

THE CALIFORNIA CORPORATION  
LONG RIVER PLANT  
LONG RIVER PLANT

217911



**WARE**  
CORPORATION

CIB 001 2164

SUPPLEMENTAL INVESTIGATIONS OF THE  
FORMER RIVER LAGOON AND  
FORMER SLUDGE DISPOSAL AREAS

VOLUME II  
APPENDICES

Prepared for:

Ciba-Geigy Corporation  
Rt. 37 West  
Toms River, New Jersey

Prepared by:

AWARE Incorporated  
80 Airport Road  
West Milford, New Jersey 07480

September 1987

## LIST OF APPENDICES

### Appendix

- A      AWARE Inc. Boring Logs
- B      NUS/USEPA Boring Logs
- C      Analytical Data Summary
- D      Analytical Laboratory Reports

APPENDIX A

AWARE INC. BORING LOGS

PROJECT: River Lagoon		SHEET NO. 1 of 1	
CLIENT: Ciba Celvy		PROJECT NO. 6758	
<b>DRILLING DATA</b>		<b>SAMPLING METHODS</b>	
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE
DRILLER: Bill SHEN	TYPE	Split-spoon	CORE
EQUIPMENT: Diedrich D-50	DIAMETER	2"	
METHOD: Hollow-stem auger	OTHER	140 lb/30" drop	
<b>WELL CONSTRUCTION</b>		<b>WELL DEVELOPMENT</b>	
RISER	INTAKE	METHOD:	ELEV 27.0
MATERIAL		DURATION:	DATE STARTED: 6 May 1984
DIAMETER		YIELD:	DATE COMPLETED: 6 May 1984
COUPLING		OTHER:	INSPECTOR: P. HARWARD

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (dpm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	2-2- 1-2	FILL  YELLOW C+M SAND, SOME GRAVEL, LITTLE SILT	ND	NO SLUDGE	
		S-2	SS	2-2- 2-1		ND		
	5	S-3	SS	2-1- 1-1		1.6		
		S-4	SS	2-1- 1-1		1.2		
	10	S-5	SS	6-12- 20-35	COHANSEY FM. DARK BROWN C+M SAND, LITTLE SILT	2.6		
		S-6	SS	29-36- 24-12		4.4		
		S-7	SS	7-18- 18-20	@ 14	3.0		
	15	S-8	SS	6-10- 11-12	BROWN & GRAY C+M SAND, SOME SILT, LITTLE & GRAVEL	2.4		
		S-9	SS	5-7- 11-15	DK BROWN & GRAVEL, SOME C SAND @ 17.5	3.2		
	20	S-10	SS	8-7- 11-11	BROWN M+ SAND, SOME SILT	1.4		
		S-11	SS	9-12- 14-15		1.8		
		S-12	SS	8-12- 21-35		1.4		
	25	S-13	SS	8-10- 13-23	END OF BORING @ 26	2.0		
	30							
	35							
	40							

PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758


DRILLING DATA		SAMPLING METHODS				
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE		
DRILLER: B. SHEN		TYPE	Split-spoon.			
EQUIPMENT: Diedrich D-50		DIAMETER	2"			
METHOD: Hollow-stem auger		OTHER	140 lb / 30" deep			
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND	WELL	PROT CSG
	RISER	INTAKE	METHOD:	ELEV	29.0	
MATERIAL			DURATION:	DATE STARTED: 6 MAY 87		
DIAMETER			YIELD:	DATE COMPLETED: 6 MAY 87		
COUPLING			OTHER:	INSPECTOR: P. HOWARD		

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ndm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-1- 4-5	FILL  YELLOW & ORANGE CM f SAND, TR SILT, TR GRAVEL	ND		
		S-2	SS	4-4- 4-5		ND		
	5	S-3	SS	3-2- 1-1		ND		
		S-4	SS	1-1- 1-1	BLACK SLUDGE @ 7.5			
		S-5	SS	3-1- 8-22	BROWN CM SAND, TR GR. @ 8.0	44	0.5	
	10	S-6	SS	5-12- 21-24	COLLASEY FM.	32 47		
		S-7	SS	12-27- 21-24	BLACK STAINED SAND, TR GRAVEL @ 12	12		
	15	S-8	SS	6-8- 11-12	BROWN CM f SAND			
		S-9	SS	6-8- 21-31	TR f GRAVEL	7.2	PRIMARY COLLASEY 11/19/85	
	20	S-10	SS	8-16- 14-21		6.2		
		S-11	SS	12-18- 22-32		6.6		
		S-12	SS	20-18- 20-25	GRAY M f SAND, TR SILT @ 27.5	8.6		
	25	S-13	SS	24-25- 25-30		11.4		
		S-14	SS	25-13- 25-29				
		S-15	SS	19-28- 12-25		1.0		
	30	S-16	SS	12-10- 11-10	COLLASEY/KIRKWOOD TRANSITIONAL UNIT @ 30	6.2		
	35				GRAY M f SAND			
					END OF BORING @ 32			
	40							

PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		TYPE	SAMPLER	TUBE
DRILLER: B. WORTHINGTON		DIAMETER	Split-spoon	CORE
EQUIPMENT: Diedrich D-50		OTHER	2"	
METHOD: Hollow-stem auger			14 to 16/30" deep	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND
RISER	INTAKE	METHOD:	ELEV	29.0
MATERIAL		DURATION:	DATE STARTED: 7-MAY-87	
DIAMETER		YIELD:	DATE COMPLETED: 7-MAY-87	
COUPLING		OTHER:	INSPECTOR: P. HOWARD	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	RNU (pdm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-4- 3-1	<u>FILL</u>	ND		
		S-2	SS	1-4- 5-5	ORANGE & BROWN cmf	5.2		0.7
	5	S-3	SS	5-2- 1-1	SAND, TR & GRAVEL, TR SILT	ND		
		S-4	SS	0-1- 1-3	ALTERNATING WITH BLACK SLUDGE LAYERS	8.2		0.1 0.1
	10	S-5	SS	0-1- 1-8		@9.5		
		S-6	SS	12-15- 23-22	<u>COHANSEY FM.</u>	5.0 5.2		
	15	S-7	SS	13-16- 16-18	BROWN cmf SAND, TR & GRAVEL ALTERNATING	18.8		
		S-8	SS	5-8- 8-13		11.0	PRIMARY COHANSEY	
		S-9	SS	8-11- 13-15	WITH mf+ SAND	20.0	11/19/85	
	20	S-10	SS	11-19- 28-36		2.2		
		S-11	SS	15-16- 21-41		1.5		
		S-12	SS	16-21- 32-22		1.2		
	25	S-13	SS	15-35- 36-37 1/2		1.3		
		S-14	SS	22-36- 51		1.2		
	30	S-15	SS	17-18- 18-42	END OF BORING - - - @30	1.0		
	35							
	40							

 BLACK SWDGE

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Celco

PROJECT NO. 6758

**DRILLING DATA**

**SAMPLING METHODS**

CONTRACTOR: Lippincott Engineering

SAMPLER

TUBE

CORE

DRILLER: B. Worthington

TYPE

Split-spoon

EQUIPMENT: Diedrich D-50

DIAMETER

2"

METHOD: Hollow-stem auger

OTHER

Mo 16/30" drag

**WELL CONSTRUCTION**

**WELL DEVELOPMENT**

GROUND

WELL

PROTCSG

RISER

INTAKE

METHOD:

ELEV

27.1

MATERIAL

DURATION:

DATE STARTED: 8 May 87

DIAMETER

YIELD:

DATE COMPLETED: 8 May 87

COUPLING

OTHER:

INSPECTOR: P. Howard

**WELL CONSTRUCTION**

DEPTH (FEET)

**SAMPLE**

NO. TYPE BLOWS PER 6 INCHES

**CLASSIFICATION (AFTER BURMISTER, 1969)**

HNU REMARKS Thickness (ppm) (ft)

0	S-1	SS	5-6- 6-7
	S-2	SS	3-5- 3-2
5	S-3	SS	3-1- 18-11-
	S-4	SS	11-13- 16-17
10	S-5	SS	5-10- 18-20
	S-6	SS	13-18- 21-26
	S-7	SS	19-28- 50/4
15	S-8	SS	10-19- 21-25
	S-9	SS	9-11- 13-31
20	S-10	SS	
	S-11	SS	15-16- 16-22
	S-12	SS	10-11- 11-32
25	S-13	SS	21-22- 41-55
	S-14	SS	18-21- 20-13

FILL  
Orange cmf SAND, tr Gravel

COHANSEY FM.

Brown cmf SAND, no to some Gravel, no to some Silt. Stratified with Gray c-m SAND and white-tan c-mf SAND

END OF BORING - 28.0

1.0

2.0

1.2

9.2

9.2

8.0

6.8

13.2

5.0

7.2

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND



PRIMARY  
COHANSEY  
11/19/85

BLACK SLUDGE




PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: BARRY WORTHINGTON		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140 lb/30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		
RISER	INTAKE	METHOD:	ELEV	GROUND
			28.2	WELL
MATERIAL		DURATION:	DATE STARTED: 8-MAY-1987	
DIAMETER		YIELD:	DATE COMPLETED: 8-MAY-1987	
COUPLING		OTHER:	INSPECTOR: P. HOWARD	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-2- 2-3	FILL	ND		
		S-2	SS	4-3- 3-2		BLACK STAIN - - - @3		ND
	5	S-3	SS	2-2- 2-2	ORANGE C.M.F. SAND, TRACE M.F.G., TR. SILT	2.6		
		S-4	SS	2-2- 6-10		@7		3.2
	10	S-5	SS	11-16- 18-18	COHANSEY FM.	12.2		
		S-6	SS	7-10- 11-13				15.4
	15	S-7	SS	7-9- 9-11	BROWN SAND WITH OCCASIONAL LAYERS OF FINE SAND, TR. GRAVEL, TR. SILT	12.8	 PRIMARY COHANSEY 11/19/85	
		S-8	SS	6-10- 12-18				18.0
	20	S-9	SS	12-16- 22-28		16.2		
		S-10	SS	19-32- 56 -				20.0
	25	S-11	SS	11-18- 21-25		19.5		
		S-12	SS	14-26- 32-41				17.4
	30	S-13	SS	15-26- 32-30	COHANSEY/KIRKWOOD TRANSITIONAL UNIT	25.0		
		S-14	SS	17-29- 51 -		@22		19.2
	35	S-15	SS	9-9- 11-12	TAN S. SAND, TRACE SILT / ALTERNATING WITH grey / S SAND, SOME SILT /	9.2		
		S-16	SS	5-7- 10-13				3.0 - "RLSC-5 DEEP SOIL"
	40				END OF BORING - @22/			

NO SLUDGE

PROJECT: River Lagoon SHEET NO. 1 of 1  
CLIENT: Ciba Geigy PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: BARRY WORTHINGTON		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140 lb/30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		
RISER	INTAKE	METHOD:	ELEV	GROUND WELL PROTCSG
			27.0	
MATERIAL		DURATION:	DATE STARTED: 11-MAY-1987	
DIAMETER		YIELD:	DATE COMPLETED: 11-MAY-1987	
COUPLING		OTHER:	INSPECTOR: P. HOWARD	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1989)	RNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-2- 4-5	FILL ORANGE C'ny sand, some silt, TR GRAVEL	7.2		
		S-2	SS	3-3- 2-1		1.2		
	5	S-3	SS	1-2- 1-1	BLACK SLUDGE	38	1.0	
		S-4	SS	11-13- 31-30	COHANSEY FM,	2.4		
		S-5	SS	5-23- 24-24		38		
	10	S-6	SS	3-7- 17-17		11		
		S-7	SS	4-3- 3-5	BROWN AND GRAY Mf SAND	2.2		
		S-8	SS	7-2- 3-9		64		
	15	S-9	SS	6-17- 18-21		32		
		S-10	SS	10-17- 21-32		24		
	20	S-11	SS	8-17- 26-33		9.4		
		S-12	SS	22-20- 35-48		4.6		
	25	S-13	SS	12-14- 17-21		2.2		
		S-14	SS	8-10- 13-16		ND		
	30	S-15	SS	5-7- 5-8	COHANSEY/KIRKWOOD TRANSITIONAL UNIT GRAY f SAND STRATIFIED WITH f SAND AND SILT	6.2		
	35							
	40				END OF BORING @ 30'			

BLACK SLUDGE

PROJECT: River Lagoon		SHEET NO. 1 of 1	
CLIENT: Ciba Geigy		PROJECT NO. 6758	
<b>DRILLING DATA</b>		<b>SAMPLING METHODS</b>	
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE
DRILLER: B. Worthington		TYPE	CORE
EQUIPMENT: Diedrich D-50		DIAMETER	
METHOD: Hollow-stem auger		OTHER	
<b>WELL CONSTRUCTION</b>		<b>WELL DEVELOPMENT</b>	
RISER	INTAKE	METHOD:	ELEV
			23.0
MATERIAL		DURATION:	DATE STARTED: 12 May 87
DIAMETER		YIELD:	DATE COMPLETED: 13 May 87
COUPLING		OTHER:	INSPECTOR: B. Crawley

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-2- 4-4	FILL Orange c-f SAND, no to Some Gravel	ND		
	5	S-2	SS	1-3- 2-4	DK brown to black m-f SAND, little to trace silt	ND		
	5	S-3	SS	6-3- 3-5		ND		
		S-4	SS	4-1- 1-3		10.2		
	10	S-5	SS	1-0- 3-6		7.0		0.3
		S-6	SS	8-9- 11-13	<u>COHANSEY FM.</u> Stratified tan-brown c-f SAND, & silt	8.4	▼ =	
	15	S-7	SS	4-8- 11-16		11.6	PRIMARY COHANSEY	
		S-8	SS	10-10- 14-23		5.5	11/19/85	
		S-9	SS	18-19- 31-34	Gray c-m SAND, no to little f Gravel, & silt	3.5		
	20	S-10	SS	16-21- 27-33		4.2		
		S-11	SS	26-20- 26-32		3.6		
		S-12	SS	22-31- 35-43		2.2		
	25	S-13	SS	31-26- 18-33		1.6		
		S-14	SS	10-17- 25-27		2.6, 6.6		
	30	S-15	SS	10-13- 21-34		11.6		
		S-16	SS	23-18- 29-28		15.2		
	35	S-17	SS	14-7- 6-5	<u>COHANSEY/KIRKWOOD TRANSITIONAL UNIT</u> Gray cm+f SAND, little silt	12.8		
					END OF BORING - 34.0		■ BLACK SLUDGE	
	40							

PROJECT: **River Lagoon**  
CLIENT: **Ciba Celvy**

SHEET NO. **1 of 1**  
PROJECT NO. **6758**

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: <b>Lippincott Engineering</b>		SAMPLER	TUBE	CORE
DRILLER: <b>B. Worthington</b>		TYPE	<b>Split-spoon</b>	
EQUIPMENT: <b>Diedrich D-50</b>		DIAMETER	<b>2"</b>	
METHOD: <b>Hollow-stem auger</b>		OTHER	<b>14 to 16/30" drop</b>	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	<b>27.0</b>
MATERIAL		DURATION:	DATE STARTED:	
DIAMETER		YIELD:	DATE COMPLETED: <b>12 May 87</b>	
COUPLING		OTHER:	INSPECTOR: <b>P. Howard / B. Bradley</b>	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1989)	HNU (pdm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	2-3- 4-4	<u>FILL</u>  yellow & orange c-mf SAND, TRACE GRAVEL, some SILT	ND		
	5	S-2	SS	3-2- 2-2		ND		
		S-3	SS	2-1- 1-1		ND		
		S-4	SS	0-1- 0-1		BLACK SLUDGE LAYERS @ 7.5	2.6	0.1
		S-5	SS	0-1- 6-18		BROWN mf SAND, TR. GR., TR. SILT	ND	
	10	S-6	SS	8-8- 19-36	<u>COHANSEY FM.</u>  GRAY mf SAND, NO TO LITTLE SILT	4.2		
		S-7	SS	10-14- 18-26		1.8		
	15	S-8	SS	7-13- 23-24		2.0		
		S-9	SS	18-14- 19-23		1.2		
		S-10	SS	10-11- 20-26		ND		
	20	S-11	SS	13-11- 16-25		1.8		
		S-12	SS	13-16- 28-40		5.0		
	25	S-13	SS	24-25- 26-1		3.6		
		S-14	SS	27-25- 33-46		8.0		
	30	S-15	SS	11-16- 16-16		18.4		
		S-16	SS	17-11- 14-17	16.2			
	35							
	40							

▼  
PRIMARY  
COHANSEY  
11/19/85

29.4  
COHANSEY/KIRKWOOD  
TRANSITIONAL UNIT  
Gray-white SAND, c-f+  
little SILT  
END OF BORING - 32.0

■ BLACK SLUDGE

PROJECT: River Lagoon


SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS				
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE		
DRILLER: B. Worthington		TYPE	Split-spoon			
EQUIPMENT: Diedrich D-50		DIAMETER	2"			
METHOD: Hollow-stem auger		OTHER	14 to 16/30" dia			
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND	WELL	PROTCSG
RISER	INTAKE	METHOD:	ELEV	27.0		
MATERIAL		DURATION:	DATE STARTED: 13 May 87			
DIAMETER		YIELD:	DATE COMPLETED: 13 May 87			
COUPLING		OTHER:	INSPECTOR: B. Brawley			

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1989)	HNU (DDM)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	4-3- 5-5	<u>FILL</u>	ND		
		S-2	SS	5-6- 8-8	ORANGE-BROWN-GRAY c-f SAND, LITTLE GR	ND		
	5	S-3	SS	10-13- 19-25	<u>COHANSEY FM.</u> ORANGE-BROWN-GRAY c-f SAND, LITTLE GRAVEL, LITTLE SILT	ND		
		S-4	SS	14-11- 12-13	6.5 - Brown-gray m-f GRAVEL and c-m SAND	ND		
	10	S-5	SS	17-9- 10-11	8.2 - Dk brown c-m SAND with f Gravel	2.2		
		S-6	SS	6-9- 11-12	10.4 - Interbedded m-f SAND, little silt 11.2 - org-br-gr m-f GRAVEL, some c-m Sand	1.2		
	15	S-7	SS	5-9- 11-17	14.5 - Brown-gray c-f SAND, little silt 15.1 - Brown-gray c-f SAND, little silt	1.2		
		S-8	SS	5-4- 7-18	Ben-gray c-f SAND, some to trace m-f Gravel	2.0		
		S-9	SS	14-9- 9-25	17.0 -	2.4		
	20	S-10	SS	11-17- 25-27	Dk gray c-f SAND, to silt	3.4		
		S-11	SS	13-12- 26-38		3.8		
		S-12	SS	11-13- 18-22		2.8		
	25				END OF BORING - 24.0			
	30							
	35							
	40							

  
 PRIMARY  
 COHANSEY  
 11/19/85

NO SLUDGE

DRILLING DATA				SAMPLING METHODS			
PROJECT: River Lagoon				SHEET NO. 1 of 1			
CLIENT: Ciba Geigy				PROJECT NO. 675R			
CONTRACTOR: Lippincott Engineering		TYPE		SAMPLER		TUBE	
DRILLER: B. Worthington		DIAMETER		Split-spoon		CORE	
EQUIPMENT: Dietrich D-50		OTHER		140 lb / 30" / cap			
METHOD: Hollow-stem auger		WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG	
RISER		INTAKE		METHOD:		ELEV 27.8	
MATERIAL		DURATION:		DATE STARTED: 15 May 87			
DIAMETER		YIELD:		DATE COMPLETED: 15 May 87			
COUPLING		OTHER:		INSPECTOR: B. Bradley			
WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE		CLASSIFICATION (AFTER BURMISTER, 1969)	HNU (DDM)	REMARKS	Thickness (ft)
		NO.	TYPE				
		S-1	SS	1-4- 4-3	ND	<p>Orange-brown c-f SAND, little Gravel, little Silt</p> <p>----- 4.5 -----</p> <p>BLACK SLUDGE</p> <p><u>COHANSEY FM.</u></p> <p>Gray cm+f SAND, no to some Gravel, trace Silt. Occasional layers of brown-tan-white c-m SAND, no to some f Gravel, little to trace Silt</p> <p>▼ PRIMARY COHANSEY 11/19/85</p> <p>■ BLACK SLUDGE</p>	
		S-2	SS	2-2- 0-1	ND		
	5	S-3	SS	1-1- 0-1	115		
		S-4	SS	0-1- 8-11	210		
	10	S-5	SS	11-23- 27-27	145		
		S-6	SS	5-8- 15-20	108		
		S-7	SS	10-12- 19-20	92		
	15	S-8	SS	5-8- 9-33	74		
		S-9	SS	8-23- 41-43	7.5		
	20	S-10	SS	5-11- 27-21	12.6		
		S-11	SS	7-12- 13-14	12.4		
		S-12	SS	12-8- 12-20	12		
	25	S-13	SS	17-8- 19-22	65		
		S-14	SS	25-12- 13-22	60		
	30	S-15	SS	15-10- 15-21	24		
		S-16	SS	14-7- 11-10	12.8		
		S-17	SS	6-5- 6-8	12.8		
	35	S-18	SS	7-2- 2-1	ND		
				Orange-br-grey f SAND and SILT			
				END OF BORING - 36.0			
	40						

PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS				
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE		
DRILLER: B. Worthington		TYPE	Split-spoon			
EQUIPMENT: Diedrich D-50		DIAMETER	2"			
METHOD: Hollow-stem auger		OTHER	140#/30"drop			
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND	WELL	PROTCSG
	RISER	INTAKE	METHOD:	ELEV	49.0	
MATERIAL			DURATION:	DATE STARTED: 5/18/87		
DIAMETER			YIELD:	DATE COMPLETED: 5/18/87		
COUPLING			OTHER:	INSPECTOR: P. Howard		

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE		CLASSIFICATION (AFTER BURMISTER, 1989)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE				
		S-1	SS	6-10- 11-21		<u>COHANSEY</u>	1.2
	5	S-2	SS	18-32- 50/4			ND
	10	S-3	SS	8-14- 23-33		ORANGE AND WHITE CMF SAND, TR+ SILT, LITTLE GRAVEL	
	15	S-4	SS	4-11- 24-32			ND
	20	S-5	SS	7-10- 13-16			ND
	25	S-6	SS	6-9- 14-16			1.5
	30	S-7	SS	8-12- 15-15		END OF BORING - - - @ 31	2.0
	35						
	40						

▼  
PRIMARY  
COHANSEY  
11/19/85

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140#/30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	46.0
MATERIAL		DURATION:	DATE STARTED: 5/18/87	
DIAMETER		YIELD:	DATE COMPLETED: 5/18/87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1969)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
		S-1	SS	5-8- 10-12	<u>COHANSEY FM.</u>	ND		
	5	S-2	SS	12-10- 11-9		ND		
	10	S-3	SS	6-7- 9-13		ND		
	15	S-4	SS	14-6- 9-12		ND		
	20	S-5	SS	13-8- 11-16		ND		
	25	S-6	SS	9-14- 20-20		ND		
	30	S-7	SS	19-51- 22-23		ND		
	35							
	40							

BROWN, ORANGE, AND WHITE  
mf SAND, SOME SILT

RED c+mf SAND, SOME SILT,  
TRACE + GRAVEL  
END OF BORING @ 31

③ 30  
③ 31


PRIMARY  
COHANSEY  
11/19/85



PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140#/30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	44.0
MATERIAL		DURATION:	DATE STARTED: 5/18/87	
DIAMETER		YIELD:	DATE COMPLETED: 5/18/87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1999)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
		S-1	SS	2-5- 6-6	COHANSEY FM.  BROWN m <sub>f</sub> SAND, TRACE SILT, TRACE f GRAVEL	ND		
	5	S-2	SS	16-11- 11-11		6.5		
	10	S-3	SS	8-16- 24-33		ND		
	15	S-4	SS	7-7- 13-15		ND		
	20	S-5	SS	9-8- 10-17		ND		
	25	S-6	SS	10-10- 15-19		ND		
	30	S-7	SS	7-10- 17-33	END OF BORING	1.0	 PRIMARY COHANSEY 11/19/85	
	35							
	40							

PROJECT: **River Lagoon**  
CLIENT: **Ciba Geigy**

SHEET NO. **1** of **1**  
PROJECT NO. **6758**

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: <b>Lippincott Engineering</b>		SAMPLER	TUBE	CORE
DRILLER: <b>B. Worthington</b>	TYPE	<b>Split-spoon</b>		
EQUIPMENT: <b>Diedrich D-50</b>	DIAMETER	<b>2"</b>		
METHOD: <b>Hollow-stem auger</b>	OTHER	<b>140#/30" drop</b>		
WELL CONSTRUCTION		WELL DEVELOPMENT		
RISER	INTAKE	METHOD:	ELEV	GROUND WELL PROT CSG
			<b>69</b>	
MATERIAL		DURATION:	DATE STARTED: <b>5/20/87</b>	
DIAMETER		YIELD:	DATE COMPLETED: <b>5/20/87</b>	
COUPLING		OTHER:	INSPECTOR: <b>P. Howard</b>	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	3-5- 10-15	<b>COHANSEY FM,</b>  <b>BROWN AND ORANGE Mf SAND, LITTLE SILT, TRACE f GRAVEL</b>	ND		
	5	S-2	SS	MISSING				
	10	S-3	SS	4-6- 7-10				
	15	S-4	SS	8-21- 22-30				
	20	S-5	SS	11-19- 21-26				
	25	S-6	SS	8-12- 20-16				
	30	S-7	SS	8-16- 18-26				<b>4" GRAY CLAY</b> - - - - - <b>@ 30</b>
	35				<b>END OF BORING</b> - - - - - <b>@ 31</b>			
	40							

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140#/30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	70
MATERIAL		DURATION:	DATE STARTED: 5/21/87	
DIAMETER		YIELD:	DATE COMPLETED: 5/21/87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE		CLASSIFICATION (AFTER BURMISTER, 1989)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE				
	0	S-1	SS	3-4- 7-7		COITANSEY FM.	ND
	5	S-2	SS	5-5- 11-14		BROWN, GRAY, AND YELLOW CM f SAND, LITTLE SILT, TRACE f GRAVEL	ND
	10	S-3	SS	13-12- 30-35			ND
	15	S-4	SS	10-7- 9-3			ND
	20	S-5	SS	9-4- 5-6		----- @ 20	ND
	25	S-6	SS	6-11- 17-28		GRAY AND YELLOW SILTY CLAY, TRACE f SAND	1.9
	30	S-7	SS	14-22- 25-34		END OF DRING ----- @ 31	ND
	35						
	40						

PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington	TYPE	Split-spoon		
EQUIPMENT: Diedrich D-50	DIAMETER	2"		
METHOD: Hollow-stem auger	OTHER	140#/30" drop		
WELL CONSTRUCTION		WELL DEVELOPMENT		
RISER	INTAKE	METHOD:	ELEV	GROUND WELL PROTCSG
			69	
MATERIAL		DURATION:	DATE STARTED: 5/21/87	
DIAMETER		YIELD:	DATE COMPLETED: 5/21/87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	3-3- 7-17	COHANSEY FM.  BROWN, ORANGE, WHITE, GRAY CM f SAND, TRACE f GRAVEL INTERLAYERED  WITH TYPICALLY 2 TO 4 INCH THICK WHITE, ORANGE, AND GRAY CLAY LAYERS	ND		
	5	S-2	SS	4-7- 5-8				
	10	S-3	SS	11-9- 10-14				
	15	S-4	SS	11-9- 14-23				
	20	S-5	SS	11-6- 7-10				
	25	S-6	SS	15-6- 4-14				
	30	S-7	SS	12-8- 11-12				
	35				END OF BORING			
	40							

PROJECT: River Lagoon		SHEET NO. 1 of 1	
CLIENT: Liba Geigy		PROJECT NO. 6758	
DRILLING DATA		SAMPLING METHODS	
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE
DRILLER: B. WORTHINGTON	TYPE	Split-spoon	CORE
EQUIPMENT: Diedrich D-50	DIAMETER	2"	
METHOD: Hollow-stem auger	OTHER	142 lb / 30" deep	
WELL CONSTRUCTION		WELL DEVELOPMENT	
RISER	INTAKE	METHOD:	ELEV 33.0
MATERIAL		DURATION:	DATE STARTED: 26-MAY-87
DIAMETER		YIELD:	DATE COMPLETED: 26-MAY-87
COUPLING		OTHER:	INSPECTOR: P. HOWARD

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	3-2- 1-2	FILL TAN C-MY SAND, TR GR, TR SILT @2.7	ND		
	5	S-2	SS	1-1 0-1		25		
	5	S-3	SS	0-1- 0-1	BLACK CAKEY SLUDGE GRADING TO BLACK MOIST SLUDGE	140		11.5
	10	S-4	SS	0-0- 0-0		128		
	10	S-5	SS	1-1- 1-1		260		
	10	S-6	SS	1-1- 1-5		200		
	15	S-7	SS	0-0- 0-0		215		
	15	S-8	SS	1-8- 13-18	COHANSEY FM. DARK GRAY-BLUE f SAND	215		
	20	S-9	SS	5-14- 22-35		12.5	▼ PRIMARY COHANSEY 11/19/85	
	20	S-10	SS	14-24- 44-51		28		
	25	S-11	SS	6-14- 21-30		5.8		
	25	S-12	SS	14-15- 24-32		24		
	25	S-13	SS	16-12- 26-37	GRAY f SAND	4.8		
	30	S-14	SS	20-15- 27-41		8.4		
	30	S-15	SS	11-10- 16-16	COHANSEY/KIRKWOOD TRANSITIONAL UNIT GRAY f SAND, TR SILT	9.0	- "RLSC-17 DEEP SOIL"	
	35				END OF BORING - - - @30 /			
	40							

■ BLACK SLUDGE

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

**DRILLING DATA**

**SAMPLING METHODS**

CONTRACTOR: Lippincott Engineering

SAMPLER

TUBE

CORE

DRILLER: B. WORTHINGTON

TYPE

Split-spoon

EQUIPMENT: Diedrich D-50

DIAMETER

2"

METHOD: Hollow-stem auger

OTHER

140 lb / 30" deep

**WELL CONSTRUCTION**

**WELL DEVELOPMENT**

GROUND

WELL

PROT CSG

RISER

INTAKE

METHOD:

ELEV

28.8

MATERIAL

DURATION:

DATE STARTED: 27-MAY-87

DIAMETER

YIELD:

DATE COMPLETED: 27-MAY-87

COUPLING

OTHER:

INSPECTOR: P. HOWARD

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
		S-1	SS	1-2- 4-4	FILL	ND		
		S-2	SS	3-2- 3-1				
	5	S-3	SS	1-1- 0-1	BLACK CAKEY SLUDGE	-200	5.0	
		S-4	SS	1-1- 0-1				
	10	S-5	SS	1-8- 16-13	COHANSEY FM.	-84		
		S-6	SS	4-7- 25-24				
	15	S-7	SS	6-12- 14-18	BROWN AND GRAY M+ SAND AND TR + GRAVEL	-22		
		S-8	SS	7-6- 9-17-				
		S-9	SS	6-9- 11-14	PRIMARY COHANSEY	-18.8	11/19/85	
		S-10	SS	11-20- 27-28				
	20	S-11	SS	10-12- 26-42	BLUE-GRAY C+M+ SAND, TR GRAVEL	-20	SS	
		S-12	SS	10-22- 32-28				
	25	S-13	SS	5-11- 15-20	GRAY C+M+ SAND ALTERNATING WITH GRAY + SAND AND SILT	-9.8	ND	
		S-14	SS	10-15- 14-17				
	30	S-15	SS	10-7- 8-10	END OF BORING	-50	"RLSC-18 DEEP SOIL"	
	35							
	40							

■ BLACK SLUDGE

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington		TYPE	Split-spoon	
EQUIPMENT: Diedrich D-50		DIAMETER	2"	
METHOD: Hollow-stem auger		OTHER	140 lb / 30" drop	
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	29.0
MATERIAL		DURATION:	DATE STARTED: 28 May 87	
DIAMETER		YIELD:	DATE COMPLETED: 28 May 87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1969)	EQU REMARKS (pdm)	Thickness (ft)	
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	2-2- 2-3	FILL  Brown cmf SAND, to mf Gravel, to + Silt	ND		
	5	S-2	SS	1-1- 1-1		ND		
	5	S-3	SS	1-1- 0-1		S-2 - - - - -	120	
	5	S-4	SS	1-0- 1-1		BLACK SLUDGE @ 8	194	2.8
	10	S-5	SS	2-21- 22-13	COHANSEY FM  Brown cmf SAND, little mf Gravel, to Silt Occasional layers of Brown mf SAND, Gray f SAND or white mf SAND	120		
	10	S-6	SS	4-2- 6-13		78		
	15	S-7	SS	8-11- 13-18		45		
	15	S-8	SS	7-10- 10-23		18	PRIMARY COHANSEY 11/19/85	
	15	S-9	SS	11-14- 18-21		4.0		
	20	S-10	SS	5-17- 22-26		1.0		
	20	S-11	SS	7-9- 15-19		2.4		
	25	S-12	SS	12-6- 15-21		ND		
	25	S-13	SS	8-11- 13-16		ND		
	25	S-14	SS	11-13- 19-14		1.8		
	30	S-15	SS	10-6- 7-10		3.6		
	30	S-16	SS	10-3- 3-2	305 COHANSEY/KIRKWOOD TRANSITIONAL UNIT white to gray T SAND	2.0	"RLSC-19 DEEP SIL"	
	35				END OF BORING - 32.0			
	40						BLACK SLUDGE	

PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. WORTHINGTON	TYPE	Split-spoon		
EQUIPMENT: Diedrich D-50	DIAMETER	2"		
METHOD: Hollow-stem auger	OTHER	140 lb/30" deep		
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
	RISER	INTAKE	METHOD:	ELEV 56.6
MATERIAL			DURATION:	DATE STARTED: 21-MAY-1987
DIAMETER			YIELD:	DATE COMPLETED: 21-MAY-1987
COUPLING			OTHER:	INSPECTOR: P. HOWARD

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE			CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE	BLOWS PER 6 INCHES				
	0	S-1	SS	1-1- 2-1	<p><u>FILL</u></p> <p>BLACK CAKEY SLUDGE WITH MATRIX OF SAND, TRS GRAVEL (ESTIMATE: 70% SLUDGE, 30% PARTICLES)</p>	4.0		
	5	S-2	SS	1-3- 3-2		2.4		
	10	S-3	SS	1-1- 1-1		1.2	13.0	
	15	S-4	SS	1-1- 1-1		6.4		
	20	S-5	SS	2-1- 1-2		4.8		
	25	S-6	SS	2-1- 2-2		3.8		
	30	S-7	SS	1-1- 1-1		3.5		
	35	S-8	SS	1-9- 11-13		15.8		
	40	S-9	SS	9-14- 15-17		2.5		
	45	S-10	SS	6-6- 6-7		1.8		
	50	S-11	SS	9-6- 7-10		3.8		
	55	S-12	SS	7-9- 10-14		5.8		
	60	S-13	SS	9-14- 20-23		1.80		
	65	S-14	SS	9-10- 12-17		9.0		
	70	S-15	SS	7-9- 10-6			AT OR DEEPER COHANSEY YELLOW CLAY	
	75							
	80							
	85							
	90							
	95							
	100							

■ BLACK SLUDGE



PROJECT: River Lagoon

SHEET NO. 1 of 1

CLIENT: Ciba Geigy

PROJECT NO. 6758

**DRILLING DATA**

**SAMPLING METHODS**

CONTRACTOR: Lippincott Engineering

SAMPLER

TUBE

CORE

DRILLER: B. WORTHINGTON

TYPE

Split-spoon

EQUIPMENT: Diedrich D-50

DIAMETER

2"

METHOD: Hollow-stem auger

OTHER

140 lb/30" drop

**WELL CONSTRUCTION**

**WELL DEVELOPMENT**

GROUND

WELL

PROTCSG

RISER

INTAKE

METHOD:

ELEV

35.0

MATERIAL

DURATION:

DATE STARTED: 22-MAY-1987

DIAMETER

YIELD:

DATE COMPLETED: 22-MAY-1987

COUPLING

OTHER:

INSPECTOR: P. HOWARD

**WELL CONSTRUCTION**

DEPTH (FEET)

**SAMPLE**

**CLASSIFICATION (AFTER BURMISTER, 1959)**

HNU (ppm)

REMARKS

Thickness (ft)

NO. TYPE BLOWS PER 6 INCHES

S-1 SS 2-2-6-6

S-2 SS 3-2-1-2

S-3 SS 2-2-6-6

S-4 SS 1-1-1-2

S-5 SS 1-1-1-1

S-6 SS 1-1-1-1

S-7 SS 0-1-0-1

S-8 SS 1-4-7-11

S-9 SS 6-7-11-13

S-10 SS 5-10-13-21

S-11 SS 7-11-11-11

S-12 SS 5-9-9-12

S-13 SS 6-8-11-13

S-14 SS 7-7-7-7

FILL  
ORANGE CM SAND, TR SILT  
INTERLAYERED WITH HORIZONS  
OF BLACK DRIED SLUDGE

BLACK AND DARK BROWN  
PASTY SLUDGE GRADING TO  
BLACK WET SLUDGE

COHANSEY FM.  
DRY, ORANGE M SAND

ORANGE CM SAND  
STRATIFIED WITH DARK ORANGE  
CM SAND

ORANGE SILT, LITTLE SAND & GR  
GRAY CLAY  
END OF BORING

1.0

2.3

1.5

ND

250

38

@14.5

380

1.6

10.4

4.4

1.8

13

@23

@27

@27.8

2.4

@28

0.2

0.2

6.5

▽  
= SATURATION

■ BLACK SLUDGE

PROJECT: River Lagoon  
CLIENT: Ciba Geigy

SHEET NO. 1 of 1  
PROJECT NO. 6758

DRILLING DATA		SAMPLING METHODS		
CONTRACTOR: Lippincott Engineering		SAMPLER	TUBE	CORE
DRILLER: B. Worthington	TYPE	Split-spoon		
EQUIPMENT: Diedrich D-50	DIAMETER	2"		
METHOD: Hollow-stem auger	OTHER	140#/30" drop		
WELL CONSTRUCTION		WELL DEVELOPMENT		GROUND WELL PROTCSG
RISER	INTAKE	METHOD:	ELEV	54.2
MATERIAL		DURATION:	DATE STARTED: 5/26/87	
DIAMETER		YIELD:	DATE COMPLETED: 5/26/87	
COUPLING		OTHER:	INSPECTOR: P. Howard	

WELL CONSTRUCTION	DEPTH (FEET)	SAMPLE		CLASSIFICATION (AFTER BURMISTER, 1959)	HNU (ppm)	REMARKS	Thickness (ft)
		NO.	TYPE				
		S-1	SS	1-4- 2-4		FILL	2.2
		S-2	SS	5-5- 5-2		BLACK AND BROWN M <sub>f</sub> SAND AND DRY BLACK SLUDGE @4	4
	5	S-3	SS	2-2- 1-1		TAN f SAND AND SILT	4.8
		S-4	SS	1-1- 1-1			5.8
	10	S-5	SS	1-1- 3-5		BLACK M <sub>f</sub> SAND AND DRY SLUDGE @9.5	15
		S-6	SS	4-7- 10-4		COHANSEY FM.	ND
		S-7	SS	2-2- 1-1		ORANGE AND WHITE M <sub>f</sub> SAND, TRACE SILT	5.5
	15	S-8	SS	8-6- 7-10			ND
		S-9	SS	8-6- 8-10			ND
		S-10	SS	7-8- 10-12			ND
	20	S-11	SS	8-4- 10-13			ND
		S-12	SS	5-5- 9-14			2.6
	25	S-13	SS	8-9- 11-13			ND
		S-14	SS	6-6- 5-6		SATURATION	60
	30	S-15	SS	3-1- 3-6		OR AND GREEN MOTTLED CLAY	25
						END OF BORING @30'	
	35						
	40						

■ BLACK SLUDGE

PROJECT: *TOM'S RIVER CHEMICAL*

SHEET NO. *1 of 1*

CLIENT: *CIBA GEIGY*

PROJECT NO.: *6359*

CONTRACTOR: *ENGINEERING MILLERS* EQUIPMENT: *AUGER*

TYPE: RISER INTAKE DRILLING METHOD: \_\_\_\_\_ GROUND WELL PROCSG

DIAMETER: \_\_\_\_\_ TYPE: \_\_\_\_\_ CASING SAMPLER CORE TUBE ELEV.: \_\_\_\_\_

COUPLING: \_\_\_\_\_ DIAM: \_\_\_\_\_ 5' SAMPLER DATE STARTED: *11/19/85*

WEIGHT: \_\_\_\_\_ 3/4 DATE COMPLETED: *11/20/85*

FALL: \_\_\_\_\_ DRILLER: *TONY*

INSPECTOR: *B. JOUHENTY*

WELL CONSTRUCTION	DEPTH FT	SAMPLE			CLASSIFICATION	REMARKS
		NO.	TYPE	BLOWS PER 6 inches		

WELL CONSTRUCTION	DEPTH FT	NO.	TYPE	BLOWS PER 6 inches	CLASSIFICATION	REMARKS
	0	1			<i>ORANGE C.M. SAND, to F GRAVEL</i>	<i>100 ppm w/linu</i>
	5	2			<i>@ 5' BROWN SLUDGE MIXED w/ORGANIC FINE SAND (STAINED)</i>	<i>60 ppm</i>
	10	3				<i>30 ppm</i>
	15	4			<i>@ 15' FINE GRAVEL (M-1) SOIL</i>	<i>40 ppm</i>
	20	5		<i>NA</i>		
	25	6		<i>NR</i>		
	30	7	<i>SS</i>		<i>@ 30' ... C.M. SAND (FINE SAND (GRAVEL RESIDUE))</i>	<i>10 ppm ... 2 ppm</i>
	35	8	<i>SS</i>	<i>30-10</i>		<i>ND w/linu</i>
				<i>4-2</i>		
		9	<i>SS</i>	<i>1-1</i>	<i>@ 37' ORANGE &amp; WHITE Mottled FINE SAND AND CLAY ...</i>	<i>ND w/linu</i>
				<i>2-2</i>		
	40				<i>39'</i>	
					<i>END OF BORING</i>	

PROJECT: *TRMS RIVER MUNICIPAL*

SHEET NO. *1 of 1*

CLIENT: *CIBA - GEISY*

PROJECT NO.: *6357*

CONTRACTOR: *ENGINEERING DRILLERS* EQUIPMENT: *AUGER*

TYPE: RISER INTAKE DRILLING METHOD: CASING SAMPLER CORE TUBE ELEV.: GROUND WELL PROTCSG

DIAMETER TYPE DATE STARTED: *11/20/85*

COUPLING DIAM DATE COMPLETED: *11/20/85*

WELL CONSTRUCTION WEIGHT DRILLER: *TBM*

FALL INSPECTOR: *B. JOSEPH*

WELL CONSTRUCTION	DEPTH FT	SAMPLE			CLASSIFICATION	REMARKS
		NO.	TYPE	BLOWS PER 6 INCHES		
	0					
	1	1			ORANGE C-M-F SAND (FILL MATERIAL)	
	2	2				5 ppm $\frac{1}{1000}$
	3	3				
	4	4				
	5	5			BROWN (STAINED) C-M-F SAND & FILL MATERIAL	
	6	6				14'
	7	7			BLACK & BROWN (STAINED) FINE SAND	30 ppm $\frac{1}{1000}$
	8	8			@ 12' - 30' LIGHT ORANGE (M-F SAND) CLAYEY SILT	5 ppm $\frac{1}{1000}$
	9	9			BLACK & BROWN (STAINED) M-F SAND	110 $\frac{1}{1000}$
	10				ORANGE & WHITE M-F SAND, & CLAYEY SILT	(No readings were available since 10' below)
	11				END OF BORING	
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39					
	40					
	41					
	42					
	43					
	44					
	45					

PROJECT: *TRANS. R.I.L.R. CONSTRUCTION*

SHEET NO. *01*

CLIENT: *C&D BLDG*

PROJECT NO.:

CONTRACTOR: *ENGINEERING DRILLERS* EQUIPMENT: *AUGER*

TYPE	RISER	INTAKE	DRILLING METHOD:				GROUND WELL	PROTCSG
DIAMETER			CASING	SAMPLER	CORE	TUBE	ELEV.:	
COUPLING				<i>SS</i>			DATE STARTED: <i>11/31/85</i>	
WELL CONSTRUCTION	DEPTH FT	SAMPLE	DIAM	WEIGHT	FALL		DATE COMPLETED: <i>11/21/85</i>	
				<i>140 LBS</i>	<i>30 IN</i>		DRILLER: <i>TOM</i>	
							INSPECTOR: <i>E. J. CUSICK, R.I.P.</i>	

DEPTH FT	NO.	TYPE	BLOWS PER 6 INCHES	CLASSIFICATION	REMARKS
0	1			<i>ORANGE C-M SAND, L.F. GRAVEL</i>	
3	2			<i>BROWN STAINED C-M F SAND L.F. GRAVEL</i>	<i>500 ppm w/1100</i>
6	3			<i>BROWN STAINED M-F SAND</i>	<i>30 ppm w/1100</i>
9	4				<i>5 ppm w/1100</i>
12	5				
15	6				
18	7				<i>5 ppm w/1100</i>
21	8			<i>18' BROWN FINE SAND GRAVEL WITH GREY M-F SAND</i>	
24	9				<i>150 ppm w/1100</i>
27	10			<i>ORANGE C-M F SAND</i>	
30	11				<i>150 ppm w/1100</i>
33	12				
36	13				
39	14				
42	15				<i>5 ppm w/1100</i>
45	16			<i>ORANGE C-M (+) F SAND GRAVEL AND ORANGE F SAND AND - CLAYEY SILT</i>	
48	17			<i>38' ORANGE C-M SAND 38.5' GREY MICHIGAN M-F SAND</i>	<i>ND w/1100</i>

PROJECT: *IONS RIVER CHANNEL*

SHEET NO. *01*

CLIENT: *CBA-RELY*

PROJECT NO.:

CONTRACTOR: *ENGINEERING DRILLER EQUIPMENT: AUGER*

TYPE	RISER	INTAKE	DRILLING METHOD:				ELEV.:	GROUND WELL	PROTCSG
DIAMETER			CASING	SAMPLER	CORE	TUBE			
COUPLING				<i>SS</i>			DATE STARTED: <i>11/21/85</i>		
			DIAM	<i>2 IN</i>			DATE COMPLETED: <i>11/22/85</i>		
			WEIGHT	<i>140 lbs</i>			DRILLER: <i>Tom</i>		
			FALL	<i>30 IN</i>			INSPECTOR: <i>B. DUBIELTY</i>		

WELL CONSTRUCTION	DEPTH FT	SAMPLE			CLASSIFICATION	REMARKS
		NO.	TYPE	BLOWS PER 6 INCHES		
					<i>DRUDGE C-M-F SAND (Fill Material)</i>	
	5	<i>1</i>	<i>SS</i>			<i>NO</i>
		<i>2</i>	<i>SS</i>			
		<i>3</i>	<i>SS</i>			
	10	<i>4</i>	<i>SS</i>			
		<i>5</i>	<i>SS</i>			
	15	<i>6</i>	<i>SS</i>		<i>GREEN C-M-F SAND (Fill Material)</i>	
		<i>7</i>	<i>SS</i>		<i>Green (stone) gravel</i>	<i>10</i>
		<i>8</i>	<i>SS</i>		<i>Small Blue (stone) C-M-F SAND</i>	
	20	<i>9</i>	<i>SS</i>		<i>UNIFORM STRUCTURE</i>	<i>20</i>
		<i>10</i>	<i>SS</i>			
	25	<i>11</i>	<i>SS</i>			
		<i>12</i>	<i>SS</i>		<i>Greenish Blue Uniform C-M-F SAND</i>	
	30	<i>13</i>	<i>SS</i>			<i>50</i>
		<i>14</i>	<i>SS</i>			<i>175</i>
		<i>15</i>	<i>SS</i>			<i>200</i>
	35	<i>16</i>	<i>SS</i>		<i>Greenish Blue Uniform C-M-F SAND to Fine Gravel</i>	<i>3</i>
		<i>17</i>	<i>SS</i>			<i>2</i>
	40	<i>18</i>	<i>SS</i>			<i>1</i>
		<i>19</i>	<i>SS</i>			
	45	<i>20</i>	<i>SS</i>		<i>Small Greenish Blue Uniform C-M-F SAND, to Fine Gravel</i>	<i>1</i>



PROJECT: *TOM'S RIVER CHEMICAL*

SHEET NO. *1 of 1*

CLIENT: *CIBA-GEIGY*

PROJECT NO.: *6259*

CONTRACTOR: *ENGINEERING SERVICES* EQUIPMENT: *AUECL*

TYPE	RISER	INTAKE	DRILLING METHOD:				GROUND	WELL	PROT.CSG
			CASING	SAMPLER	CORE	TUBE	ELEV.: <i>254</i>		

DIAMETER		TYPE					DATE STARTED:
				<i>SS</i>			

COUPLING		DIAM					DATE COMPLETED:
			<i>2 IN</i>				

WELL CONSTRUCTION		WEIGHT					DRILLER: <i>TOM</i>
		FALL	<i>140 LBS</i>				INSPECTOR: <i>B. DAUGHERTY</i>

DEPTH FT	SAMPLE			CLASSIFICATION	REMARKS
	NO.	TYPE	BLOWS PER 6 INCHES		
0					
1	<i>1</i>	<i>SS</i>		<i>ORANGE C-M SAND (FILL MATERIAL)</i>	
2	<i>2</i>	<i>SS</i>		<i>@ 4' BLACK SLUDGE LAYER</i>	<i>150 fpm w/ HNU</i>
3	<i>3</i>	<i>SS</i>			
4	<i>4</i>	<i>SS</i>			
5	<i>5</i>	<i>SS</i>			
6	<i>6</i>	<i>SS</i>			
7	<i>7</i>	<i>SS</i>			
8	<i>8</i>	<i>SS</i>			
9	<i>9</i>	<i>SS</i>			
10	<i>10</i>	<i>SS</i>			
11	<i>11</i>	<i>SS</i>			
12	<i>12</i>	<i>SS</i>			
13	<i>13</i>	<i>SS</i>			
14	<i>14</i>	<i>SS</i>			
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					



PROJECT: *TONS RIVER CHEMICAL*

SHEET NO. *1 of 1*

CLIENT: *CIAA-GEELY*

PROJECT NO.: *6357*

CONTRACTOR: *ENGINEERING DRILLER* EQUIPMENT: *AUGER*

TYPE	RISER	INTAKE	DRILLING METHOD:				ELEV.: <i>249</i>	GROUND WELL	PROTCSG
			CASING	SAMPLER	CORE	TUBE			

DIAMETER		TYPE		<i>SS</i>		DATE STARTED: <i>12/2/85</i>
----------	--	------	--	-----------	--	------------------------------

COUPLING		DIAM		<i>2 IN</i>		DATE COMPLETED: <i>12/2/85</i>
----------	--	------	--	-------------	--	--------------------------------

WEIGHT				<i>140 LBS</i>		DRILLER: <i>Tom</i>
--------	--	--	--	----------------	--	---------------------

FALL				<i>30 IN</i>		INSPECTOR: <i>B DOUGHERTY</i>
------	--	--	--	--------------	--	-------------------------------

WELL CONSTRUCTION	DEPTH FT	SAMPLE			CLASSIFICATION	REMARKS
		NO.	TYPE	BLOWS PER 6 INCHES		

WELL CONSTRUCTION	DEPTH FT	NO.	TYPE	BLOWS PER 6 INCHES	CLASSIFICATION	REMARKS
	0					
	1	<i>1</i>	<i>SS</i>		<i>BROWN C-M-F SAND &amp; SLUDGE LIKE LAYERS</i>	
	2	<i>2</i>	<i>SS</i>			
	3	<i>3</i>	<i>SS</i>			
	4	<i>4</i>	<i>SS</i>			
	5	<i>5</i>	<i>SS</i>			
	10	<i>6</i>	<i>SS</i>		<i>@ 10'-10' TAN FINE SAND CLAY LENSE @ BOTTOM OF SAND</i>	<i>120 ppm /MINU</i>
	12	<i>7</i>	<i>SS</i>		<i>@ 12' ORANGE &amp; TAN MOTTLED SILTY CLAY</i>	
	15	<i>8</i>	<i>SS</i>		<i>@ 14'-16' TAN FINE SAND w/ LAMINATIONS &amp; ORANGE FINE SAND (VERY W. SAND)</i>	
	20	<i>9</i>	<i>SS</i>		<i>@ 18'-20' TAN FINE SAND w/ LAMINATIONS OF TAN CLAY</i>	<i>120 ppm</i>
	25	<i>10</i>	<i>SS</i>		<i>@ 20' ORANGE F SAND GRABBS INTO C-M-F SAND w/ ORANGE SILTY CLAY LAMINATIONS</i>	
	30	<i>11</i>	<i>SS</i>			
	31	<i>12</i>	<i>SS</i>		<i>@ 31' BLACK SANDY C-M-F SAND</i>	<i>150 ppm /MINU</i>
	35	<i>13</i>	<i>SS</i>			<i>22 ppm /MINU</i>
	38	<i>14</i>	<i>SS</i>			<i>10 ppm /MINU</i>
	40	<i>15</i>	<i>SS</i>			
	45	<i>16</i>	<i>SS</i>			
	50	<i>17</i>	<i>SS</i>			
	55	<i>18</i>	<i>SS</i>			
	60	<i>19</i>	<i>SS</i>			
	65	<i>20</i>	<i>SS</i>			
	70	<i>21</i>	<i>SS</i>			
	75				<i>END OF BORING</i>	<i>ND</i>

**APPENDIX B**



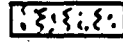

**NUS/USEPA BORING LOGS**

TDD NO. 02-8408-04B  
 PROJECT NAME Toms River Chemical Co  
 LOCATION RI-A-1  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH 0995  
 EAST 3911  
 CONTRACTOR A.C. SCHULTZ & SONS INC LOGGED BY J. GREGG  
 DRILLING METHOD HOLLOW STEM AUGER

DATE: START 9/14/85 FINISH 9/15/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +28.2  
 GROUND WATER  
 DEPTH OF HOLE 16.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TRIPKE  
 SHEET 1 OF 1

**GEOLOGIC PROFILE**

DEPTH (FT)	ELEV. (FT.)	SYM SOL	SAMPLE			ROD %	ANALYTICAL RESULTS						
			TYPE AND NO.	BLOWS OR REC.	DEPTH RANGE (FT.)								
			SS-1	11-5-3-2	2-4	0.85	BW 1						
5			SS-2	4-3-2-1	4-6	0.75	Chlorobenzene	2100	Cr	1019			
							Toluene	74100	Cu	1168			
							Ethylbenzene	18000	Pb	195			
							Xylenes	49000	Hg	17			
							2-Hexanone	3100	Va	210			
							4-Methyl-2-Pentanone	2800					
			SS-3	5-3-2-2	6-8	2.00	BW 2						
			BW 1				Chlorobenzene	26	Cr	17			
							Toluene	510	Pb	21			
							Ethylbenzene	68					
							Xylenes	290					
			SS-4	0-1-19-35	8-10	2.00	4-Methyl-2-Pentanone	5					
10							1,2-Dichloropropane	9					
							BW 3						
			SS-5	4-4-25-26	10-12	2.00			Cr	9.1			
			BW 2						Pb	4.3			
									Hg	0.45			
			SS-6	14-15-18-29	12-14	1.40	BW 4						
			BW 3				Toluene	12000	Cr	435			
							Ethylbenzene	2300	Cu	553			
							Xylenes	2900	Pb	97			
15			SS-7	18-13-21-21	14-16	1.30	2-Hexanone	1100	Hg	1.7			
			BW 4				4-Methyl-2-Pentanone	1800	Va	93			












<p><b>SYMBOLS</b></p> <p> SLUDGE</p> <p> SAND/GRAVEL</p> <p> STAINED SAND</p> <p> CLAY</p>	<p><b>ANALYTICAL RESULTS</b></p> <p>ORGANICS IN ug/kg</p> <p>INORGANICS IN mg/kg</p>	<p><b>FIGURE 3.3</b></p> <p><b>BOREHOLE LOG AND CHEMICAL ANALYSES</b></p>
--	--	---





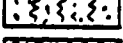

TDD NO. 02-8408-04B  
 PROJECT NAME TOM RIVER CHEMICAL Co.  
 LOCATION RT-A-3  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH 0487  
 EAST 8338  
 CONTRACTOR A.C. SCHMITZ & SONS, INC. LOGGED BY J. GREIS  
 DRILLING METHOD HOLLOW STEM AUGER

DATE START 9/11/81 FINISH 9/11/81  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +27.6  
 GROUND WATER  
 DEPTH OF HOLE 18.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TRIPKE  
 SHEET 1 OF 1

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	SAMPLE			ROD %	ANALYTICAL RESULTS
			TYPE AND No.	BLOBS OR REC.	DEPTH RANGE (FT.)		
							<u>BW 10</u>
			SS-1	25-9-4-4	2-4	1.40	Cr 16 Pb 21 Hg 0.31
5			SS-2	10-4-3-15	4-6	1.50	<u>BW 11</u> Cr 4.20 Pb 4.61 Hg 0.61
			SS-3	5-1-3-17	6-8	1.50	
			BW 11				
			SS-4	6-1-19-18	8-10	1.75	
10			SS-5	6-7-10-13	10-12	2.00	<u>BW 12</u> Cr 25 Pb 4.4 Hg 2.2 Cu 21
			SS-6	17-10-15-25	12-14	2.00	
			BW 12				<u>BW 13</u> Cr 61 Pb 13 Hg 1.3 Cu 67
15			SS-7	17-15-15-11	14-16	1.80	
			SS-8	9-9-12-13	16-18	2.00	
			BW 13				

**SYMBOLS**

	SLUDGE
	SAND/GRAVEL
	STAINED SAND
	CLAY

**ANALYTICAL RESULTS**

ORGANICS IN ug/kg  
 INORGANICS IN mg/kg

**FIGURE 3.5**  
**BOREHOLE LOG AND**  
**CHEMICAL ANALYSES**



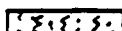

TDD NO. 02-9409-04 B  
 PROJECT NAME Toms River Chemical Co.  
 LOCATION RI-A-4  
 DIAMETER : CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH 0569  
 EAST 3720  
 CONTRACTOR A.C. SCHULTES & SONS, INC. LOGGED BY J. GRELLS  
 DRILLING METHOD HOLLOW STEM AUGER

DATE: START 9/11/85 FINISH 9/12/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +27.8  
 GROUND WATER  
 DEPTH OF HOLE 18.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TEJKE  
 SHEET 1 OF 1

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	SAMPLE			ROD %	ANALYTICAL RESULTS
			TYPE AND No.	BLOWS OR REC.	DEPTH RANGE (FT.)		
							BW 14
			SS-1	11-10- 0-10	2-4	1.60	Pb 3.1 Hg 0.12
							BW 15
5			SS-2	12-9- 5-4	4-5	1.20	Toluene 1800 Cr 0.24 Hg 0.24
							BW 16
			SS-3	7-15- 36-46	6-8	2.00	Cr 12 Pb 6.9 Hg 0.31
							BW 17
-10			SS-4	26-35- 38-43	8-10	2.00	
							BW 17
			SS-5	23-22- 30-25	10-12	2.00	Cr 6.29 Hg 6.29
			SS-6	10-12- 2-14	12-14	2.00	
15			SS-7	7-7- 11-18	14-16	2.00	
			SS-8	9-15- 20-19	16-18	2.00	

**SYMBOLS**

	SLUDGE
	SAND/GRAVEL
	STAINED SAND
	CLAY

**ANALYTICAL RESULTS**

ORGANICS IN ug/kg  
 INORGANICS IN mg/kg

**FIGURE 3.6**  
**BOREHOLE LOG AND**  
**CHEMICAL ANALYSES**


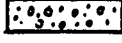

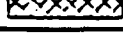
TDD NO. C2-5469-64B  
 PROJECT NAME TODD RIVER CHEMICAL CO.  
 LOCATION RI-A-5  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH 0366  
 EAST 3745  
 CONTRACTOR A.C. SCHULTZ & SONS, INC. LOGGED BY J. GREIS CHECKED BY R. TEIFKE  
 DRILLING METHOD HOLLOW STEM AUGER SHEET 1 OF 1

DATE: START 9/12/85 FINISH 9/13/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +28.9  
 GROUND WATER \_\_\_\_\_  
 DEPTH OF HOLE 18.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	TYPE AND No.	SAMPLE SLOWS OR REC.	DEPTH RANGE (FT.)	ROD %	ANALYTICAL RESULTS (ppb)	
							ORGANICS	INORGANICS
				3-2- 3-4	2-4	1:10		
							<b>BW 18</b>	
5			SS-2	5-2- 4-4	4-6	1:30		Cu 100 Pb 150 Hg 6.6 0.59
							<b>BW 19</b>	
			SS-3	2-5- 3-4	6-8	1:25	Toluene 4300 Xylenes 4200 2,4,6-Trichlorophenol 3800	Cu 83 Pb 12 Hg 0.47
							<b>BW 20</b>	
10			SS-4 BW 18	0-1- 1-1	8-10	1:70		
							<b>BW 21</b>	
			SS-5 BW 19	1-2- 16-20	10-12	2:30	Toluene 1500	Cu 327 Pb 348 Hg 19 Va 1.9 38
			*		12-14			
							<b>BW 22</b>	
15			SS-6 BW 20	13-25- 14-15	14-16	2:00		Cu 114 Pb 316 Hg 30 9.7 36
			SS-7 BW 21	5-12- 25-35	16-18	2:00		

**SYMBOLS**

-  SLUDGE
-  SAND/GRAVEL
-  STAINED SAND
-  CLAY

**ANALYTICAL RESULTS**

ORGANICS IN ug/kg  
 INORGANICS IN mg/kg

**FIGURE 3.7**  
**BOREHOLE LOG AND**  
**CHEMICAL ANALYSES**

TDD NO. 02-2409-04B  
 PROJECT NAME Toms River Chemical Co.  
 LOCATION RT-A-6  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH -2967  
 EAST 3205  
 CONTRACTOR A.C. SCHULTZ & SONS, INC. LOGGED BY \_\_\_\_\_  
 DRILLING METHOD HOLLOW STEM AUGER

DATE: START 9/13/85 FINISH 9/16/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +52.7  
 GROUND WATER \_\_\_\_\_  
 DEPTH OF HOLE 36.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TEIFKE  
 SHEET 1 OF 2

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	SAMPLE		DEPTH RANGE (FT.)	ROD %	ANALYTICAL RESULTS
			TYPE AND No.	BLOWS OR REC.			
							<b>BW 22</b> Tetrachloroethene 21000 Cr 1623 Cu 2453 Pb 321 Hg 240 Ni 26 Vt 120
			SS-1	3-2- 2-5	2-4	0.80	
			<b>BW 22</b>				
5			SS-2	18-20- 24-25	4-6	2.00	<b>BW 23</b> Cr 1659 Cu 1611 Pb 268 Hg 65
			<b>BW 23</b>				
			SS-3	26-27- 15-19	6-8	1.60	<b>BW 24</b> Tetrachloroethene 21000 Toluene 5400 Xylenes 990 Cr 995 Cu 1057 Pb 186 Hg 65
10			SS-4	19-23- 20-17	8-10	1.50	
			<b>BW 24</b>				
			SS-5	10-15- 15-17	10-12	1.30	<b>BW 25</b> Cr 936 Cu 1034 Pb 241 Hg 0.57 Vt 35
			SS-6	7-7- 18-17	12-14	1.40	
			<b>BW 25</b>				
15			SS-7	8-14- 19-22	14-16	1.25	
			SS-8	14-18- 14-16	16-18	1.40	
			SS-9	11-1- 10-17	18-20	1.30	




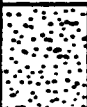

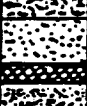


<p><b>SYMBOLS</b></p> SLUDGE SAND/GRAVEL STAINED SAND CLAY	<p><b>ANALYTICAL RESULTS</b></p> <p>ORGANICS IN ug/kg          INORGANICS IN mg/kg</p>	<p><b>FIGURE 3.8</b></p> <p><b>BOREHOLE LOG AND</b></p> <p><b>CHEMICAL ANALYSES</b></p>
---	--	---






TDD NO. 02-9402-04B  
 PROJECT NAME TOUG RIVER CHEMICAL Co.  
 LOCATION RI-A-6  
 DIAMETER : CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH -2967  
 EAST 3205  
 CONTRACTOR A.C. SCHULTES & SONS, INC. LOGGED BY J. GREIN  
 DRILLING METHOD HOLLOW STIRN AUGER

DATE: START 9/13/85 FINISH 9/16/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE + 52.7  
 GROUND WATER \_\_\_\_\_  
 DEPTH OF HOLE 36.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TEIPKE  
 SHEET 2 OF 2

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM SOL	SAMPLE			ROQ %	ANALYTICAL RESULTS
			TYPE AND No.	BLOWS OR REC.	DEPTH RANGE (FT.)		
			SS-10	15-18- 25-20	20-22	1.40	
			SS-11	10-18- 19-24	22-24	1.30	
25			SS-12	15-21- 25-26	24-26	1.30	
			SS-13	15-18- 22-26	26-28	1.35	
			SS-14	10-16- 23-17	28-30	1.25	
30			SS-15	0-17- 18-20	30-32	1.30	
			SS-16	7-10- 13-23	32-34	2.00	
35			SS-17	9-12- 13-19	34-36	2.00	

**SYMBOLS**

-  SLUDGE
-  SAND/GRAVEL
-  STAINED SAND
-  CLAY

**ANALYTICAL RESULTS**

ORGANICS IN ug/kg  
 INORGANICS IN mg/kg

**FIGURE 3.8**



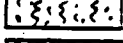

**BOREHOLE LOG AND  
 CHEMICAL ANALYSES**

TDD NO. 02-8409-04B  
 PROJECT NAME Toms River Chemical Co.  
 LOCATION RI-A-7  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH -2330  
 EAST 3222  
 CONTRACTOR A.C. SCHULTZ & SONS, INC. LOGGED BY J. GREIG  
 DRILLING METHOD HOLLOW STEM AUGER

DATE: START 9/16/87 FINISH 9/17/87  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +47.3  
 GROUND WATER \_\_\_\_\_  
 DEPTH OF HOLE 28.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TEIFKE  
 SHEET 1 OF 2

**GEOLOGIC PROFILE**

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	SAMPLE			ROD %	ANALYTICAL RESULTS
			TYPE AND No.	BLOWS OR REC.	DEPTH RANGE (FT.)		
							<b>BW 28</b>
			SS-1	6-4- 2-2	2-4	1.00	2-Hexanone 170 Tetrachloroethene 39 Cu 909 Pb 142 Hg 64 Zn 646
5			SS-2	4-2- 1-1	4-6	1.60	<b>BW 29</b>
			SS-3	9-6- 6-17	6-8	2.00	1,1,2,2-Tetrachloroethane 50 2-Hexanone 470 4-Methyl-2-Pentanone 330 Tetrachloroethene 30 Cu 396 Pb 449 Hg 0.78 Zn 291
			SS-4	12-20- 22-25	8-10	2.00	
10			SS-5	12-12- 9-23	10-12	1.90	
			SS-6	14-13- 14-23	12-14	1.50	
15			SS-7	10-15- 17-41	14-16	1.45	
			SS-8	13-17- 19-20	16-18	1.60	
			SS-9	7-15- 17-21	18-20	1.30	

<p><b>SYMBOLS</b></p>  SLUDGE  SAND/GRAVEL  STAINED SAND  CLAY	<p><b>ANALYTICAL RESULTS</b></p> <p>ORGANICS IN ug/kg          INORGANICS IN mg/kg</p>	<p><b>FIGURE 3.9</b></p> <p><b>BOREHOLE LOG AND CHEMICAL ANALYSES</b></p>
---	--	---

TDD NO. 02-2408-04B  
 PROJECT NAME Toms River Chemical Co.  
 LOCATION RT-A-9  
 DIAMETER: CASING ID N/A  
 ROCK CORE N/A  
 COORDINATES: NORTH -2330  
 EAST 8222  
 CONTRACTOR A.C. S. HULTES & SONS, INC. LOGGED BY J. GRUBIS  
 DRILLING METHOD HOLLOW STEM AUGER

DATE: START 9/16/85 FINISH 9/17/85  
 ELEVATIONS ABOVE MEAN SEA LEVEL  
 GROUND SURFACE +47.3  
 GROUND WATER \_\_\_\_\_  
 DEPTH OF HOLE 38.0'  
 OVERBURDEN N.A. ROCK N.A.  
 DIP N.A.  
 CHECKED BY R. TEIFKE  
 SHEET 2 OF 2

## GEOLOGIC PROFILE

DEPTH (FT.)	ELEV. (FT.)	SYM BOL	SAMPLE			ROD %	ANALYTICAL RESULTS
			TYPE AND No.	BLOWS OR REC.	DEPTH RANGE (FT.)		
		•••••	SS-10	10-13 13-16	20-22	1.50	
		•••••	SS-11	15-18 18-23	22-24	1.50	
25		X					BW 30
		•••••	SS-12	8-9 14-15	26-28	1.60	Toluene 5.7 Chlorobenzene 6.8
		•••••	SS-13	4-4 4-4	29-30	1.30	
30		•••••	SS-14	1-2 2-19	30-32	1.90	
		•••••	SS-15	7-10 10-18	32-34	2.00	
35		•••••	SS-16	7-8 23-29	34-36	1.70	
		•••••	SS-17	5-11 10-20	36-39	2.00	BW 31
		•••••					2-Hexanone 40 Tetrachloroethene 9 Toluene 5.8
		•••••					Cr 250 Cu 302 Pb 19 Zn 234 Va 40 Hg 1.9

**SYMBOLS**

	SLUDGE
•••••	SAND/GRAVEL
•••••	STAINED SAND
•••••	CLAY

**ANALYTICAL RESULTS**

ORGANICS IN ug/kg  
INORGANICS IN mg/kg

**FIGURE 3.9**  
**BOREHOLE LOG AND**  
**CHEMICAL ANALYSES**

APPENDIX C  
ANALYTICAL DATA SUMMARY

Table C 1 VOLATILES, TOTAL

11-A-g-57

Analyte/EM Designation	Matrix	Date Sampled	Date Submitted	ANNE Designation	Area	Type	Chloro-ethane	Bromo-ethane	Vinyl Chloride	Chloro-ethane	Ethylene Chloride	1,1-Dichloro-ethane	1,1-Dichloro-ethane	trans-1,2-dichloro-ethane	1,2-dichloro-ethane	1,2-dichloro-ethane
A14061-3	Nonaqueous	08-May-07	08-May-07	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	370J	ND	ND	ND	ND	ND
A14069-3	Nonaqueous	11-May-07	12-May-07	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14077-3	Nonaqueous	15-May-07	15-May-07	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14149-3	Nonaqueous	28-May-07	28-May-07	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	560	ND	ND	ND	ND	ND
A14136-4	Nonaqueous	26-May-07	26-May-07	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	360J	ND	ND	ND	ND	ND
A14140-3	Nonaqueous	27-May-07	27-May-07	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	230J	ND	ND	ND	ND	ND
A14134-3	Aqueous	26-May-07	26-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	1.3J	ND	ND	ND	ND	ND
A14046-3	Aqueous	07-May-07	08-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	06-May-07	07-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	19	ND	ND	ND	ND	ND
A14127-3	Aqueous	22-May-07	22-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14061-4	Aqueous	08-May-07	08-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-3	Aqueous	13-May-07	14-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	2.3J	ND	ND	ND	ND	ND
A14069-4	Aqueous	11-May-07	11-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-5	Aqueous	21-May-07	21-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	41	ND	ND	ND	ND	ND
A14149-4	Aqueous	28-May-07	28-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	27-May-07	27-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	13	ND	ND	ND	ND	ND
A14074-3	Aqueous	12-May-07	12-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14073-4	Aqueous	16-May-07	16-May-07	Field Blank	Blank	Field Blank	ND	ND	ND	ND	3.6J	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	06-May-07	07-May-07	RLSC-2 Sludge Comp.	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	07-May-07	08-May-07	RLSC-3 Sludge Comp.	FRL-1	Sludge	ND	ND	ND	ND	730	ND	ND	ND	ND	ND
A14061-1	Nonaqueous	08-May-07	08-May-07	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	220J	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	11-May-07	11-May-07	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	13-May-07	14-May-07	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	280J	ND	ND	ND	ND	ND
A14074-1	Nonaqueous	12-May-07	12-May-07	RLSC-8 Sludge Comp.	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-2	Nonaqueous	15-May-07	15-May-07	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14143-2	Nonaqueous	28-May-07	28-May-07	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND	ND	200J	ND	ND	ND	ND	ND
A14135-3	Nonaqueous	26-May-07	26-May-07	RLSC-17 Sludge	FRL-5	Sludge	ND	ND	ND	ND	6,300	ND	ND	ND	ND	ND
A14140-2	Nonaqueous	27-May-07	27-May-07	RLSC-18 Sludge	FRL-5	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-4	Nonaqueous	21-May-07	21-May-07	MASC-1 Sludge	FSDA	Sludge	ND	ND	ND	ND	910	ND	ND	ND	ND	ND
A14129-2	Nonaqueous	22-May-07	22-May-07	MASC-2 Sludge	FSDA	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14109-1	Nonaqueous	20-May-07	20-May-07	RLSC-14	Background	Soil	ND	ND	ND	ND	590	ND	ND	ND	ND	ND
A14128-1	Nonaqueous	21-May-07	21-May-07	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	760	ND	ND	ND	ND	ND
A14128-2	Nonaqueous	21-May-07	21-May-07	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	820	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	06-May-07	07-May-07	RLSC-1 Sludge Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-2	Nonaqueous	06-May-07	07-May-07	RLSC-1 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	50	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	26-May-07	26-May-07	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND	ND	540	ND	ND	ND	ND	ND
A14045-4	Nonaqueous	06-May-07	07-May-07	RLSC-2 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-2	Nonaqueous	07-May-07	08-May-07	RLSC-3 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	320	ND	ND	ND	ND	ND
A14061-2	Nonaqueous	08-May-07	09-May-07	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	380J	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	11-May-07	11-May-07	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-1	Nonaqueous	13-May-07	14-May-07	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	290J	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	12-May-07	12-May-07	RLSC-8 Soil Comp.	FRL-3	Soil	ND	ND	ND	ND	380	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	15-May-07	15-May-07	RLSC-10 Soil Comp.	FRL-4	Soil	ND	ND	ND	ND	350	ND	ND	ND	ND	ND
A14148-1	Nonaqueous	28-May-07	28-May-07	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	620	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	27-May-07	27-May-07	RLSC-19 Soil	FRL-5	Soil	ND	ND	ND	ND	650	ND	ND	ND	ND	ND
A14128-3	Nonaqueous	21-May-07	21-May-07	MASC-1 SOIL	FSDA	Soil	ND	ND	ND	ND	700	ND	ND	ND	ND	ND
A14129-1	Nonaqueous	22-May-07	22-May-07	MASC-2 SOIL	FSDA	Soil	ND	ND	ND	ND	1,200	ND	ND	ND	ND	ND
A14136-1	Nonaqueous	26-May-07	26-May-07	MASC-3 Soil	FSDA	Soil	ND	ND	ND	ND	670	ND	ND	ND	ND	ND
A14098-1	Nonaqueous	18-May-07	18-May-07	RLSC-11 Soil Comp.	Upgrad FRL-1	Soil	ND	ND	ND	ND	330J	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	18-May-07	18-May-07	RLSC-12 Soil Comp.	Upgrad FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	18-May-07	18-May-07	RLSC-13 Soil Comp.	Upgrad FRL-3	Soil	ND	ND	ND	ND	290J	ND	ND	ND	ND	ND

Table C-1 VOC ATILES, TOTAL

11-Aug-87

Analysis/EN Designation	Matrix	Date Sampled	Date Submitted	AWARE Designation	Area	Type	1,1,1- trichloro- ethane	carbon tetra- chloride	bromo- dichloro- ethane	1,2- dichloro- propane	trans-1,3- dichloro- propane	trichloro- ethene	dibromo- chloro- ethane	1,1,2- trichloro- ethane	benzene	cis-1,3- dichloro- propane
A14061-3	Nonaqueous	08-May-87	08-May-87	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-3	Nonaqueous	11-May-87	12-May-87	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14077-3	Nonaqueous	15-May-87	15-May-87	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14149-3	Nonaqueous	28-May-87	28-May-87	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14173-4	Nonaqueous	26-May-87	26-May-87	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-3	Nonaqueous	27-May-87	27-May-87	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14176-5	Aqueous	26-May-87	26-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Aqueous	07-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	06-May-87	07-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14127-3	Aqueous	22-May-87	22-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14021-4	Aqueous	08-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14034-3	Aqueous	13-May-87	14-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14049-4	Aqueous	11-May-87	11-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-5	Aqueous	21-May-87	21-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14118-4	Aqueous	28-May-87	28-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14110-4	Aqueous	27-May-87	27-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-3	Aqueous	12-May-87	12-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14052-4	Aqueous	18-May-87	18-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	06-May-87	07-May-87	RLSC-2 Sludge Coop.	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Coop.	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14021-1	Nonaqueous	03-May-87	08-May-87	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14055-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-1	Nonaqueous	12-May-87	12-May-87	RLSC-8 Sludge Coop.	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14077-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-2	Nonaqueous	28-May-87	28-May-87	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-3	Nonaqueous	26-May-87	26-May-87	RLSC-17 Sludge	FRL-5	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-2	Nonaqueous	27-May-87	27-May-87	RLSC-18 Sludge	FRL-5	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-4	Nonaqueous	21-May-87	21-May-87	MASC-1 Sludge	FSDA	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-2	Nonaqueous	22-May-87	22-May-87	MASC-2 Sludge	FSDA	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14109-1	Nonaqueous	20-May-87	20-May-87	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-1	Nonaqueous	21-May-87	21-May-87	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-2	Nonaqueous	21-May-87	21-May-87	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	05-May-87	07-May-87	RLSC-1 Sludge Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-2	Nonaqueous	06-May-87	07-May-87	RLSC-1 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	26-May-87	26-May-87	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-4	Nonaqueous	06-May-87	07-May-87	RLSC-2 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-2	Nonaqueous	07-May-87	08-May-87	RLSC-3 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14061-2	Nonaqueous	08-May-87	08-May-87	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14065-2	Nonaqueous	11-May-87	11-May-87	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14024-1	Nonaqueous	13-May-87	14-May-87	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	12-May-87	12-May-87	RLSC-8 Soil Coop.	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	15-May-87	15-May-87	RLSC-10 Soil Coop.	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14149-1	Nonaqueous	28-May-87	28-May-87	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	27-May-87	27-May-87	RLSC-18 Soil	FRL-5	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-3	Nonaqueous	21-May-87	21-May-87	MASC-1 SOIL	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-1	Nonaqueous	22-May-87	22-May-87	MASC-2 SOIL	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-1	Nonaqueous	26-May-87	26-May-87	MASC-3 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-1	Nonaqueous	18-May-87	18-May-87	RLSC-11 Soil Coop.	Upgrade FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	18-May-87	18-May-87	RLSC-12 Soil Coop.	Upgrade FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	18-May-87	18-May-87	RLSC-13 Soil Coop.	Upgrade FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table C-1 VOLATILES, TOTAL

11-Aug-87

Analyte Designation	Matrix	Date Sampled	Date Submitted	ANSE Designation	Area	Type	2-chloro-		1,1,2,2-		chloro- toluene	ethyl benzene	xylene (total)
							ethyl vinyl ether	trifluoro ethere	chloro- ethane	chloro- ethane			
A14061-3	Nonaqueous	08-May-87	08-May-87	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14069-3	Nonaqueous	11-May-87	12-May-87	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14077-3	Nonaqueous	15-May-87	15-May-87	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14142-3	Nonaqueous	20-May-87	20-May-87	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14175-4	Nonaqueous	26-May-87	26-May-87	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14143-3	Nonaqueous	27-May-87	27-May-87	RLSC-10 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND
A14176-5	Aqueous	26-May-87	26-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14046-3	Aqueous	07-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	06-May-87	07-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14129-3	Aqueous	22-May-87	22-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14061-4	Aqueous	08-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14094-3	Aqueous	13-May-87	14-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14049-4	Aqueous	11-May-87	11-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14170-5	Aqueous	21-May-87	21-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14145-4	Aqueous	20-May-87	23-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	27-May-87	27-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14074-3	Aqueous	12-May-87	12-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14098-4	Aqueous	10-May-87	10-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	06-May-87	07-May-87	RLSC-2 Sludge Corp.	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Corp.	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND
A14061-1	Nonaqueous	08-May-87	09-May-87	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	ND	ND	ND
A14084-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND
A14074-1	Nonaqueous	12-May-87	12-May-87	RLSC-8 Sludge Corp.	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND
A14077-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND	27,000	5,300	2,300	13,000
A14145-2	Nonaqueous	20-May-87	20-May-87	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND	5,600	530J	540J	2800J
A14176-3	Nonaqueous	26-May-87	26-May-87	RLSC-17 Sludge	FRL-5	Sludge	ND	ND	ND	100,000	4,900	12,000	67,000
A14140-2	Nonaqueous	27-May-87	27-May-87	RLSC-10 Sludge	FRL-5	Sludge	ND	ND	ND	22,000	ND	1,400	6,500
A14175-4	Nonaqueous	21-May-87	21-May-87	MASC-1 Sludge	FSDA	Sludge	ND	ND	£40	ND	ND	750	ND
A14129-2	Nonaqueous	22-May-87	22-May-87	MASC-2 Sludge	FSDA	Sludge	ND	ND	39,000	ND	81,000	32,000	ND
A14109-1	Nonaqueous	20-May-87	20-May-87	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	ND	ND
A14120-1	Nonaqueous	21-May-87	21-May-87	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND
A14120-2	Nonaqueous	21-May-87	21-May-87	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	06-May-87	07-May-87	RLSC-1 Sludge Corp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14045-2	Nonaqueous	06-May-87	07-May-87	RLSC-1 Soil Corp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14134-2	Nonaqueous	26-May-87	26-May-87	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14045-4	Nonaqueous	06-May-87	07-May-87	RLSC-2 Soil Corp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14046-2	Nonaqueous	07-May-87	08-May-87	RLSC-3 Soil Corp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14061-2	Nonaqueous	03-May-87	08-May-87	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	11-May-87	11-May-87	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND
A14054-1	Nonaqueous	13-May-87	14-May-87	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	12-May-87	12-May-87	RLSC-8 Soil Corp.	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	15-May-87	15-May-87	RLSC-10 Soil Corp.	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	26-May-87	20-May-87	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	27-May-87	27-May-87	RLSC-10 Soil	FRL-5	Soil	ND	ND	ND	ND	ND	ND	ND
A14120-3	Nonaqueous	21-May-87	21-May-87	MASC-1 SOIL	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND
A14129-1	Nonaqueous	22-May-87	22-May-87	MASC-2 SOIL	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND
A14136-1	Nonaqueous	26-May-87	26-May-87	MASC-3 Soil	FSDA	Soil	ND	ND	520J	ND	ND	ND	ND
A14073-1	Nonaqueous	10-May-87	10-May-87	RLSC-11 Soil Corp.	Upgrad FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND
A14090-2	Nonaqueous	10-May-87	10-May-87	RLSC-12 Soil Corp.	Upgrad FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND
A14073-3	Nonaqueous	10-May-87	10-May-87	RLSC-13 Soil Corp.	Upgrad FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND

J - Constituent detected but below the PML.  
Quantitation is approximate.  
all sludge and soil samples in ug/kg  
all field blanks in ug/l  
FRL - Former River Lagoon  
FSDA - Former Sludge Disposal Area  
\* sample designated as sludge but is soil

Analysis/EM Designation	Matrix	AsARE Designation	Area	Type	bio(2-chloroethyl) ether	1,3-di-chloro benzene	1,4-di-chloro benzene	tertyl alcohol	1,2-di-chloro benzene	bio(2-chloro isopropyl) ether	n-nitroso-di(propyl)-amine	hexa-chloro-ethane	nitro-benzene	iso-pharone	bio(2-chloro-ethoxy) ethane	1,2,4-tri-chloro-benzene
A14061-3	Nonaqueous	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300
A14069-3	Nonaqueous	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	923
A14097-3	Nonaqueous	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-3	Nonaqueous	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-4	Nonaqueous	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-3	Nonaqueous	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14061-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	RLSC-2 Sludge Comp.	FRL-1	Sludge	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	6,600
A14046-1	Nonaqueous	RLSC-3 Sludge Comp.	FRL-1	Sludge	ND	ND	ND	ND	2,000	ND	ND	ND	ND	ND	ND	4,200
A14061-1	Nonaqueous	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	7,300	ND	ND	ND	ND	ND	ND	26,000
A14084-2	Nonaqueous	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	1,200	ND	ND	ND	ND	ND	ND	2,000
A14074-1	Nonaqueous	RLSC-8 Sludge Comp.	FRL-3	Sludge	ND	ND	ND	ND	900	ND	ND	ND	ND	ND	ND	6,000
A14097-2	Nonaqueous	RLSC-10 Sludge	FRL-4	Sludge	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	130,000
A14148-2	Nonaqueous	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	6,100	ND	36,000	ND	ND	ND	ND	ND	ND	110,000
A14136-3	Nonaqueous	RLSC-17 Sludge	FRL-5	Sludge	ND	3000	23,000	ND	120,000	ND	ND	ND	ND	ND	ND	77,000
A14140-2	Nonaqueous	RLSC-18 Sludge	FRL-5	Sludge	ND	ND	ND	ND	16,000	ND	ND	ND	ND	ND	ND	16,000
A14128-4	Nonaqueous	NASC-1 Sludge	FSDA	Sludge	ND	ND	ND	ND	3,000	ND	ND	ND	1,300	ND	ND	11,000
A14129-2	Nonaqueous	NASC-2 Sludge	FSDA	Sludge	ND	ND	2,000	ND	72,000	ND	ND	ND	1,000	ND	ND	45,000
A14109-1	Nonaqueous	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-1	Nonaqueous	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-2	Nonaqueous	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	RLSC-1 Sludge Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	490
A14045-2	Nonaqueous	RLSC-1 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND
A14045-4	Nonaqueous	RLSC-2 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
A14046-2	Nonaqueous	RLSC-3 Soil Comp.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70
A14061-2	Nonaqueous	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	74	ND	ND	ND	ND	ND	ND	250
A14084-1	Nonaqueous	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	RLSC-8 Soil Comp.	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	RLSC-10 SOIL Comp.	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
A14148-1	Nonaqueous	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
A14140-1	Nonaqueous	RLSC-18 Soil	FRL-5	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63
A14128-3	Nonaqueous	NASC-1 Soil	FSDA	Soil	ND	ND	ND	ND	320	ND	ND	ND	67	ND	ND	420
A14129-1	Nonaqueous	NASC-2 Soil	FSDA	Soil	ND	ND	ND	ND	61	ND	ND	ND	ND	ND	ND	100
A14136-1	Nonaqueous	NASC-3 Soil	FSDA	Soil	ND	ND	ND	ND	510	ND	ND	ND	100	ND	ND	220
A14098-1	Nonaqueous	RLSC-11 Soil Comp.	Upgrad FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	RLSC-12 Soil Comp.	Upgrad FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	RLSC-13 Soil Comp.	Upgrad FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Table C-2 BASE/NEUTRALS

11-A.g-07

Analyte/EM Designation	Matrix	ANAKE Designation	Area	Type	Fe- chloro- buta- diene											dibenzofuran
					naphthalene	4-chloro-aniline	2-ethyl-naphthalene	hexachloro-cyclopentadiene	2-chloro-naphthalene	2-nitro-aniline	diethyl-phthalate	acronaphthylene	3-nitro-aniline	acronaphthene		
A14061-3	Nonaqueous	RLSC-5 Deep Soil	FRL-2	Deep Soil	6,200	ND	ND	ND	ND	1,100J	ND	ND	ND	ND	ND	2,400
A14069-3	Nonaqueous	RLSC-6 Deep Soil	FRL-2	Deep Soil	42J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-3	Nonaqueous	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-3	Nonaqueous	RLSC-19 Deep Soil	FRL-4	Deep Soil	3,700	ND	ND	600	ND	ND	ND	770	ND	ND	700	ND
A14136-4	Nonaqueous	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-5	Nonaqueous	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14061-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-5	Nonaqueous	RLSC-2 Sludge Coop.	FRL-1	Sludge	3,200	ND	ND	570J	ND	ND	ND	ND	ND	ND	ND	ND
A14046-1	Nonaqueous	RLSC-3 Sludge Coop.	FRL-1	Sludge	3,400	ND	ND	ND	ND	670	ND	ND	ND	ND	ND	1,600
A14061-1	Nonaqueous	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	RLSC-6 Sludge	FRL-2	Sludge	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-2	Nonaqueous	RLSC-7 Sludge	FRL-3	Sludge	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-1	Nonaqueous	RLSC-8 Sludge Coop.	FRL-3	Sludge	1500J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-2	Nonaqueous	RLSC-10 Sludge	FRL-4	Sludge	19,000	ND	ND	1,800	ND	ND	850J	ND	ND	ND	ND	1,700
A14148-2	Nonaqueous	RLSC-19 Sludge	FRL-4	Sludge	44,000	ND	ND	8,100	ND	ND	3600J	ND	ND	ND	ND	8,500
A14136-3	Nonaqueous	RLSC-17 Sludge	FRL-5	Sludge	120,000	ND	ND	8,100	ND	5,000	ND	ND	ND	ND	ND	ND
A14140-2	Nonaqueous	RLSC-18 Sludge	FRL-5	Sludge	17,000	ND	ND	1,800	ND	980	ND	ND	ND	ND	ND	780J
A14128-4	Nonaqueous	MASC-1 Sludge	FSDA	Sludge	4,400	ND	ND	610	ND	ND	ND	ND	ND	ND	ND	970
A14129-2	Nonaqueous	MASC-2 Sludge	FSDA	Sludge	10,000	ND	ND	1,200	ND	900	ND	ND	ND	ND	ND	260
A14109-1	Nonaqueous	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-1	Nonaqueous	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-2	Nonaqueous	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	RLSC-1 Sludge Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-2	Nonaqueous	RLSC-1 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	RLSC-17 Soil	FRL-1	Soil	220J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-4	Nonaqueous	RLSC-2 Soil Coop.	FRL-1	Soil	60J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-2	Nonaqueous	RLSC-3 Soil Coop.	FRL-1	Soil	ND	ND	ND	54J	ND	ND	ND	ND	ND	ND	ND	ND
A14061-2	Nonaqueous	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	RLSC-6 Soil	FRL-2	Soil	160J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-1	Nonaqueous	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	RLSC-8 Soil Coop.	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	RLSC-10 SOIL Coop.	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-1	Nonaqueous	RLSC-19 Soil	FRL-4	Soil	60J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	RLSC-18 Soil	FRL-5	Soil	210J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14128-3	Nonaqueous	MASC-1 Soil	FSDA	Soil	280J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30J
A14129-1	Nonaqueous	MASC-2 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-1	Nonaqueous	MASC-3 Soil	FSDA	Soil	200J	ND	ND	90J	ND	ND	ND	ND	ND	ND	ND	ND
A14098-1	Nonaqueous	RLSC-11 Soil Coop.	Upgrad FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	RLSC-12 Soil Coop.	Upgrad FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	RLSC-13 Soil Coop.	Upgrad FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table C-2 BASE/NEUTRALS

11-Aug-87

Analyte/EM Designation	Matrix	ANARE Designation	Area	Type	2,4-dinitro-toluene	2,6-dinitro-toluene	diethyl phthalate	4-chlorophenyl ether	fluorene	4-nitro-aniline	n-nitro-odiphenyl amine	4-bromophenyl ether	hexa-chloro-benzene	phen-anthrene	anthracene	di-n-butyl phthalate
A14061-3	Nonaqueous	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	0,500	ND	ND	ND	ND	40,000	2,000	ND
A14069-3	Nonaqueous	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	93J	ND	ND
A14097-3	Nonaqueous	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100J
A14140-3	Nonaqueous	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	1,000	ND	ND	ND	ND	3,700	700	ND
A14136-4	Nonaqueous	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	169J	ND	ND	ND	ND	ND
A14140-3	Nonaqueous	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND	ND	ND	ND	200J	ND	ND	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3J
A14136-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	0.5J	ND	ND	ND	ND	1.5J
A14120-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0J
A14061-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	0.7J	ND	ND	ND	ND	ND	2J
A14015-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1J
A14069-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1J
A14129-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2J
A14098-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	0.6J	ND	ND	ND	ND	ND
A14084-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	RLSC-2 Sludge Coop.	FRL-1	Sludge	ND	ND	ND	ND	2,200	ND	ND	ND	ND	4,900	ND	ND
A14046-1	Nonaqueous	RLSC-3 Sludge Coop.	FRL-1	Sludge	ND	ND	ND	ND	5,400	ND	2,000	ND	ND	26,000	3,700	1,400
A14061-1	Nonaqueous	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	4900J	ND	ND	ND	ND	9,600	ND	ND
A14084-2	Nonaqueous	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	3,800	ND	1,700	ND	ND	6,300	3,200	ND
A14074-1	Nonaqueous	RLSC-8 Sludge Coop.	FRL-3	Sludge	ND	ND	ND	ND	1400J	ND	ND	ND	ND	3,200	900J	ND
A14097-2	Nonaqueous	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	15,000	3,600	2,900
A14140-2	Nonaqueous	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	6,500	ND	ND	79,000	5,500	4,600
A14136-3	Nonaqueous	RLSC-17 Sludge	FRL-5	Sludge	ND	ND	ND	ND	2000J	ND	21,000	ND	2100J	50,000	3000J	ND
A14140-2	Nonaqueous	RLSC-18 Sludge	FRL-5	Sludge	ND	ND	ND	ND	ND	ND	6,500	ND	ND	6,500	770J	ND
A14128-4	Nonaqueous	RASC-1 Sludge	FSDA	Sludge	ND	ND	ND	ND	ND	150J	ND	ND	ND	13,000	2,000	410
A14129-2	Nonaqueous	RASC-2 Sludge	FSDA	Sludge	ND	ND	ND	ND	170J	ND	1,000	ND	130J	3,000	3,200	640J
A14109-1	Nonaqueous	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	83J
A14128-1	Nonaqueous	RLSC-15 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	99J
A14128-2	Nonaqueous	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22J
A14045-1	Nonaqueous	RLSC-1 Sludge Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	400J	ND	ND
A14045-2	Nonaqueous	RLSC-1 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	100J	ND	130J
A14045-4	Nonaqueous	RLSC-2 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	60J	ND	ND	ND	ND	ND	ND	40J
A14046-2	Nonaqueous	RLSC-3 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	96J	ND	ND	ND	ND	530	96J	60J
A14061-2	Nonaqueous	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14084-1	Nonaqueous	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	RLSC-8 Soil Coop.	FRL-3	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	RLSC-10 SOIL Coop.	FRL-4	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100J
A14140-1	Nonaqueous	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	ND	ND	100J	ND	ND	100J	ND	100J
A14140-1	Nonaqueous	RLSC-18 Soil	FRL-5	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130J
A14128-3	Nonaqueous	RASC-1 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	130J	52J	30J
A14129-1	Nonaqueous	RASC-2 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	160J	ND	ND	ND	ND	100J
A14136-1	Nonaqueous	RASC-3 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	280J	ND	ND	74J	87J	190J
A14098-1	Nonaqueous	RLSC-11 Soil Coop.	Upgrad FRL-1 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	RLSC-12 Soil Coop.	Upgrad FRL-2 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	RLSC-13 Soil Coop.	Upgrad FRL-3 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table C-2 BASE/NEUTRALS

11-Aug-87

Analyte/EM Designation	Matrix	ANARE Designation	Area	Type	fluor-anthene	pyrene	butyl benzyl phthalate	3,3'-di-chloro-berzidine	benzoful anthracene	bis(2-ethylhexyl) phthalate	chrysene	di-n-octyl phthalate	benzo (b) fluor-anthene	benzo (k) fluor-anthene	benzo (a) pyrene	indeno (1,2,3-cd) pyrene
A14061-3	Nonaqueous	RLSC-3 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-3	Nonaqueous	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND	ND	ND	650	ND	ND	ND	ND	ND	ND
A14097-3	Nonaqueous	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-3	Nonaqueous	RLSC-19 Deep Soil	FRL-4	Deep Soil	2,200	2,000	ND	ND	800	2100	800	ND	370	600	ND	ND
A14136-4	Nonaqueous	RLSC-17 Deep Soil	FRL-3	Deep Soil	700	ND	ND	ND	3500	760	2400	960	1000	000	ND	ND
A14140-3	Nonaqueous	RLSC-18 Deep Soil	FRL-3	Deep Soil	ND	ND	ND	ND	ND	3100	ND	2100	ND	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	90	ND	ND	ND	ND	ND	ND
F14128-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	1.00	ND	ND	ND	ND	ND	ND
A14061-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14148-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	0.60	ND	ND	ND	ND	ND	ND
A14045-6	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	1.00	ND	ND	ND	ND	ND	ND
A14069-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	2.10	ND	ND	100	ND	ND	ND
A14074-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
A14058-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	1.00	ND	ND	17	ND	ND	ND	ND	ND	ND
A14064-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	RLSC-2 Sludge Coop.	FRL-1	Sludge	ND	ND	ND	ND	ND	1100	ND	ND	ND	ND	ND	ND
A14046-1	Nonaqueous	RLSC-3 Sludge Coop.	FRL-1	Sludge	980	3600	540	ND	ND	10,000	ND	ND	ND	ND	ND	ND
F14061-1	Nonaqueous	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND	ND	ND	2200	ND	ND	ND	ND	ND	ND
A14069-1	Nonaqueous	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14084-2	Nonaqueous	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14074-1	Nonaqueous	RLSC-8 Sludge Coop.	FRL-3	Sludge	ND	ND	ND	ND	ND	2,400	ND	ND	ND	ND	ND	ND
A14097-2	Nonaqueous	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	1,800	ND	ND	ND	ND	ND	ND
A14148-2	Nonaqueous	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14136-3	Nonaqueous	RLSC-17 Sludge	FRL-3	Sludge	ND	ND	ND	ND	ND	4,200	ND	ND	ND	ND	ND	ND
A14140-2	Nonaqueous	RLSC-18 Sludge	FRL-3	Sludge	ND	ND	ND	ND	ND	1,600	ND	ND	ND	ND	ND	ND
A14128-4	Nonaqueous	MASC-1 Sludge	FSDA	Sludge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-2	Nonaqueous	MASC-2 Sludge	FSDA	Sludge	1400	5500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14109-1	Nonaqueous	RLSC-14	Background	Soil	ND	ND	ND	ND	ND	1000	ND	ND	ND	ND	ND	ND
A14128-1	Nonaqueous	RLSC-15 Soil	Background	Soil	ND	1600	460	ND	540	3100	590	ND	410	ND	ND	ND
A14128-2	Nonaqueous	RLSC-16 Soil	Background	Soil	ND	ND	ND	ND	ND	2500	ND	ND	ND	ND	ND	ND
A14045-1	Nonaqueous	RLSC-1 Sludge Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-2	Nonaqueous	RLSC-1 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	ND	3000	ND	ND	ND	ND	ND	ND
A14136-2	Nonaqueous	RLSC-17 Soil	FRL-1	Soil	ND	1200	ND	ND	ND	3500	ND	630	ND	ND	ND	ND
A14045-4	Nonaqueous	RLSC-2 Soil Coop.	FRL-1	Soil	300	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND
A14046-2	Nonaqueous	RLSC-3 Soil Coop.	FRL-1	Soil	ND	ND	ND	ND	700	ND	ND	ND	ND	ND	ND	ND
A14061-2	Nonaqueous	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-2	Nonaqueous	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14064-1	Nonaqueous	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	3200	ND	ND	ND	ND	ND	ND
A14074-2	Nonaqueous	RLSC-8 Soil Coop.	FRL-3	Soil	ND	ND	ND	ND	ND	3400	ND	ND	ND	ND	ND	ND
A14097-1	Nonaqueous	RLSC-10 SOIL Coop.	FRL-4	Soil	ND	ND	ND	ND	ND	1600	ND	ND	ND	ND	ND	ND
A14148-1	Nonaqueous	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND	ND	ND	3000	ND	ND	ND	ND	ND	ND
A14140-1	Nonaqueous	RLSC-18 Soil	FRL-3	Soil	ND	ND	ND	ND	ND	2900	ND	ND	ND	ND	ND	ND
A14128-3	Nonaqueous	MASC-1 Soil	FSDA	Soil	ND	ND	ND	ND	ND	2000	ND	460	ND	ND	ND	ND
A14129-1	Nonaqueous	MASC-2 Soil	FSDA	Soil	ND	ND	ND	ND	ND	3200	ND	ND	ND	ND	ND	ND
A14136-1	Nonaqueous	MASC-3 Soil	FSDA	Soil	ND	ND	ND	ND	ND	ND	ND	950	ND	ND	ND	ND
A14098-1	Nonaqueous	RLSC-11 Soil Coop.	Upgrad FRL-1 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-2	Nonaqueous	RLSC-12 Soil Coop.	Upgrad FRL-2 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14098-3	Nonaqueous	RLSC-13 Soil Coop.	Upgrad FRL-5 Soil		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table C-2 BASE/NEUTRALS

11-Aug-87

Analytical Designation	Matrix	ANARE Designation	Area	Type	dibenzo	benzo	
					(a,h) anthracene	(g,h,i) pyrene	tenzidine
A14061-3	Homoqueous	RLSC-5 Deep Soil	FRL-2	Deep Soil	ND	ND	ND
A14069-3	Homoqueous	RLSC-6 Deep Soil	FRL-2	Deep Soil	ND	ND	ND
A14097-3	Homoqueous	RLSC-10 Deep Soil	FRL-4	Deep Soil	ND	ND	ND
A14140-3	Homoqueous	RLSC-19 Deep Soil	FRL-4	Deep Soil	ND	ND	ND
A14134-4	Homoqueous	RLSC-17 Deep Soil	FRL-5	Deep Soil	ND	ND	ND
A14140-3	Homoqueous	RLSC-18 Deep Soil	FRL-5	Deep Soil	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14134-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14120-5	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14061-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14140-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14045-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14069-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14074-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14046-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14129-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14098-4	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14084-3	Aqueous	Field Blank	Blank	Field Blank	ND	ND	ND
A14045-3	Homoqueous	RLSC-2 Sludge Coop.	FRL-1	Sludge	ND	ND	ND
A14044-1	Homoqueous	RLSC-3 Sludge Coop.	FRL-1	Sludge	ND	ND	ND
A14061-1	Homoqueous	RLSC-4 Sludge	FRL-1	Sludge	ND	ND	ND
A14069-1	Homoqueous	RLSC-6 Sludge	FRL-2	Sludge	ND	ND	ND
A14084-2	Homoqueous	RLSC-7 Sludge	FRL-3	Sludge	ND	ND	ND
A14074-1	Homoqueous	RLSC-8 Sludge Coop.	FRL-3	Sludge	ND	ND	ND
A14097-2	Homoqueous	RLSC-10 Sludge	FRL-4	Sludge	ND	ND	ND
A14140-2	Homoqueous	RLSC-19 Sludge	FRL-4	Sludge	ND	ND	ND
A14134-3	Homoqueous	RLSC-17 Sludge	FRL-5	Sludge	ND	ND	ND
A14140-2	Homoqueous	RLSC-18 Sludge	FRL-5	Sludge	ND	ND	ND
A14120-4	Homoqueous	MASC-1 Sludge	FSDA	Sludge	ND	ND	ND
A14129-2	Homoqueous	MASC-2 Sludge	FSDA	Sludge	ND	ND	ND
A14109-1	Homoqueous	RLSC-14	Background	Soil	ND	ND	ND
A14120-1	Homoqueous	RLSC-15 Soil	Background	Soil	ND	ND	ND
A14120-2	Homoqueous	RLSC-16 Soil	Background	Soil	ND	ND	ND
A14045-1	Homoqueous	RLSC-1 Sludge Coop.	FRL-1	Soil	ND	ND	ND
A14045-2	Homoqueous	RLSC-1 Soil Coop.	FRL-1	Soil	ND	ND	ND
A14134-2	Homoqueous	RLSC-17 Soil	FRL-1	Soil	ND	ND	ND
A14045-4	Homoqueous	RLSC-2 Soil Coop.	FRL-1	Soil	ND	ND	ND
A14046-2	Homoqueous	RLSC-3 Soil Coop.	FRL-1	Soil	ND	ND	ND
A14061-2	Homoqueous	RLSC-5 Soil	FRL-2	Soil	ND	ND	ND
A14069-2	Homoqueous	RLSC-6 Soil	FRL-2	Soil	ND	ND	ND
A14084-1	Homoqueous	RLSC-7 Soil	FRL-3	Soil	ND	ND	ND
A14074-2	Homoqueous	RLSC-8 Soil Coop.	FRL-3	Soil	ND	ND	ND
A14097-1	Homoqueous	RLSC-10 SOIL Coop.	FRL-4	Soil	ND	ND	ND
A14140-1	Homoqueous	RLSC-19 Soil	FRL-4	Soil	ND	ND	ND
A14140-1	Homoqueous	RLSC-18 Soil	FRL-5	Soil	ND	ND	ND
A14120-3	Homoqueous	MASC-1 Soil	FSDA	Soil	ND	ND	ND
A14129-1	Homoqueous	MASC-2 Soil	FSDA	Soil	ND	ND	ND
A14134-1	Homoqueous	MASC-3 Soil	FSDA	Soil	ND	ND	ND
A14098-1	Homoqueous	RLSC-11 Soil Coop.	Upgrad FRL-1 Soil		ND	ND	ND
A14098-2	Homoqueous	RLSC-12 Soil Coop.	Upgrad FRL-2 Soil		ND	ND	ND
A14098-3	Homoqueous	RLSC-13 Soil Coop.	Upgrad FRL-3 Soil		ND	ND	ND

All soil and sludge samples in ug/kg.  
 All field blanks in ug/l.  
 ND - Compound was analyzed but not detected.  
 J - Constituent detected but below the RDL.  
 Quantitation is approximate.  
 FRL - Forer River Lagoon  
 FSDA - Forer Sludge Disposal Area  
 \* sample designated as sludge but is soil.

Table C-3 TCLP ANALYSES

12-13-87

Analysis#	Matrix	Date Sampled	Date Submitted	AWA#E Designation	Area	Type
A14045-1	Nonaqueous	05-May-87	07-May-87	RLSC-1 Sludge Comp. #	FRL-1	Soil
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Comp.	FRL-1	Sludge
A14059-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge
A14030-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge
A15097-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-4	Sludge

Proposed TCLP Regulatory Limits

## VOLATILE ORGANICS

Vinyl Chloride	Methylene Chloride	Carbon Disulfide	1,1-Di-Chloro-ethane	Chloroform	1,2-Di-Chloro-ethane	2-Butanone (MEK)	1,1,1-Trichloro-ethane	Carbon Tetrachloride	Trichloro-ethane	1,1,2-Trichloro-ethane
100	100	100	100	100	100	100	100	100	100	100
100	100	4.33	100	100	100	100	100	100	100	100
100	100	4.73	100	100	100	100	100	100	100	100
100	10	100	100	100	100	100	100	100	100	100
100	5.93	100	100	100	100	100	100	100	100	100
50	8,600	14,400	100	70	400	7,200	25,000	70	70	1,200

all values in ug/l

J - Constituent detected but below the PBL. Quantitation is approximate.

U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

FRL - Former River Lagoon

FSDA - Former Sludge Disposal Area

\* sample designated as sludge but actually is soil.

Table C-3 TELP ANALYSES

12-Aug-87

Analyte Designation	Matrix	Date Sampled	Date Submitted	ANAP Designation	Area	Type	TELP REGULATORY LIMITS							SEMIVOLATILE ORGANICS			
							Benzene	Tetra-chloro-ethene	1,1,1,2-Tetra-chloro-ethene	1,1,2,2-Tetra-chloro-ethane	Toluene	Chloro-benzene	Acrylo-nitrile	Pyridine	Phenol	Bis (2-Chloroethyl) Ether	1,4-Di-chloro-benzene
A14045-1	Nonaqueous	04-May-87	07-May-87	RLSC-1 Sludge Corp.	FRL-1	Soil	100	100	100	100	100	100	50,000	100	100	100	100
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Coop.	FRL-1	Sludge	100	100	100	100	100	100	50,000	100	100	100	100
A14069-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge	100	100	100	100	100	100	50,000	100	100	100	100
A14034-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge	100	100	100	100	100	100	50,000	100	100	100	100
A14057-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-4	Sludge	100	100	100	100	250	50	50,000	100	100	100	100
Proposed TELP Regulatory Limits							70	100	10,000	1,300	14,400	1,400	50,000	3,000	1,440	50	10,000

Table C-3 TCLP ANALYSES

12-Aug-87

Analysis/EM Designation	Matrix	Date Sampled	Date Submitted	ANARE Designation	Area	Type	Proposed TCLP Regulatory Limits										
							1,2-Di- chloro- benzene	o-cresol	m,p-cresol	Hexachloro- ethane	Nitro- benzene	Hexa- chloro- butadiene	2,4,6-Tri- chloro- phenol	2,4,5-Tri- chloro- phenol	2,4- Dinitro- toluene	2,3,4,6- tetrachloro- phenol	Hexa- chloro- benzene
A14C45-1	Aqueous	06-May-87	07-May-87	ALSC-1 Sludge Coop.	FRL-1	Soil	5.43	100	200	100	100	100	100	500	100	0.43	100
A14C46-1	Aqueous	07-May-87	08-May-87	ALSC-3 Sludge Coop.	FRL-1	Sludge	19	9.663	6.83	100	100	100	100	22	100	500	100
A14C49-1	Aqueous	11-May-87	11-May-87	ALSC-6 Sludge	FRL-2	Sludge	79	100	200	100	100	100	100	500	100	500	100
A14C54-2	Aqueous	13-May-87	14-May-87	ALSC-7 Sludge	FRL-3	Sludge	1.8	100	100	100	100	100	100	21	100	500	100
A14C97-2	Aqueous	15-May-87	15-May-87	ALSC-10 Sludge	FRL-4	Sludge	150	100	100	100	100	100	100	22	100	500	100
Proposed TCLP Regulatory Limits							4,300	10,000	20,000	4,300	130	720	300	5,800	130	1,300	130

Table C-3 TCLP ANALYSES

12-Aug-87

ALCOHOLS

Analytical Designation	Matrix	Date Sampled	Date Submitted	ABARE Designation	Area	Type	Penta-chloro-phenol	ALCOHOLS		
								Methanol	n-Butanol	Isobutanol
A14045-1	Nonaqueous	06-May-87	07-May-87	RLSC-1 Sludge Cop.	FRL-1	Soil	1.72	7500	65000	50000
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Cop.	FRL-1	Sludge	500	7500	65000	50000
A14069-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge	500	7500	65000	50000
A14094-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge	500	7500	60000	50000
A14097-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-6	Sludge	500	7500	65000	50000
Proposed TCLP Regulatory Limits							3,000	750	6,000	5,000



Table C-4 METALS, TOTAL 12-Aug-87

Analysis Designation	Matrix	Date Sampled	Date Submitted	AWARE Designation	Area	Type	Antimony	Arsenic	Cerillium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
A14045-6	Aqueous	06-May-87	07-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14046-4	Aqueous	10-May-87	10-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14126-5	Aqueous	21-May-87	21-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND
A14246-4	Aqueous	07-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14024-3	Aqueous	15-May-87	14-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14069-4	Aqueous	11-May-87	11-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14081-4	Aqueous	08-May-87	08-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14149-4	Aqueous	20-May-87	20-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14140-4	Aqueous	27-May-87	27-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	433
A14074-3	Aqueous	12-May-87	12-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14126-5	Aqueous	26-May-87	26-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14129-3	Aqueous	22-May-87	22-May-87	Field Blank	Blank	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14045-3	Nonaqueous	05-May-87	07-May-87	RLSC-2 Sludge Corp.	FPL-1	Sludge	ND	ND	243	ND	120,000	200,000	21,000	2,400	4,400	ND	ND	12,000	46,000
A14046-1	Nonaqueous	07-May-87	09-May-87	RLSC-3 Sludge Corp.	FPL-1	Sludge	ND	10,000	443	750,000	500,000	980,000	100,000	14,000	11,000	ND	ND	ND	480,000
A14061-1	Nonaqueous	05-May-87	08-May-87	RLSC-4 Sludge	FPL-1	Sludge	ND	ND	ND	ND	3,700	ND	ND	ND	ND	ND	ND	ND	1,200
A14059-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FPL-2	Sludge	4,700	6,200	ND	ND	370,000	380,000	58,000	10,000	5,400	ND	ND	ND	200,000
A14054-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FPL-3	Sludge	9,400	1,000	430	ND	440,000	670,000	93,000	14,000	0,700	ND	ND	5,100	140,000
A14074-1	Nonaqueous	12-May-87	12-May-87	RLSC-8 Sludge Corp.	FPL-3	Sludge	ND	2,400	490	ND	320,000	550,000	43,000	10,000	4,000	ND	ND	ND	150,000
A14077-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FPL-4	Sludge	ND	ND	ND	ND	340,000	720,000	50,000	70,000	12,000	4,200	0,500	ND	150,000
A14149-2	Nonaqueous	29-May-87	28-May-87	RLSC-19 Sludge	FPL-4	Sludge	ND	2,200	ND	10,000	1,000,000	1,000,000	330,000	58,000	34,000	5,000	ND	ND	310,000
A14126-5	Nonaqueous	26-May-87	26-May-87	RLSC-17 Sludge	FPL-5	Sludge	1,200	4,000	ND	ND	1,400,000	1,000,000	420,000	23,000	200,000	1,200	ND	2,200	680,000
A14140-2	Nonaqueous	27-May-87	27-May-87	RLSC-18 Sludge	FPL-5	Sludge	ND	ND	ND	2,200	320,000	460,000	88,000	7,600	9,000	1,300	ND	ND	110,000
A14120-4	Nonaqueous	21-May-87	21-May-87	MASC-1 Sludge	FSDA	Sludge	5,500	9,500	420	ND	840,000	720,000	120,000	95,000	13,000	ND	ND	ND	370,000
A14122-2	Nonaqueous	22-May-87	22-May-87	MASC-2 Sludge	FSDA	Sludge	40,000	44,000	710	ND	150,000	210,000	42,000	180,000	ND	4,500	ND	ND	91,000
A14129-1	Nonaqueous	20-May-87	20-May-87	RLSC-14	Background	Soil	ND	ND	ND	ND	4,700	6,500	ND	ND	ND	ND	ND	11,000	2,200
A14120-1	Nonaqueous	21-May-87	21-May-87	RLSC-13 Soil	Background	Soil	ND	2,400	220	ND	17,000	10,000	ND	ND	ND	ND	ND	ND	2,000
A14122-2	Nonaqueous	21-May-87	21-May-87	RLSC-16 Soil	Background	Soil	ND	1,200	150	ND	0,400	0,700	ND	ND	ND	ND	ND	ND	1,000
A14045-1	Nonaqueous	06-May-87	07-May-87	RLSC-1 Sludge Corp.	FPL-1	Soil	ND	ND	ND	ND	16,000	19,000	ND	450	ND	ND	ND	ND	34,000
A14045-2	Nonaqueous	06-May-87	07-May-87	RLSC-1 Soil Corp.	FPL-1	Soil	ND	ND	ND	ND	1,200	2,400	ND	ND	4,200	ND	ND	ND	2,400
A14126-2	Nonaqueous	26-May-87	26-May-87	RLSC-17 Soil	FPL-1	Soil	ND	ND	ND	ND	7,500	0,700	ND	550	4,100	000	ND	ND	ND
A14045-4	Nonaqueous	05-May-87	07-May-87	RLSC-2 Soil Corp.	FPL-1	Soil	ND	ND	ND	ND	7,400	4,600	ND	190	ND	ND	ND	ND	4,200
A14045-2	Nonaqueous	07-May-87	08-May-87	RLSC-3 Soil Corp.	FPL-1	Soil	ND	ND	ND	16,000	21,000	21,000	ND	2,000	ND	ND	ND	ND	11,000
A14051-2	Nonaqueous	08-May-87	06-May-87	RLSC-5 Soil	FPL-2	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
A14069-2	Nonaqueous	11-May-87	11-May-87	RLSC-6 Soil	FPL-2	Soil	ND	ND	110	ND	ND	3,300	ND	ND	ND	ND	ND	ND	2,400
A14054-1	Nonaqueous	13-May-87	14-May-87	RLSC-7 Soil	FPL-3	Soil	ND	ND	ND	ND	19,000	10,000	13,000	320	ND	ND	ND	ND	7,300
A14074-2	Nonaqueous	12-May-87	12-May-87	RLSC-8 Soil Corp.	FPL-3	Soil	ND	ND	ND	ND	6,200	9,800	ND	ND	ND	ND	ND	ND	3,700
A14077-1	Nonaqueous	15-May-87	15-May-87	RLSC-10 Soil Corp.	FPL-4	Soil	ND	1,500	ND	ND	950	8400	ND	940	ND	1000	ND	ND	2,200
A14149-1	Nonaqueous	26-May-87	26-May-87	RLSC-19 Soil	FPL-4	Soil	ND	ND	ND	ND	6,300	2,500	ND	ND	ND	1,700	ND	ND	2,400
A14140-1	Nonaqueous	27-May-87	27-May-87	RLSC-18 Soil	FPL-5	Soil	ND	ND	ND	ND	2,400	ND	ND	240	ND	650	ND	ND	2,000
A14126-3	Nonaqueous	21-May-87	21-May-87	MASC-1 Soil	FSDA	Soil	1,200	4,700	330	ND	130,000	130,000	15,000	2,400	ND	ND	ND	ND	49,000
A14129-1	Nonaqueous	22-May-87	22-May-87	MASC-2 Soil	FSDA	Soil	650	1,700	420	1,000	3,800	12,000	10,000	260	2,000	940	5,000	ND	3,700
A14126-1	Nonaqueous	26-May-87	26-May-87	MASC-3 Soil	FSDA	Soil	750	740	ND	2,400	60,000	51,000	16,000	7,400	9,200	230	5,400	ND	17,000

Table C-4 METALS, TOTAL

12-Aug-07

Analyst/EM Designation	Matrix	Date Sampled	Date Submitted	AWARE Designation	Area	Type	Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
A14150-1	Heterogeneous	18-May-07	19-May-07	RLSC-11 Soil Comp.	Upgrad FRL-1	Soil	ND	ND	ND	3,400J	ND	ND	ND	ND	410J	ND	ND	1,000J
A14150-2	Heterogeneous	18-May-07	18-May-07	RLSC-12 Soil Comp.	Upgrad FRL-2	Soil	ND	1,900J	ND	1,200	2,900J	6,200	ND	ND	ND	3,000	ND	3,200J
A14150-3	Heterogeneous	18-May-07	18-May-07	RLSC-13 Soil Comp.	Upgrad FRL-3	Soil	ND	2,200J	ND	ND	4,100	4,800	ND	ND	ND	ND	ND	2,200J
A14141-1	Aqueous	27-May-07	27-May-07	WELL R124	Background	Water	1.5J	ND	ND	35	150	160	ND	ND	62	ND	ND	110
A14141-2	Aqueous	27-May-07	27-May-07	WELL R125	Background	Water	1.6J	ND	ND	36	30	140	ND	ND	25J	1.2J	ND	130
A14141-3	Aqueous	27-May-07	27-May-07	WELL R126	Background	Water	ND	ND	ND	12	14J	91	390	ND	16J	1.4J	ND	2,200
A14141-4	Aqueous	27-May-07	27-May-07	WELL R127S	Background	Water	1.0J	ND	ND	8J	15J	50	ND	ND	13J	ND	ND	44
A14137-4	Aqueous	26-May-07	26-May-07	WELL 120	Ongrad FRL-1	Water	ND	ND	ND	ND	15J	ND	120	ND	54	ND	ND	140
A14137-3	Aqueous	26-May-07	26-May-07	WELL 126	Ongrad FRL-2	Water	ND	ND	ND	ND	8J	120	270	ND	73	ND	ND	1,400
A14137-2	Aqueous	26-May-07	26-May-07	WELL 170	Ongrad FRL-3	Water	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	63
A14137-1	Aqueous	26-May-07	26-May-07	WELL 124	Ongrad FRL-4	Water	ND	7.2J	ND	ND	14J	ND	110	ND	29J	ND	ND	63
A14137-6	Aqueous	26-May-07	26-May-07	WELL 195	Upgrad FRL-1	Water	ND	ND	ND	ND	ND	ND	ND	ND	36J	ND	ND	250
A14137-5	Aqueous	26-May-07	26-May-07	WELL 197	Upgrad FRL-4	Water	ND	ND	ND	12	ND	75	ND	ND	24J	ND	ND	710
A14141-1	Aqueous	27-May-07	27-May-07	WELL R124	Background	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	11J	2.5J	ND	30
A14141-2	Aqueous	27-May-07	27-May-07	WELL R125	Background	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A14141-3	Aqueous	27-May-07	27-May-07	WELL R126	Background	Water (dis.)	ND	ND	ND	11	18J	110	340	ND	ND	6.0J	ND	2,300
A14141-4	Aqueous	27-May-07	27-May-07	WELL R127S	Background	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2J	ND	40
A14137-4	Aqueous	26-May-07	26-May-07	WELL 120	Ongrad FRL-1	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	31J	ND	ND	140
A14137-3	Aqueous	26-May-07	26-May-07	WELL 126	Ongrad FRL-2	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	150
A14137-2	Aqueous	26-May-07	26-May-07	WELL 170	Ongrad FRL-3	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	35J	ND	ND	100
A14137-1	Aqueous	26-May-07	26-May-07	WELL 124	Ongrad FRL-4	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	27J	ND	ND	40
A14137-6	Aqueous	26-May-07	26-May-07	WELL 195	Upgrad FRL-1	Water (dis.)	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	71J
A14137-5	Aqueous	26-May-07	26-May-07	WELL 197	Upgrad FRL-4	Water (dis.)	ND	ND	ND	ND	59	ND	ND	ND	ND	ND	ND	120

All soil and sludge samples in ug/kg

All water samples in ug/l

ND - Compound was analyzed for but not detected.

J - Constituent detected but below the MCL. Quantitation is approximate.

FRL - Former River Lagoon

FSDA - Former Sludge Disposal Area

dis. - Dissolved.

\* sample designated as sludge but is actually soil

Table C-5 METALS (EP EXTRACTABLE) 11-Aug-87

Analytical Designation	Matrix	Date Sampled	Date Submitted	ANARE Designation	Area	Type	Concentration (ug/l)							
							Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
A14140-0	Aqueous	27-May-87	27-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14136-3	Aqueous	26-May-87	26-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14129-3	Aqueous	22-May-87	22-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14098-4	Aqueous	18-May-87	18-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14148-4	Aqueous	28-May-87	28-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14128-3	Aqueous	21-May-87	21-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14074-3	Aqueous	12-May-87	12-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14084-3	Aqueous	13-May-87	14-May-87	Field Blank	Blank	Field Blank	500U	10000U	100U	500U	500U	20U	300U	500U
A14046-1	Nonaqueous	07-May-87	08-May-87	RLSC-3 Sludge Comp.	FRL-1	Sludge	350J	710J	100U	500U	500U	20U	300U	500U
A14061-1	Nonaqueous	08-May-87	08-May-87	RLSC-4 Sludge	FRL-1	Sludge	500U	300J	100U	500U	500U	20U	300U	500U
A14069-1	Nonaqueous	11-May-87	11-May-87	RLSC-6 Sludge	FRL-2	Sludge	500U	730J	100U	500U	500U	20U	1000U	500U
A14094-2	Nonaqueous	13-May-87	14-May-87	RLSC-7 Sludge	FRL-3	Sludge	500U	440J	100U	500U	500U	20U	300U	500U
A14074-1	Nonaqueous	12-May-87	12-May-87	RLSC-8 Sludge Comp.	FRL-3	Sludge	500U	620J	100U	500U	500U	20U	300U	500U
A14097-2	Nonaqueous	15-May-87	15-May-87	RLSC-10 Sludge	FRL-4	Sludge	500U	800J	100U	60J	500U	20U	300U	500U
A14148-2	Nonaqueous	28-May-87	28-May-87	RLSC-19 Sludge	FRL-4	Sludge	500U	260J	100U	56J	500U	20U	100U	500U
A14136-3	Nonaqueous	26-May-87	26-May-87	RLSC-17 Sludge	FRL-5	Sludge	500U	10000U	100U	140J	500U	20U	300U	500U
A14140-2	Nonaqueous	27-May-87	27-May-87	RLSC-18 Sludge	FRL-5	Sludge	500U	10000U	100U	500U	500U	20U	300U	500U
A14128-4	Nonaqueous	21-May-87	21-May-87	MASC-1 Sludge	FSDA	Sludge	500U	610J	100U	23J	500U	20U	300U	500U
A14129-2	Nonaqueous	22-May-87	22-May-87	MASC-2 Sludge	FSDA	Sludge	500U	740J	100U	40J	140J	18J	300U	500U
A14109-1	Nonaqueous	20-May-87	20-May-87	RLSC-14	Background	Soil	500U	439J	100U	500U	500U	20U	300U	500U
A14128-1	Nonaqueous	21-May-87	21-May-87	RLSC-15 Soil	Background	Soil	500U	10000U	100U	12J	500U	20U	300U	500U
A14128-2	Nonaqueous	21-May-87	21-May-87	RLSC-16 Soil	Background	Soil	500U	10000U	100U	500U	500U	20U	300U	500U
A14045-1	Nonaqueous	06-May-87	07-May-87	RLSC-1 Sludge Comp.*	FRL-1	Soil	350J	290J	100U	500U	500U	20U	300U	500U
A14045-2	Nonaqueous	06-May-87	07-May-87	RLSC-1 Soil Comp.	FRL-1	Soil	520J	440J	100U	500U	500U	20U	330J	500U
A14065-4	Nonaqueous	06-May-87	07-May-87	RLSC-2 Soil Comp.	FRL-1	Soil	650	320J	100U	500U	500U	20U	500	500U
A14046-2	Nonaqueous	07-May-87	08-May-87	RLSC-3 Soil Comp.	FRL-1	Soil	670	460J	100U	300U	500U	20U	300U	500U
A14061-2	Nonaqueous	08-May-87	08-May-87	RLSC-3 Soil	FRL-2	Soil	390J	470J	100U	500U	500U	20U	300U	500U
A14069-2	Nonaqueous	11-May-87	11-May-87	RLSC-6 Soil	FRL-2	Soil	920	300J	100U	500U	500U	20U	1000U	500U
A14064-1	Nonaqueous	13-May-87	14-May-87	RLSC-7 Soil	FRL-3	Soil	500U	240J	100U	500U	500U	20U	330U	500U
A14074-2	Nonaqueous	12-May-87	12-May-87	RLSC-8 Soil Comp.	FRL-3	Soil	500U	190J	100U	500U	500U	20U	300U	500U
A14097-1	Nonaqueous	15-May-87	15-May-87	RLSC-10 Soil Comp.	FRL-4	Soil	500U	430J	100U	500U	500U	20U	300U	500U
A14148-1	Nonaqueous	28-May-87	28-May-87	RLSC-19 Soil	FRL-4	Soil	500U	10000U	100U	500U	500U	20U	100U	500U
A14136-2	Nonaqueous	26-May-87	26-May-87	RLSC-17 Soil	FRL-5	Soil	500U	10000U	100U	500U	500U	20U	300U	500U
A14140-1	Nonaqueous	27-May-87	27-May-87	RLSC-18 Soil	FRL-5	Soil	230J	720J	100U	500U	500U	20U	300U	500U
A14128-3	Nonaqueous	21-May-87	21-May-87	MASC-1 Soil	FSDA	Soil	180J	620J	100U	500U	500U	20U	300U	500U
A14129-1	Nonaqueous	22-May-87	22-May-87	MASC-2 Soil	FSDA	Soil	500U	180J	100U	300U	500U	20U	300U	60J
A14136-1	Nonaqueous	26-May-87	26-May-87	MASC-3 Soil	FSDA	Soil	500U	10000U	100U	500U	500U	20U	300U	500U
A14098-1	Nonaqueous	18-May-87	18-May-87	RLSC-11 Soil Comp.	Upgrad FRL-1	Soil	500U	350J	100U	500U	500U	20U	300U	500U
A14098-2	Nonaqueous	18-May-87	18-May-87	RLSC-12 Soil Comp.	Upgrad FRL-2	Soil	500U	10000U	100U	500U	500U	20U	300U	500U
A14098-3	Nonaqueous	18-May-87	18-May-87	RLSC-13 Soil Comp.	Upgrad FRL-3	Soil	500U	120J	100U	500U	500U	20U	300U	500U

all values in ug/l

J - Constituent detected but below the MDL. Quantitation is approximate.

U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

FRL - Forster River Lagoon

FSDA - Forster Sludge Disposal Area

\* sample designated as sludge but actually is soil

APPENDIX D

ANALYTICAL LABORATORY REPORTS