclor-1242	448 U	471 U
Aroclor-1248	448 U	471 U
Aroclor-1254	448 U	471 U
Aroclor-1260	448 U	471 U

SITE 36, CAMP GEIGER AREA DUMP
SEDIMENT - DUPLICATE SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	36-SD02-06D	36-SD05-06D
DATE SAMPLED	05/17/94	05/18/94
UNITS	MG/KG	MG/KG
TOTAL METALS		
Aluminum	3990	4260
Antimony	6.2 UJ	11.7 UJ
Arsenic	2.1 J	3 J
Barium	17.5	8.4
Beryllium	0.14 U	0.25 U
Cadmium	0.92 U	0.29 U
Calcium	3530 J	2010 J
Chromium	18.2	6.3
Cobalt	1.5 U	2.8 U
Copper	8	11.4
Iron	4630	5270
Lead	77.4 J	29.7
Magnesium	238	1220
Manganese	7.2	14.2
Mercury	0.28 R	0.62 R
Nickel	2	10.1
Potassium	332 U	619 U
Selenium	0.24 U	0.79 U
Silver	0.41 U	0.76 U
Sodium	322 U	2330
Thallium	0.2	0.38
Vanadium	18.4	18
Zinc	63.3 R	52.2 R

APPENDIX K
QA/QC SAMPLING SUMMARIES

SOIL

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-FB-01	303-TB-01	303-TB-02	303-TB-03	303-TB-04	303-TB-05
DATE SAMPLED	02/28/95	02/22/95	02/22/95	02/24/95	02/25/95	02/26/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U	17 J
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	13	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	22	20	18	17	18
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	13	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-FB-01	303-TB-01	303-TB-02	303-TB-03	303-TB-04	303-TB-05
DATE SAMPLED	02/28/95	02/22/95	02/22/95	02/24/95	02/25/95	02/26/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	11 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	11 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	11 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	11 U	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	11 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	11 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	11 U	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	11 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	11 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	11 U	NA	NA	NA	NA	NA
NITROBENZENE	11 U	NA	NA	NA	NA	NA
ISOPHORONE	11 U	NA	NA	NA	NA	NA
2-NITROPHENOL	11 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	11 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	11 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	11 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	11 U	NA	NA	NA	NA	NA
NAPHTHALENE	11 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	11 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	11 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	11 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	11 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	11 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	11 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	27 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	11 U	NA	NA	NA	NA	NA
2-NITROANILINE	27 U	NA	NA	NA	NA	NA
DIMETHYLPHTHALATE	11 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	11 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	11 U	NA	NA	NA	NA	NA
3-NITROANILINE	27 U	NA	NA	NA	NA	NA
ACENAPHTHENE	11 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	27 U	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-FB-01	303-TB-01	303-TB-02	303-TB-03	303-TB-04	303-TB-05
DATE SAMPLED	02/28/95	02/22/95	02/22/95	02/24/95	02/25/95	02/26/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	27 U	NA	NA	NA	NA	NA
DIBENZOFURAN	11 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	11 U	NA	NA	NA	NA	NA
DIETHYLPHTHALATE	11 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	11 U	NA	NA	NA	NA	NA
FLUORENE	11 U	NA	NA	NA	NA	NA
4-NITROANILINE	27 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	27 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	11 U	NA	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	11 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	11 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	27 U	NA	NA	NA	NA	NA
PHENANTHRENE	11 U	NA	NA	NA	NA	NA
ANTHRACENE	11 U	NA	NA	NA	NA	NA
CARBAZOLE	11 U	NA	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	11 U	NA	NA	NA	NA	NA
FLUORANTHENE	11 U	NA	NA	NA	NA	NA
PYRENE	11 U	NA	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	11 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	11 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	11 U	NA	NA	NA	NA	NA
CHRYSENE	11 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	11 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	11 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	11 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	11 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	11 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	11 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	11 U	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	11 U	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-FB-01	303-TB-01	303-TB-02	303-TB-03	303-TB-04	303-TB-05
DATE SAMPLED	02/28/95	02/22/95	02/22/95	02/24/95	02/25/95	02/26/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCBs						
ALPHA-BHC	0.052 U	NA	NA	NA	NA	NA
BETA-BHC	0.052 U	NA	NA	NA	NA	NA
DELTA-BHC	0.052 U	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	0.052 U	NA	NA	NA	NA	NA
HEPTACHLOR	0.052 U	NA	NA	NA	NA	NA
ALDRIN	0.052 U	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	0.052 U	NA	NA	NA	NA	NA
ENDOSULFAN I	0.052 U	NA	NA	NA	NA	NA
DIELDRIN	0.1 U	NA	NA	NA	NA	NA
4,4'-DDE	0.1 U	NA	NA	NA	NA	NA
ENDRIN	0.1 U	NA	NA	NA	NA	NA
ENDOSULFAN II	0.1 U	NA	NA	NA	NA	NA
4,4'-DDD	0.1 U	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	0.1 U	NA	NA	NA	NA	NA
4,4'-DDT	0.1 U	NA	NA	NA	NA	NA
METHOXYCHLOR	0.52 U	NA	NA	NA	NA	NA
ENDRIN KETONE	0.1 U	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	0.1 U	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	0.052 U	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	0.052 U	NA	NA	NA	NA	NA
TOXAPHENE	5.2 U	NA	NA	NA	NA	NA
AROCLOR-1016	1 U	NA	NA	NA	NA	NA
AROCLOR-1221	2.1 U	NA	NA	NA	NA	NA
AROCLOR-1232	1 U	NA	NA	NA	NA	NA
AROCLOR-1242	1 U	NA	NA	NA	NA	NA
AROCLOR-1248	1 U	NA	NA	NA	NA	NA
AROCLOR-1254	1 U	NA	NA	NA	NA	NA
AROCLOR-1260	1 U	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-06	303-TB-07	303-TB-09	303-TB-12	303-TB-40	303-TB-48
DATE SAMPLED	02/27/95	02/28/95	03/07/95	03/09/95	04/23/95	05/06/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	15 J	24 J	10 U	15 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 R
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	19	18	23	29	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-06	303-TB-07	303-TB-09	303-TB-12	303-TB-40	303-TB-48
DATE SAMPLED	02/27/95	02/28/95	03/07/95	03/09/95	04/23/95	05/06/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
DIMETHYLPHTHALATE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-06	303-TB-07	303-TB-09	303-TB-12	303-TB-40	303-TB-48
DATE SAMPLED	02/27/95	02/28/95	03/07/95	03/09/95	04/23/95	05/06/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
DIETHYLPHTHALATE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-06	303-TB-07	303-TB-09	303-TB-12	303-TB-40	303-TB-48
DATE SAMPLED	02/27/95	02/28/95	03/07/95	03/09/95	04/23/95	05/06/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDES/PCBs						
ALPHA-BHC	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
4,4'-DDD	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-49	36-SIER-01	36-SIER-03
DATE SAMPLED	05/07/95	02/22/95	02/24/95
UNITS	UG/L	UG/L	UG/L
VOLATILES			
CHLOROMETHANE	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 UJ	10 U	10 U
CHLOROFORM	10 U	3 J	4 J
1,2-DICHLOROETHANE	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-49	36-SIER-01	36-SIER-03
DATE SAMPLED	05/07/95	02/22/95	02/24/95
UNITS	UG/L	UG/L	UG/L
SEMIVOLATILES			
PHENOL	NA	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	NA	10 U	10 U
2-CHLOROPHENOL	NA	10 U	10 U
1,3-DICHLOROBENZENE	NA	10 U	10 U
1,4-DICHLOROBENZENE	NA	10 U	10 U
1,2-DICHLOROBENZENE	NA	10 U	10 U
2-METHYLPHENOL	NA	10 U	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	10 U	10 U
4-METHYLPHENOL	NA	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	NA	10 U	10 U
HEXACHLOROETHANE	NA	10 U	10 U
NITROBENZENE	NA	10 U	10 U
ISOPHORONE	NA	10 U	10 U
2-NITROPHENOL	NA	10 U	10 U
2,4-DIMETHYLPHENOL	NA	10 U	10 U
BIS(2-CHLOROETHOXY)METHANE	NA	10 U	10 U
2,4-DICHLOROPHENOL	NA	10 U	10 U
1,2,4-TRICHLOROBENZENE	NA	10 U	10 U
NAPHTHALENE	NA	10 U	10 U
4-CHLOROANILINE	NA	10 U	10 U
HEXACHLOROBUTADIENE	NA	10 U	10 U
4-CHLORO-3-METHYLPHENOL	NA	10 U	10 U
2-METHYLNAPHTHALENE	NA	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	NA	10 U	10 U
2,4,6-TRICHLOROPHENOL	NA	10 U	10 U
2,4,5-TRICHLOROPHENOL	NA	24 U	24 U
2-CHLORONAPHTHALENE	NA	10 U	10 U
2-NITROANILINE	NA	24 U	24 U
DIMETHYLPHTHALATE	NA	10 U	10 U
ACENAPHTHYLENE	NA	10 U	10 U
2,6-DINITROTOLUENE	NA	10 U	10 U
3-NITROANILINE	NA	24 U	24 U
ACENAPHTHENE	NA	10 U	10 U
2,4-DINITROPHENOL	NA	24 UJ	24 UJ

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-49	36-SIER-01	36-SIER-03
DATE SAMPLED	05/07/95	02/22/95	02/24/95
UNITS	UG/L	UG/L	UG/L
SEMIVOLATILES cont			
4-NITROPHENOL	NA	24 U	24 U
DIBENZOFURAN	NA	10 U	10 U
2,4-DINITROTOLUENE	NA	10 U	10 U
DIETHYLPHTHALATE	NA	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	NA	10 U	10 U
FLUORENE	NA	10 U	10 U
4-NITROANILINE	NA	24 U	24 U
4,6-DINITRO-2-METHYLPHENOL	NA	24 UJ	24 UJ
N-NITROSODIPHENYLAMINE (1)	NA	10 U	10 U
4-BROMOPHENYL-PHENYLETHER	NA	10 U	10 U
HEXACHLOROBENZENE	NA	10 U	10 U
PENTACHLOROPHENOL	NA	24 U	24 U
PHENANTHRENE	NA	10 U	10 U
ANTHRACENE	NA	10 U	10 U
CARBAZOLE	NA	10 U	10 U
DI-N-BUTYLPHTHALATE	NA	10 U	10 U
FLUORANTHENE	NA	10 U	10 U
PYRENE	NA	10 U	10 U
BUTYLBENZYLPHTHALATE	NA	10 U	10 U
3,3'-DICHLOROBENZIDINE	NA	10 U	10 U
BENZO(A)ANTHRACENE	NA	10 U	10 U
CHRYSENE	NA	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	67 U	10 U
DI-N-OCTYL PHTHALATE	NA	10 UJ	10 UJ
BENZO(B)FLUORANTHENE	NA	10 U	10 U
BENZO(K)FLUORANTHENE	NA	10 U	10 U
BENZO(A)PYRENE	NA	10 U	10 U
INDENO(1,2,3-CD)PYRENE	NA	10 U	10 U
DIBENZO(A,H)ANTHRACENE	NA	10 U	10 U
BENZO(G,H,I)PERYLENE	NA	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE	303-TB-49	36-SIER-01	36-SIER-03
DATE SAMPLED	05/07/95	02/22/95	02/24/95
UNITS	UG/L	UG/L	UG/L
PESTICIDES/PCBs			
ALPHA-BHC	NA	0.048 U	0.048 U
BETA-BHC	NA	0.048 U	0.048 U
DELTA-BHC	NA	0.048 U	0.048 U
GAMMA-BHC (LINDANE)	NA	0.048 U	0.048 U
HEPTACHLOR	NA	0.048 U	0.048 U
ALDRIN	NA	0.048 U	0.048 U
HEPTACHLOR EPOXIDE	NA	0.048 U	0.048 U
ENDOSULFAN I	NA	0.048 U	0.048 U
DIELDRIN	NA	0.095 U	0.095 U
4,4'-DDE	NA	0.095 U	0.095 U
ENDRIN	NA	0.095 U	0.095 U
ENDOSULFAN II	NA	0.095 U	0.095 U
4,4'-DDD	NA	0.095 U	0.095 U
ENDOSULFAN SULFATE	NA	0.095 U	0.095 U
4,4'-DDT	NA	0.095 U	0.095 U
METHOXYCHLOR	NA	0.48 U	0.48 U
ENDRIN KETONE	NA	0.095 U	0.095 U
ENDRIN ALDEHYDE	NA	0.095 U	0.095 U
ALPHA-CHLORDANE	NA	0.048 U	0.048 U
GAMMA-CHLORDANE	NA	0.048 U	0.048 U
TOXAPHENE	NA	4.8 U	4.8 U
AROCLOR-1016	NA	0.95 U	0.95 U
AROCLOR-1221	NA	1.9 U	1.9 U
AROCLOR-1232	NA	0.95 U	0.95 U
AROCLOR-1242	NA	0.95 U	0.95 U
AROCLOR-1248	NA	0.95 U	0.95 U
AROCLOR-1254	NA	0.95 U	0.95 U
AROCLOR-1260	NA	0.95 U	0.95 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
CHLOROMETHANE	10 U	10 U	ND	ND		0/15
BROMOMETHANE	10 U	10 U	ND	ND		0/15
VINYL CHLORIDE	10 U	10 U	ND	ND		0/15
CHLOROETHANE	10 U	10 U	ND	ND		0/15
METHYLENE CHLORIDE	10 U	10 U	ND	ND		0/15
ACETONE	10 U	15 U	15 J	24 J	303-TB-07	3/15
CARBON DISULFIDE	10 U	10 U	ND	ND		0/15
1,1-DICHLOROETHENE	10 U	10 U	ND	ND		0/15
1,1-DICHLOROETHANE	10 U	10 U	ND	ND		0/15
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	ND	ND		0/14
CHLOROFORM	10 U	10 U	3 J	13	303-FB-01	3/15
1,2-DICHLOROETHANE	10 U	10 U	ND	ND		0/15
2-BUTANONE	10 U	10 U	17	29	303-TB-12	9/15
1,1,1-TRICHLOROETHANE	10 U	10 U	ND	ND		0/15
CARBON TETRACHLORIDE	10 U	10 U	ND	ND		0/15
BROMODICHLOROMETHANE	10 U	10 U	13	13	303-FB-01	1/15
1,2-DICHLOROPROPANE	10 U	10 U	ND	ND		0/15
CIS-1,3-DICHLOROPROPENE	10 U	10 U	ND	ND		0/15
TRICHLOROETHENE	10 U	10 U	ND	ND		0/15
DIBROMOCHLOROMETHANE	10 U	10 U	10	10	303-FB-01	1/15
1,1,2-TRICHLOROETHANE	10 U	10 U	ND	ND		0/15
BENZENE	10 U	10 U	ND	ND		0/15
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	ND	ND		0/15
BROMOFORM	10 U	10 U	ND	ND		0/15
4-METHYL-2-PENTANONE	10 U	10 U	ND	ND		0/15
2-HEXANONE	10 U	10 U	ND	ND		0/15
TETRACHLOROETHENE	10 U	10 U	ND	ND		0/15
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	ND	ND		0/15
TOLUENE	10 U	10 U	ND	ND		0/15
CHLOROBENZENE	10 U	10 U	ND	ND		0/15
ETHYLBENZENE	10 U	10 U	ND	ND		0/15
STYRENE	10 U	10 U	ND	ND		0/15
XYLENE (TOTAL)	10 U	10 U	ND	ND		0/15

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
PHENOL	10 U	11 U	ND	ND		0/3
BIS(2-CHLOROETHYL)ETHER	10 U	11 U	ND	ND		0/3
2-CHLOROPHENOL	10 U	11 U	ND	ND		0/3
1,3-DICHLOROBENZENE	10 U	11 U	ND	ND		0/3
1,4-DICHLOROBENZENE	10 U	11 U	ND	ND		0/3
1,2-DICHLOROBENZENE	10 U	11 U	ND	ND		0/3
2-METHYLPHENOL	10 U	11 U	ND	ND		0/3
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	11 U	ND	ND		0/3
4-METHYLPHENOL	10 U	11 U	ND	ND		0/3
N-NITROSO-DI-N-PROPYLAMINE	10 U	11 U	ND	ND		0/3
HEXACHLOROETHANE	10 U	11 U	ND	ND		0/3
NITROBENZENE	10 U	11 U	ND	ND		0/3
ISOPHORONE	10 U	11 U	ND	ND		0/3
2-NITROPHENOL	10 U	11 U	ND	ND		0/3
2,4-DIMETHYLPHENOL	10 U	11 U	ND	ND		0/3
BIS(2-CHLOROETHOXY)METHANE	10 U	11 U	ND	ND		0/3
2,4-DICHLOROPHENOL	10 U	11 U	ND	ND		0/3
1,2,4-TRICHLOROBENZENE	10 U	11 U	ND	ND		0/3
NAPHTHALENE	10 U	11 U	ND	ND		0/3
4-CHLOROANILINE	10 U	11 U	ND	ND		0/3
HEXACHLOROBUTADIENE	10 U	11 U	ND	ND		0/3
4-CHLORO-3-METHYLPHENOL	10 U	11 U	ND	ND		0/3
2-METHYLNAPHTHALENE	10 U	11 U	ND	ND		0/3
HEXACHLOROCYCLOPENTADIENE	10 U	11 U	ND	ND		0/3
2,4,6-TRICHLOROPHENOL	10 U	11 U	ND	ND		0/3
2,4,5-TRICHLOROPHENOL	24 U	27 U	ND	ND		0/3
2-CHLORONAPHTHALENE	10 U	11 U	ND	ND		0/3
2-NITROANILINE	24 U	27 U	ND	ND		0/3
DIMETHYLPHTHALATE	10 U	11 U	ND	ND		0/3
ACENAPHTHYLENE	10 U	11 U	ND	ND		0/3
2,6-DINITROTOLUENE	10 U	11 U	ND	ND		0/3
3-NITROANILINE	24 U	27 U	ND	ND		0/3
ACENAPHTHENE	10 U	11 U	ND	ND		0/3
2,4-DINITROPHENOL	24 UJ	27 U	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont						
4-NITROPHENOL	24 U	27 U	ND	ND		0/3
DIBENZOFURAN	10 U	11 U	ND	ND		0/3
2,4-DINITROTOLUENE	10 U	11 U	ND	ND		0/3
DIETHYLPHTHALATE	10 U	11 U	ND	ND		0/3
4-CHLOROPHENYL-PHENYLETHER	10 U	11 U	ND	ND		0/3
FLUORENE	10 U	11 U	ND	ND		0/3
4-NITROANILINE	24 U	27 U	ND	ND		0/3
4,6-DINITRO-2-METHYLPHENOL	24 UJ	27 U	ND	ND		0/3
N-NITROSODIPHENYLAMINE (1)	10 U	11 U	ND	ND		0/3
4-BROMOPHENYL-PHENYLETHER	10 U	11 U	ND	ND		0/3
HEXACHLOROBENZENE	10 U	11 U	ND	ND		0/3
PENTACHLOROPHENOL	24 U	27 U	ND	ND		0/3
PHENANTHRENE	10 U	11 U	ND	ND		0/3
ANTHRACENE	10 U	11 U	ND	ND		0/3
CARBAZOLE	10 U	11 U	ND	ND		0/3
DI-N-BUTYLPHTHALATE	10 U	11 U	ND	ND		0/3
FLUORANTHENE	10 U	11 U	ND	ND		0/3
PYRENE	10 U	11 U	ND	ND		0/3
BUTYLBENZYLPHTHALATE	10 U	11 U	ND	ND		0/3
3,3'-DICHLOROBENZIDINE	10 U	11 U	ND	ND		0/3
BENZO(A)ANTHRACENE	10 U	11 U	ND	ND		0/3
CHRYSENE	10 U	11 U	ND	ND		0/3
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	67 U	ND	ND		0/3
DI-N-OCTYL PHTHALATE	10 UJ	11 U	ND	ND		0/3
BENZO(B)FLUORANTHENE	10 U	11 U	ND	ND		0/3
BENZO(K)FLUORANTHENE	10 U	11 U	ND	ND		0/3
BENZO(A)PYRENE	10 U	11 U	ND	ND		0/3
INDENO(1,2,3-CD)PYRENE	10 U	11 U	ND	ND		0/3
DIBENZO(A,H)ANTHRACENE	10 U	11 U	ND	ND		0/3
BENZO(G,H,I)PERYLENE	10 U	11 U	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDES/PCBs						
ALPHA-BHC	0.048 U	0.052 U	ND	ND		0/3
BETA-BHC	0.048 U	0.052 U	ND	ND		0/3
DELTA-BHC	0.048 U	0.052 U	ND	ND		0/3
GAMMA-BHC (LINDANE)	0.048 U	0.052 U	ND	ND		0/3
HEPTACHLOR	0.048 U	0.052 U	ND	ND		0/3
ALDRIN	0.048 U	0.052 U	ND	ND		0/3
HEPTACHLOR EPOXIDE	0.048 U	0.052 U	ND	ND		0/3
ENDOSULFAN I	0.048 U	0.052 U	ND	ND		0/3
DIELDRIN	0.095 U	0.1 U	ND	ND		0/3
4,4'-DDE	0.095 U	0.1 U	ND	ND		0/3
ENDRIN	0.095 U	0.1 U	ND	ND		0/3
ENDOSULFAN II	0.095 U	0.1 U	ND	ND		0/3
4,4'-DDD	0.095 U	0.1 U	ND	ND		0/3
ENDOSULFAN SULFATE	0.095 U	0.1 U	ND	ND		0/3
4,4'-DDT	0.095 U	0.1 U	ND	ND		0/3
METHOXYCHLOR	0.48 U	0.52 U	ND	ND		0/3
ENDRIN KETONE	0.095 U	0.1 U	ND	ND		0/3
ENDRIN ALDEHYDE	0.095 U	0.1 U	ND	ND		0/3
ALPHA-CHLORDANE	0.048 U	0.052 U	ND	ND		0/3
GAMMA-CHLORDANE	0.048 U	0.052 U	ND	ND		0/3
TOXAPHENE	4.8 U	5.2 U	ND	ND		0/3
AROCLOR-1016	0.95 U	1 U	ND	ND		0/3
AROCLOR-1221	1.9 U	2.1 U	ND	ND		0/3
AROCLOR-1232	0.95 U	1 U	ND	ND		0/3
AROCLOR-1242	0.95 U	1 U	ND	ND		0/3
AROCLOR-1248	0.95 U	1 U	ND	ND		0/3
AROCLOR-1254	0.95 U	1 U	ND	ND		0/3
AROCLOR-1260	0.95 U	1 U	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE	303-FB-01	36-SIER-01	36-SIER-03
DATE SAMPLED	02/28/95	02/22/95	02/24/95
UNITS	UG/L	UG/L	UG/L
TOTAL METALS			
ALUMINUM, TOTAL	65.5 U	22.8 U	16.8 U
ANTIMONY, TOTAL	10.9 U	13.7 U	10.9 U
ARSENIC, TOTAL	1.6 U	1.6 U	1.6 U
BARIUM, TOTAL	3.7 U	2 U	0.8 U
BERYLLIUM, TOTAL	1.5 U	0.3 U	0.46 U
CADMIUM, TOTAL	2.9 U	2.9 U	3.3 U
CALCIUM, TOTAL	32400	57.4 U	68.7 U
CHROMIUM, TOTAL	4.7 U	4.7 U	4.7 U
COBALT, TOTAL	2.3 U	2.3 U	2.3 U
COPPER, TOTAL	4 U	4 U	4 U
IRON, TOTAL	314	4.8 U	4.4 U
LEAD, TOTAL	1.6 U	1.6 U	1.6 U
MAGNESIUM, TOTAL	4190	34.3 U	34.3 U
MANGANESE, TOTAL	10.5 U	0.9 U	0.9 U
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	4.2 U	4.2 U	4.2 U
POTASSIUM, TOTAL	4660	67.9 U	67.9 U
SELENIUM, TOTAL	1.8 UJ	1.8 UJ	1.8 U
SILVER, TOTAL	2.5 U	2.5 U	2.5 U
SODIUM, TOTAL	29100	65.7 U	62.8 U
THALLIUM, TOTAL	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	2.1 U	2.1 U	2.1 U
ZINC, TOTAL	8.1 U	1.9 U	1.9 U

SITE 36, CAMP GEIGER AREA DUMP
SOIL QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

SAMPLE DATE SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
ALUMINUM, TOTAL	16.8 U	65.5 U	ND	ND		0/3
ANTIMONY, TOTAL	10.9 U	13.7 U	ND	ND		0/3
ARSENIC, TOTAL	1.6 U	1.6 U	ND	ND		0/3
BARIUM, TOTAL	0.8 U	3.7 U	ND	ND		0/3
BERYLLIUM, TOTAL	0.3 U	1.5 U	ND	ND		0/3
CADMIUM, TOTAL	2.9 U	3.3 U	ND	ND		0/3
CALCIUM, TOTAL	57.4 U	68.7 U	32400	32400	303-FB-01	1/3
CHROMIUM, TOTAL	4.7 U	4.7 U	ND	ND		0/3
COBALT, TOTAL	2.3 U	2.3 U	ND	ND		0/3
COPPER, TOTAL	4 U	4 U	ND	ND		0/3
IRON, TOTAL	4.4 U	4.8 U	314	314	303-FB-01	1/3
LEAD, TOTAL	1.6 U	1.6 U	ND	ND		0/3
MAGNESIUM, TOTAL	34.3 U	34.3 U	4190	4190	303-FB-01	1/3
MANGANESE, TOTAL	0.9 U	10.5 U	ND	ND		0/3
MERCURY, TOTAL	0.2 U	0.2 U	ND	ND		0/3
NICKEL, TOTAL	4.2 U	4.2 U	ND	ND		0/3
POTASSIUM, TOTAL	67.9 U	67.9 U	4660	4660	303-FB-01	1/3
SELENIUM, TOTAL	1.8 UJ	1.8 UJ	ND	ND		0/3
SILVER, TOTAL	2.5 U	2.5 U	ND	ND		0/3
SODIUM, TOTAL	62.8 U	65.7 U	29100	29100	303-FB-01	1/3
THALLIUM, TOTAL	0.7 U	0.7 U	ND	ND		0/3
VANADIUM, TOTAL	2.1 U	2.1 U	ND	ND		0/3
ZINC, TOTAL	1.9 U	8.1 U	ND	ND		0/3

GROUNDWATER

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-FB-02	303-TB-18	303-TB-25	303-TB-26	303-TB-27	303-TB-49
DATE_SAMPLED	03/15/95	03/15/95	03/25/95	03/27/95	03/27/95	05/07/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	18 U	10 U	10 U	17 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 UJ
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	27 J	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-FB-02	303-TB-18	303-TB-25	303-TB-26	303-TB-27	303-TB-49
DATE_SAMPLED	03/15/95	03/15/95	03/25/95	03/27/95	03/27/95	05/07/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	10 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	10 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	10 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	10 U	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	10 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	10 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	10 U	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	10 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	10 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	10 U	NA	NA	NA	NA	NA
NITROBENZENE	10 U	NA	NA	NA	NA	NA
ISOPHORONE	10 U	NA	NA	NA	NA	NA
2-NITROPHENOL	10 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	10 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	10 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	10 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	10 U	NA	NA	NA	NA	NA
NAPHTHALENE	10 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	10 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	10 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	10 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	10 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	10 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	10 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	26 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	10 U	NA	NA	NA	NA	NA
2-NITROANILINE	26 U	NA	NA	NA	NA	NA
DIMETHYLPHTHALATE	10 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	10 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	10 U	NA	NA	NA	NA	NA
3-NITROANILINE	26 U	NA	NA	NA	NA	NA
ACENAPHTHENE	10 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	26 U	NA	NA	NA	NA	NA
4-NITROPHENOL	26 U	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-FB-02	303-TB-18	303-TB-25	303-TB-26	303-TB-27	303-TB-49
DATE_SAMPLED	03/15/95	03/15/95	03/25/95	03/27/95	03/27/95	05/07/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
DIBENZOFURAN	10 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	10 U	NA	NA	NA	NA	NA
DIETHYLPHTHALATE	10 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	10 U	NA	NA	NA	NA	NA
FLUORENE	10 U	NA	NA	NA	NA	NA
4-NITROANILINE	26 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	26 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	10 U	NA	NA	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	10 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	10 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	26 U	NA	NA	NA	NA	NA
PHENANTHRENE	10 U	NA	NA	NA	NA	NA
ANTHRACENE	10 U	NA	NA	NA	NA	NA
CARBAZOLE	10 U	NA	NA	NA	NA	NA
DI-N-BUTYLPHTHALATE	10 U	NA	NA	NA	NA	NA
FLUORANTHENE	10 U	NA	NA	NA	NA	NA
PYRENE	10 U	NA	NA	NA	NA	NA
BUTYLBENZYLPHTHALATE	10 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	10 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	10 U	NA	NA	NA	NA	NA
CHRYSENE	10 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	10 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	10 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	10 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	10 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	10 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	10 U	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	10 U	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-FB-02	303-TB-18	303-TB-25	303-TB-26	303-TB-27	303-TB-49
DATE_SAMPLED	03/15/95	03/15/95	03/25/95	03/27/95	03/27/95	05/07/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDE/PCBS						
ALPHA-BHC	0.049 UJ	NA	NA	NA	NA	NA
BETA-BHC	0.049 UJ	NA	NA	NA	NA	NA
DELTA-BHC	0.049 UJ	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	0.049 UJ	NA	NA	NA	NA	NA
HEPTACHLOR	0.049 UJ	NA	NA	NA	NA	NA
ALDRIN	0.049 UJ	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	0.049 UJ	NA	NA	NA	NA	NA
ENDOSULFAN I	0.049 UJ	NA	NA	NA	NA	NA
DIELDRIN	0.098 UJ	NA	NA	NA	NA	NA
4,4'-DDE	0.098 UJ	NA	NA	NA	NA	NA
ENDRIN	0.098 UJ	NA	NA	NA	NA	NA
ENDOSULFAN II	0.098 UJ	NA	NA	NA	NA	NA
4,4'-DDD	0.098 UJ	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	0.098 UJ	NA	NA	NA	NA	NA
4,4'-DDT	0.098 UJ	NA	NA	NA	NA	NA
METHOXYCHLOR	0.49 UJ	NA	NA	NA	NA	NA
ENDRIN KETONE	0.098 UJ	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	0.098 UJ	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	0.049 UJ	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	0.049 UJ	NA	NA	NA	NA	NA
TOXAPHENE	4.9 UJ	NA	NA	NA	NA	NA
AROCLOR-1016	0.98 UJ	NA	NA	NA	NA	NA
AROCLOR-1221	2 UJ	NA	NA	NA	NA	NA
AROCLOR-1232	0.98 UJ	NA	NA	NA	NA	NA
AROCLOR-1242	0.98 UJ	NA	NA	NA	NA	NA
AROCLOR-1248	0.98 UJ	NA	NA	NA	NA	NA
AROCLOR-1254	0.98 UJ	NA	NA	NA	NA	NA
AROCLOR-1260	0.98 UJ	NA	NA	NA	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-TB-50	303-TB-51	303-TB-52	36-GWER-01	36-GWER-02	36-GWER-03
DATE_SAMPLED	05/08/95	07/11/95	07/11/95	03/25/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILES						
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	18	10 U	4 J	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 UJ	10 U	10 U	10 U	10 U	10 UJ
CHLOROFORM	10 U	10 U	10 U	5 J	4 J	4 J
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (TOTAL)	10 U	10 U	10 U	10 U	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-TB-50	303-TB-51	303-TB-52	36-GWER-01	36-GWER-02	36-GWER-03
DATE_SAMPLED	05/08/95	07/11/95	07/11/95	03/25/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES						
PHENOL	NA	NA	NA	10 U	10 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	10 U	10 U	NA
2-CHLOROPHENOL	NA	NA	NA	10 U	10 U	NA
1,3-DICHLOROBENZENE	NA	NA	NA	10 U	10 U	NA
1,4-DICHLOROBENZENE	NA	NA	NA	10 U	10 U	NA
1,2-DICHLOROBENZENE	NA	NA	NA	10 U	10 U	NA
2-METHYLPHENOL	NA	NA	NA	10 U	10 U	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	10 U	10 U	NA
4-METHYLPHENOL	NA	NA	NA	10 U	10 U	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	10 U	10 U	NA
HEXACHLOROETHANE	NA	NA	NA	10 U	10 U	NA
NITROBENZENE	NA	NA	NA	10 U	10 U	NA
ISOPHORONE	NA	NA	NA	10 U	10 U	NA
2-NITROPHENOL	NA	NA	NA	10 U	10 U	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	10 U	10 U	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	10 U	10 U	NA
2,4-DICHLOROPHENOL	NA	NA	NA	10 U	10 U	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	10 U	10 U	NA
NAPHTHALENE	NA	NA	NA	10 U	10 U	NA
4-CHLOROANILINE	NA	NA	NA	10 U	10 U	NA
HEXACHLOROBUTADIENE	NA	NA	NA	10 U	10 U	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	10 U	10 U	NA
2-METHYLNAPHTHALENE	NA	NA	NA	10 U	10 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	10 U	10 U	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	10 U	10 U	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	25 U	24 U	NA
2-CHLORONAPHTHALENE	NA	NA	NA	10 U	10 U	NA
2-NITROANILINE	NA	NA	NA	25 U	24 U	NA
DIMETHYLPHTHALATE	NA	NA	NA	10 U	10 U	NA
ACENAPHTHYLENE	NA	NA	NA	10 U	10 U	NA
2,6-DINITROTOLUENE	NA	NA	NA	10 U	10 U	NA
3-NITROANILINE	NA	NA	NA	25 U	24 U	NA
ACENAPHTHENE	NA	NA	NA	10 U	10 U	NA
2,4-DINITROPHENOL	NA	NA	NA	25 U	24 U	NA
4-NITROPHENOL	NA	NA	NA	25 U	24 U	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-TB-50	303-TB-51	303-TB-52	36-GWER-01	36-GWER-02	36-GWER-03
DATE_SAMPLED	05/08/95	07/11/95	07/11/95	03/25/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SEMIVOLATILES cont						
DIBENZOFURAN	NA	NA	NA	10 U	10 U	NA
2,4-DINITROTOLUENE	NA	NA	NA	10 U	10 U	NA
DIETHYLPHTHALATE	NA	NA	NA	10 U	10 U	NA
4-CHLOROPHENYL-PHENYLETHER	NA	NA	NA	10 U	10 U	NA
FLUORENE	NA	NA	NA	10 U	10 U	NA
4-NITROANILINE	NA	NA	NA	25 U	24 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	25 U	24 U	NA
N-NITROSODIPHENYLAMINE (1)	NA	NA	NA	10 U	10 U	NA
4-BROMOPHENYL-PHENYLETHER	NA	NA	NA	10 U	10 U	NA
HEXACHLOROBENZENE	NA	NA	NA	10 U	10 U	NA
PENTACHLOROPHENOL	NA	NA	NA	25 U	24 U	NA
PHENANTHRENE	NA	NA	NA	10 U	10 U	NA
ANTHRACENE	NA	NA	NA	10 U	10 U	NA
CARBAZOLE	NA	NA	NA	10 U	10 U	NA
DI-N-BUTYLPHTHALATE	NA	NA	NA	10 U	10 U	NA
FLUORANTHENE	NA	NA	NA	10 U	10 U	NA
PYRENE	NA	NA	NA	10 U	10 U	NA
BUTYLBENZYLPHTHALATE	NA	NA	NA	10 U	10 U	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	10 U	10 U	NA
BENZO(A)ANTHRACENE	NA	NA	NA	10 U	10 U	NA
CHRYSENE	NA	NA	NA	10 U	10 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	10 U	1 J	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	10 U	10 U	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	10 U	10 U	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	10 U	10 U	NA
BENZO(A)PYRENE	NA	NA	NA	10 U	10 U	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	10 U	10 U	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	10 U	10 U	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	10 U	10 U	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	303-TB-50	303-TB-51	303-TB-52	36-GWER-01	36-GWER-02	36-GWER-03
DATE_SAMPLED	05/08/95	07/11/95	07/11/95	03/25/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
PESTICIDE/PCBS						
ALPHA-BHC	NA	NA	NA	0.049 UJ	0.047 UJ	NA
BETA-BHC	NA	NA	NA	0.049 UJ	0.047 UJ	NA
DELTA-BHC	NA	NA	NA	0.049 UJ	0.047 UJ	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	0.049 UJ	0.047 UJ	NA
HEPTACHLOR	NA	NA	NA	0.049 UJ	0.047 UJ	NA
ALDRIN	NA	NA	NA	0.049 UJ	0.047 UJ	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	0.049 UJ	0.047 UJ	NA
ENDOSULFAN I	NA	NA	NA	0.049 UJ	0.047 UJ	NA
DIELDRIN	NA	NA	NA	0.098 UJ	0.094 UJ	NA
4,4'-DDE	NA	NA	NA	0.098 UJ	0.094 UJ	NA
ENDRIN	NA	NA	NA	0.098 UJ	0.094 UJ	NA
ENDOSULFAN II	NA	NA	NA	0.098 UJ	0.094 UJ	NA
4,4'-DDD	NA	NA	NA	0.098 UJ	0.094 UJ	NA
ENDOSULFAN SULFATE	NA	NA	NA	0.098 UJ	0.094 UJ	NA
4,4'-DDT	NA	NA	NA	0.098 UJ	0.094 UJ	NA
METHOXYCHLOR	NA	NA	NA	0.49 UJ	0.47 UJ	NA
ENDRIN KETONE	NA	NA	NA	0.098 UJ	0.094 UJ	NA
ENDRIN ALDEHYDE	NA	NA	NA	0.098 UJ	0.094 UJ	NA
ALPHA-CHLORDANE	NA	NA	NA	0.049 UJ	0.047 UJ	NA
GAMMA-CHLORDANE	NA	NA	NA	0.049 UJ	0.047 UJ	NA
TOXAPHENE	NA	NA	NA	4.9 UJ	4.7 UJ	NA
AROCLOR-1016	NA	NA	NA	0.98 UJ	0.94 UJ	NA
AROCLOR-1221	NA	NA	NA	2 UJ	1.9 UJ	NA
AROCLOR-1232	NA	NA	NA	0.98 UJ	0.94 UJ	NA
AROCLOR-1242	NA	NA	NA	0.98 UJ	0.94 UJ	NA
AROCLOR-1248	NA	NA	NA	0.98 UJ	0.94 UJ	NA
AROCLOR-1254	NA	NA	NA	0.98 UJ	0.94 UJ	NA
AROCLOR-1260	NA	NA	NA	0.98 UJ	0.94 UJ	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GWER-05	36-GWER-06
DATE_SAMPLED	07/11/95	07/11/95
UNITS	UG/L	UG/L
VOLATILES		
CHLOROMETHANE	10 U	10 U
BROMOMETHANE	10 U	10 U
VINYL CHLORIDE	10 U	10 U
CHLOROETHANE	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U
ACETONE	10 U	10 U
CARBON DISULFIDE	10 U	10 U
1,1-DICHLOROETHENE	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U
CHLOROFORM	3 J	3 J
1,2-DICHLOROETHANE	10 U	10 U
2-BUTANONE	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U
TRICHLOROETHENE	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U
BENZENE	10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U	10 U
BROMOFORM	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U
2-HEXANONE	10 U	10 U
TETRACHLOROETHENE	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U
TOLUENE	10 U	10 U
CHLOROBENZENE	10 U	10 U
ETHYLBENZENE	10 U	10 U
STYRENE	10 U	10 U
XYLENE (TOTAL)	10 U	10 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GWER-05	36-GWER-06
DATE_SAMPLED	07/11/95	07/11/95
UNITS	UG/L	UG/L
SEMIVOLATILES		
PHENOL	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA
2-CHLOROPHENOL	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
2-METHYLPHENOL	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA
4-METHYLPHENOL	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA
HEXACHLOROETHANE	NA	NA
NITROBENZENE	NA	NA
ISOPHORONE	NA	NA
2-NITROPHENOL	NA	NA
2,4-DIMETHYLPHENOL	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA
2,4-DICHLOROPHENOL	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA
NAPHTHALENE	NA	NA
4-CHLOROANILINE	NA	NA
HEXACHLOROBUTADIENE	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA
2-METHYLNAPHTHALENE	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA
2-CHLORONAPHTHALENE	NA	NA
2-NITROANILINE	NA	NA
DIMETHYLPHTHALATE	NA	NA
ACENAPHTHYLENE	NA	NA
2,6-DINITROTOLUENE	NA	NA
3-NITROANILINE	NA	NA
ACENAPHTHENE	NA	NA
2,4-DINITROPHENOL	NA	NA
4-NITROPHENOL	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GWER-05	36-GWER-06
DATE_SAMPLED	07/11/95	07/11/95
UNITS	UG/L	UG/L
SEMIVOLATILES cont		
DIBENZOFURAN	NA	NA
2,4-DINITROTOLUENE	NA	NA
DIETHYLPHTHALATE	NA	NA
4-CHLOROPHENYL-PHENYLETHER	NA	NA
FLUORENE	NA	NA
4-NITROANILINE	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA
N-NITROSODIPHENYLAMINE (1)	NA	NA
4-BROMOPHENYL-PHENYLETHER	NA	NA
HEXACHLOROBENZENE	NA	NA
PENTACHLOROPHENOL	NA	NA
PHENANTHRENE	NA	NA
ANTHRACENE	NA	NA
CARBAZOLE	NA	NA
DI-N-BUTYLPHTHALATE	NA	NA
FLUORANTHENE	NA	NA
PYRENE	NA	NA
BUTYLBENZYLPHTHALATE	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA
BENZO(A)ANTHRACENE	NA	NA
CHRYSENE	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA
BENZO(B)FLUORANTHENE	NA	NA
BENZO(K)FLUORANTHENE	NA	NA
BENZO(A)PYRENE	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION	36-GWER-05	36-GWER-06
DATE_SAMPLED	07/11/95	07/11/95
UNITS	UG/L	UG/L
PESTICIDE/PCBS		
ALPHA-BHC	NA	NA
BETA-BHC	NA	NA
DELTA-BHC	NA	NA
GAMMA-BHC (LINDANE)	NA	NA
HEPTACHLOR	NA	NA
ALDRIN	NA	NA
HEPTACHLOR EPOXIDE	NA	NA
ENDOSULFAN I	NA	NA
DIELDRIN	NA	NA
4,4'-DDE	NA	NA
ENDRIN	NA	NA
ENDOSULFAN II	NA	NA
4,4'-DDD	NA	NA
ENDOSULFAN SULFATE	NA	NA
4,4'-DDT	NA	NA
METHOXYCHLOR	NA	NA
ENDRIN KETONE	NA	NA
ENDRIN ALDEHYDE	NA	NA
ALPHA-CHLORDANE	NA	NA
GAMMA-CHLORDANE	NA	NA
TOXAPHENE	NA	NA
AROCLOR-1016	NA	NA
AROCLOR-1221	NA	NA
AROCLOR-1232	NA	NA
AROCLOR-1242	NA	NA
AROCLOR-1248	NA	NA
AROCLOR-1254	NA	NA
AROCLOR-1260	NA	NA

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE_SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
VOLATILES						
CHLOROMETHANE	10 U	10 U	ND	ND		0/14
BROMOMETHANE	10 U	10 U	ND	ND		0/14
VINYL CHLORIDE	10 U	10 U	ND	ND		0/14
CHLOROETHANE	10 U	10 U	ND	ND		0/14
METHYLENE CHLORIDE	10 U	10 U	ND	ND		0/14
ACETONE	10 U	18 U	4 J	18	303-TB-50	2/14
CARBON DISULFIDE	10 U	10 U	ND	ND		0/14
1,1-DICHLOROETHENE	10 U	10 U	ND	ND		0/14
1,1-DICHLOROETHANE	10 U	10 U	ND	ND		0/14
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	ND	ND		0/14
CHLOROFORM	10 U	10 U	3 J	5 J	36-GWER-01	5/14
1,2-DICHLOROETHANE	10 U	10 U	ND	ND		0/14
2-BUTANONE	10 U	10 U	27 J	27 J	303-TB-18	1/14
1,1,1-TRICHLOROETHANE	10 U	10 U	ND	ND		0/14
CARBON TETRACHLORIDE	10 U	10 U	ND	ND		0/14
BROMODICHLOROMETHANE	10 U	10 U	ND	ND		0/14
1,2-DICHLOROPROPANE	10 U	10 U	ND	ND		0/14
CIS-1,3-DICHLOROPROPENE	10 U	10 U	ND	ND		0/14
TRICHLOROETHENE	10 U	10 U	ND	ND		0/14
DIBROMOCHLOROMETHANE	10 U	10 U	ND	ND		0/14
1,1,2-TRICHLOROETHANE	10 U	10 U	ND	ND		0/14
BENZENE	10 U	10 U	ND	ND		0/14
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	ND	ND		0/14
BROMOFORM	10 U	10 U	ND	ND		0/14
4-METHYL-2-PENTANONE	10 U	10 U	ND	ND		0/14
2-HEXANONE	10 U	10 U	ND	ND		0/14
TETRACHLOROETHENE	10 U	10 U	ND	ND		0/14
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	ND	ND		0/14
TOLUENE	10 U	10 U	ND	ND		0/14
CHLOROBENZENE	10 U	10 U	ND	ND		0/14
ETHYLBENZENE	10 U	10 U	ND	ND		0/14
STYRENE	10 U	10 U	ND	ND		0/14
XYLENE (TOTAL)	10 U	10 U	ND	ND		0/14

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE_SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES						
PHENOL	10 U	10 U	ND	ND		0/3
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	ND	ND		0/3
2-CHLOROPHENOL	10 U	10 U	ND	ND		0/3
1,3-DICHLOROBENZENE	10 U	10 U	ND	ND		0/3
1,4-DICHLOROBENZENE	10 U	10 U	ND	ND		0/3
1,2-DICHLOROBENZENE	10 U	10 U	ND	ND		0/3
2-METHYLPHENOL	10 U	10 U	ND	ND		0/3
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	ND	ND		0/3
4-METHYLPHENOL	10 U	10 U	ND	ND		0/3
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	ND	ND		0/3
HEXACHLOROETHANE	10 U	10 U	ND	ND		0/3
NITROBENZENE	10 U	10 U	ND	ND		0/3
ISOPHORONE	10 U	10 U	ND	ND		0/3
2-NITROPHENOL	10 U	10 U	ND	ND		0/3
2,4-DIMETHYLPHENOL	10 U	10 U	ND	ND		0/3
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	ND	ND		0/3
2,4-DICHLOROPHENOL	10 U	10 U	ND	ND		0/3
1,2,4-TRICHLOROBENZENE	10 U	10 U	ND	ND		0/3
NAPHTHALENE	10 U	10 U	ND	ND		0/3
4-CHLOROANILINE	10 U	10 U	ND	ND		0/3
HEXACHLOROBUTADIENE	10 U	10 U	ND	ND		0/3
4-CHLORO-3-METHYLPHENOL	10 U	10 U	ND	ND		0/3
2-METHYLNAPHTHALENE	10 U	10 U	ND	ND		0/3
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	ND	ND		0/3
2,4,6-TRICHLOROPHENOL	10 U	10 U	ND	ND		0/3
2,4,5-TRICHLOROPHENOL	24 U	26 U	ND	ND		0/3
2-CHLORONAPHTHALENE	10 U	10 U	ND	ND		0/3
2-NITROANILINE	24 U	26 U	ND	ND		0/3
DIMETHYLPHTHALATE	10 U	10 U	ND	ND		0/3
ACENAPHTHYLENE	10 U	10 U	ND	ND		0/3
2,6-DINITROTOLUENE	10 U	10 U	ND	ND		0/3
3-NITROANILINE	24 U	26 U	ND	ND		0/3
ACENAPHTHENE	10 U	10 U	ND	ND		0/3
2,4-DINITROPHENOL	24 U	26 U	ND	ND		0/3
4-NITROPHENOL	24 U	26 U	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE_SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
SEMIVOLATILES cont						
DIBENZOFURAN	10 U	10 U	ND	ND		0/3
2,4-DINITROTOLUENE	10 U	10 U	ND	ND		0/3
DIETHYLPHTHALATE	10 U	10 U	ND	ND		0/3
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	ND	ND		0/3
FLUORENE	10 U	10 U	ND	ND		0/3
4-NITROANILINE	24 U	26 U	ND	ND		0/3
4,6-DINITRO-2-METHYLPHENOL	24 U	26 U	ND	ND		0/3
N-NITROSODIPHENYLAMINE (1)	10 U	10 U	ND	ND		0/3
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	ND	ND		0/3
HEXACHLOROBENZENE	10 U	10 U	ND	ND		0/3
PENTACHLOROPHENOL	24 U	26 U	ND	ND		0/3
PHENANTHRENE	10 U	10 U	ND	ND		0/3
ANTHRACENE	10 U	10 U	ND	ND		0/3
CARBAZOLE	10 U	10 U	ND	ND		0/3
DI-N-BUTYLPHTHALATE	10 U	10 U	ND	ND		0/3
FLUORANTHENE	10 U	10 U	ND	ND		0/3
PYRENE	10 U	10 U	ND	ND		0/3
BUTYLBENZYLPHTHALATE	10 U	10 U	ND	ND		0/3
3,3'-DICHLOROBENZIDINE	10 U	10 U	ND	ND		0/3
BENZO(A)ANTHRACENE	10 U	10 U	ND	ND		0/3
CHRYSENE	10 U	10 U	ND	ND		0/3
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U	1 J	1 J	36-GWER-02	1/3
DI-N-OCTYL PHTHALATE	10 U	10 U	ND	ND		0/3
BENZO(B)FLUORANTHENE	10 U	10 U	ND	ND		0/3
BENZO(K)FLUORANTHENE	10 U	10 U	ND	ND		0/3
BENZO(A)PYRENE	10 U	10 U	ND	ND		0/3
INDENO(1,2,3-CD)PYRENE	10 U	10 U	ND	ND		0/3
DIBENZO(A,H)ANTHRACENE	10 U	10 U	ND	ND		0/3
BENZO(G,H,I)PERYLENE	10 U	10 U	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
ORGANIC COMPOUNDS

LOCATION DATE_SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
PESTICIDE/PCBS						
ALPHA-BHC	0.047 UJ	0.049 UJ	ND	ND		0/3
BETA-BHC	0.047 UJ	0.049 UJ	ND	ND		0/3
DELTA-BHC	0.047 UJ	0.049 UJ	ND	ND		0/3
GAMMA-BHC (LINDANE)	0.047 UJ	0.049 UJ	ND	ND		0/3
HEPTACHLOR	0.047 UJ	0.049 UJ	ND	ND		0/3
ALDRIN	0.047 UJ	0.049 UJ	ND	ND		0/3
HEPTACHLOR EPOXIDE	0.047 UJ	0.049 UJ	ND	ND		0/3
ENDOSULFAN I	0.047 UJ	0.049 UJ	ND	ND		0/3
DIELDRIN	0.094 UJ	0.098 UJ	ND	ND		0/3
4,4'-DDE	0.094 UJ	0.098 UJ	ND	ND		0/3
ENDRIN	0.094 UJ	0.098 UJ	ND	ND		0/3
ENDOSULFAN II	0.094 UJ	0.098 UJ	ND	ND		0/3
4,4'-DDD	0.094 UJ	0.098 UJ	ND	ND		0/3
ENDOSULFAN SULFATE	0.094 UJ	0.098 UJ	ND	ND		0/3
4,4'-DDT	0.094 UJ	0.098 UJ	ND	ND		0/3
METHOXYCHLOR	0.47 UJ	0.49 UJ	ND	ND		0/3
ENDRIN KETONE	0.094 UJ	0.098 UJ	ND	ND		0/3
ENDRIN ALDEHYDE	0.094 UJ	0.098 UJ	ND	ND		0/3
ALPHA-CHLORDANE	0.047 UJ	0.049 UJ	ND	ND		0/3
GAMMA-CHLORDANE	0.047 UJ	0.049 UJ	ND	ND		0/3
TOXAPHENE	4.7 UJ	4.9 UJ	ND	ND		0/3
AROCLOR-1016	0.94 UJ	0.98 UJ	ND	ND		0/3
AROCLOR-1221	1.9 UJ	2 UJ	ND	ND		0/3
AROCLOR-1232	0.94 UJ	0.98 UJ	ND	ND		0/3
AROCLOR-1242	0.94 UJ	0.98 UJ	ND	ND		0/3
AROCLOR-1248	0.94 UJ	0.98 UJ	ND	ND		0/3
AROCLOR-1254	0.94 UJ	0.98 UJ	ND	ND		0/3
AROCLOR-1260	0.94 UJ	0.98 UJ	ND	ND		0/3

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION	303-FB-02	36-GWER-01	36-GWER-02	36-GWER-03
DATE_SAMPLED	03/15/95	03/25/95	03/27/95	05/09/95
UNITS	UG/L	UG/L	UG/L	UG/L
TOTAL METALS				
ALUMINUM, TOTAL	27.5 U	16.8 U	16.8 U	15.7 U
ANTIMONY, TOTAL	20.7 U	10.9 U	10.9 U	12 U
ARSENIC, TOTAL	1.9 U	1.9 U	1.9 U	1.5 U
BARIUM, TOTAL	1.7 U	0.8 U	0.8 U	0.8 U
BERYLLIUM, TOTAL	0.9 U	0.33 U	0.35 U	0.3 U
CADMIUM, TOTAL	2.8 U	2.9 U	2.9 U	3.9 U
CALCIUM, TOTAL	108 U	36.1 U	16.2 U	92 U
CHROMIUM, TOTAL	2.9 U	4.7 U	4.7 U	6.7
COBALT, TOTAL	3 U	2.3 U	2.3 U	1.7 U
COPPER, TOTAL	1.9 U	4 U	4 U	1.8 U
IRON, TOTAL	48.4 U	2.5 U	2.5 U	6.5 U
LEAD, TOTAL	1 U	1.6 U	1.6 U	2.6 U
MAGNESIUM, TOTAL	18.3 U	34.3 U	34.3 U	40.7
MANGANESE, TOTAL	1.8 U	0.9 U	0.9 U	0.7 U
MERCURY, TOTAL	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL, TOTAL	10.8 U	4.2 U	4.2 U	5.4 U
POTASSIUM, TOTAL	685 U	67.9 U	67.9 U	81.2 U
SELENIUM, TOTAL	1.5 U	1.5 U	1.5 U	1.8 U
SILVER, TOTAL	3 U	2.5 U	2.5 U	2.2
SODIUM, TOTAL	143 U	19.1 U	19.1 U	243
THALLIUM, TOTAL	1.1 U	0.7 U	0.7 U	0.7 U
VANADIUM, TOTAL	2.3 U	2.1 U	2.1 U	2.3 U
ZINC, TOTAL	3.8 U	1.9 U	1.9 U	2.2 U

SITE 36, CAMP GEIGER AREA DUMP
GROUNDWATER QA/QC - FREQUENCY OF DETECTION SUMMARY
REMEDIAL INVESTIGATION, CTO-0303
MCB, CAMP LEJEUNE, NORTH CAROLINA
INORGANIC ANALYTES

LOCATION DATE_SAMPLED UNITS	MINIMUM NONDETECTED	MAXIMUM NONDETECTED	MINIMUM DETECTED	MAXIMUM DETECTED	LOCATION OF MAXIMUM DETECTED	FREQUENCY OF DETECTION
TOTAL METALS						
ALUMINUM, TOTAL	15.7 U	27.5 U	ND	ND		0/4
ANTIMONY, TOTAL	10.9 U	20.7 U	ND	ND		0/4
ARSENIC, TOTAL	1.5 U	1.9 U	ND	ND		0/4
BARIUM, TOTAL	0.8 U	1.7 U	ND	ND		0/4
BERYLLIUM, TOTAL	0.3 U	0.9 U	ND	ND		0/4
CADMIUM, TOTAL	2.8 U	3.9 U	ND	ND		0/4
CALCIUM, TOTAL	16.2 U	108 U	ND	ND		0/4
CHROMIUM, TOTAL	2.9 U	4.7 U	6.7	6.7	36-GWER-03	1/4
COBALT, TOTAL	1.7 U	3 U	ND	ND		0/4
COPPER, TOTAL	1.8 U	4 U	ND	ND		0/4
IRON, TOTAL	2.5 U	48.4 U	ND	ND		0/4
LEAD, TOTAL	1 U	2.6 U	ND	ND		0/4
MAGNESIUM, TOTAL	18.3 U	34.3 U	40.7	40.7	36-GWER-03	1/4
MANGANESE, TOTAL	0.7 U	1.8 U	ND	ND		0/4
MERCURY, TOTAL	0.2 U	0.2 U	ND	ND		0/4
NICKEL, TOTAL	4.2 U	10.8 U	ND	ND		0/4
POTASSIUM, TOTAL	67.9 U	685 U	ND	ND		0/4
SELENIUM, TOTAL	1.5 U	1.8 U	ND	ND		0/4
SILVER, TOTAL	2.5 U	3 U	2.2	2.2	36-GWER-03	1/4
SODIUM, TOTAL	19.1 U	143 U	243	243	36-GWER-03	1/4
THALLIUM, TOTAL	0.7 U	1.1 U	ND	ND		0/4
VANADIUM, TOTAL	2.1 U	2.3 U	ND	ND		0/4
ZINC, TOTAL	1.9 U	3.8 U	ND	ND		0/4