ATTACHMENT E-1 Interim Status Monitoring Data



appendix C-1

July 26, 1986

DATA:

W 10 W 11 W 12 W 13

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13842 • Savannah, GA 31416-0842 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 86-1733

Received: 22 JUL 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

LOG NO	SAMPLE DESCRIPTION , GROUND	WATER SAMPLES		SAMPLED BY
1733-4 1733-5	Well 10 Well 12		Savannah	Laboratories
PARAMETER		1733-4	1733-5	,
Arsenic,	mg/1	<0.01	<0.01	(
rium, mg	g/1	<0.05	0.06	
mium, n	ng/l	<0.001	<0.001	14
Chromium,	mg/l	<0.05	<0.05	
Lead, mg/		<0.01	<0.01	
Mercury, p	- Th	<0.0002	<0.0002	
Selenium,	mg/1	<0.005	<0.005	
Silver, mg		<0.001	<0.001	
Fluoride,	mg/l	<0.2	<0.2	
Nitrate-N,	(1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	4.6	1.4	
Pesticides				
Endrin, u	1g/1	<0.02	<0.02	
Gamma-BHC	c, ug/1	<0.004	<0.004	
Methoxych	lor, ug/l	<0.1	<0.1	
Toxaphene	. ug/l	<1	<1	
Herbicides	(SDWA)			
2,4-D, mg	:/1	<0.0001	<0.0001	
2.4.5-TP	Silvex, mg/l	<0.00003	<0.00003	
Turbidity,		>1000	>1000	
	form MF, col/100ml	0	0	
Chloride,		5.2	5.0	
Iron, mg/l		1.1	0.20	

James W. Andrews, Ph.D. President Janette M. Davis

Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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LOG NO: 86-1733

Received: 22 JUL 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY		
	Well 10 Well 12		Savannah	Laboratories
PARAMETER		1733-4	1733-5	
Manganese,		0.08	0.12	
	Total Recoverable, mg/1	<0.01		the second second
'ndium, mg		4.8	49	
lfate, m		2.1	30	
	nic Carbon, mg/l	2.4		
	nic Halogen, mg/l	0.03		
pH, units		5.6	6.8	
	onductance, umhos/cm	60	350	
Copper, mg		<0.05	<0.05	
Nickel. mg		<0.01	<0.01	
Total Cyan		<0.02	<0.02	
Amenable C	yanide, mg/kg dw	<0.02	<0.02	
		250 Line 38		

Janette M. Davis Vice-President

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LOG NO: 86-1733

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LOG NO	SAMPLE DESCRIPTION , GROUND WATE	SAMPLED I		
1733-4 1733-5	Well 10 Well 12		Savannah	Laboratories
PARAMETER		1733-4	1733-5	
Purgeables	1			
Penzene,	mg/l	<0.001	<0.001	
romodich	nloromethane, mg/l	<0.001	<0.001	
Bromoform	n, mg/1	<0.001	<0.001	
Bromometh	nane, mg/l	<0.001	<0.001	
Carbon Te	etrachloride, mg/l	<0.001	<0.001	
Chlorober	nzene, mg/l	<0.001	<0.001	
Chloroeth	nane, mg/l	<0.001	<0.001	
2-Chloroe	thylvinyl Ether, mg/l	<0.001	<0.001	
Chlorofor		<0.001	<0.001	
Chloromet	chane, mg/l	<0.001	<0.001	
Dibromoch	loromethane, mg/l	<0.001	<0.001	
1,2-Dichl	lorobenzene, mg/l	<0.001	<0.001	
1,3-Dich1	orobenzene, mg/l	<0.001	<0.001	
1,4-Dichl	orobenzene, mg/l	<0.001	<0.001	
1.1-Dichl	oroethane, mg/l	<0.001	<0.001	
1,2-Dichl	oroethane, mg/l	<0.001	<0.001	
1,1-Dichl	oroethylene, mg/l	0.014	<0.001	
trans-1,2	2-Dichloroethene, mg/l	<0.001	<0.001	
1,2-Dichl	oropropane, mg/l	<0.001	<0.001	
	Dichloropropene, mg/l	<0.001	<0.001	
	-Dichloropropene, mg/1	<0.001	<0.001	

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

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Received: 22 JUL 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER	SAMPLED E		
1733-4 1733-5	Well 10 Well 12		Savannah	Laboratories
PARAMETER		1733-4	1733-5	
Ethylbenze	ne. mg/l	<0.001	<0.001	
fethylene Chloride, mg/l		<0.001	<0.001	œ.
1.2.2-Tetrachloroethane, mg/l		<0.001	<0.001	
.etrachlor	oethylene, mg/l	<0.001	<0.001	
Toluene, m	ig/1	<0.001	<0.001	
1,1,1-Tric	hloroethane, mg/l	0.001	<0.001	
1.1.2-Tric	chloroethane, mg/l	<0.001	<0.001	
	thylene, mg/l	<0.001	<0.001	
Trichlorofluoromethane, mg/l		<0.001	<0,001	
Vinyl Chlo	ride, mg/l	<0.001	<0.001	
Water Level		36.7	35.3	

Methods: EPA SW-846

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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LOG NO: 86-1733

Received: 22 JUL 86

Mr. Bruce Peake
The Torrington Company
P. O. Box 1667, Friendship Road
Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WAT	ER SAMPLES		SAMPLED BY
1733-11 1733-12			Savannah	Laboratories
PARAMETER		1733-11	1733-12	
Manganese,	mg/l	0.10	0.09	
enolics,	Total Recoverable, mg/l	<0.01	<0.01	
ium, mg	/1	27	32	
Safate, m	g/1	15	52	
Total Orga	nic Carbon, mg/l	7.2	9.4	
Total Organ	nic Halogen, mg/l	0.03	0.03	
pH, units		7.1	6.7	
Specific Co	onductance, umhos/cm	300	250	
Copper, mg.	/1	<0.05	<0.05	
Nickel, mg	/1	<0.01	0.01	
Total Cyan		<0.02	<0.02	
	yanide, mg/l	<0.02	<0.02	
Water Leve		35.3	35.3	
			Secretary and the last last last last last last last last	and and Shoulders

Methods: EPA SW-846

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13842 • Savannah, GA 31416-0842 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 86-1733

Received: 22 JUL 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

LOG NO	SAMPLE DESCRIPTION , GROUND WA	SAMPLE DESCRIPTION , GROUND WATER SAMPLES		
	Well 11 Well 13		Savannah La	boratories
PARAMETER		1733-11	1733-12	
Arsenic, m		<0.01	<0.01	
arium, mg		0.06	<0.05	
daium, n		<0.001	0.001	
Chromium.	mg/l	<0.05	<0.05	
Lead, mg/l		0.01	<0.01	
Mercury, m	ng/l	<0.0002	<0.0002	
Selenium,		<0.005	<0.005	
Silver, mg		<0.001	<0.001	
Fluoride,	mg/l	0.25	<0.2	
Nitrate-N,		0.6	2.5	
Pesticides				
Endrin, u	ng/1	<0.02	<0.02	
Gamma-BHC	, ug/l	<0.004	<0.004	
Methoxych	lor, ug/l	<0.1	<0.1	
Toxaphene	e, ug/l	<1	<1	
Herbicides	(SDWA)			
2,4-D, mg	//1	<0.0001	<0.0001	
2,4,5-TP	Silvex, mg/l	<0.00003	<0.00003	
Turbidity,	NTU	>1000	>1000	
Total Coli	form MF, col/100ml	0	0	
Chloride,	mg/l	5.1	8.8	
Iron, mg/1		0.56	0.08	

November 6, 1986

DATA:

W-10

W-11

W-12

w-B

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 86-2844

Received: 06 NOV 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

Page 5

LOG NO

SAMPLE DESCRIPTION , GROUND WATER SAMPLES

SAMPLED BY

Savannah Laboratories

ARAMETER	2844-6	2844-7	2844-8	2844-9	2844-10
Arsenic, mg/l					<0.01
Barium, mg/l					<0.05
Cadmium, mg/l					<0.002
Chromium, mg/l					<0.05
Lead, mg/l					<0.01
Mercury, mg/1					<0.0002
Selenium, mg/l					<0.003
Silver, mg/l					<0.005
Fluoride, mg/l					0.42
Nitrate-N, mg/1					2.8
Pesticides (SDWA)					
Endrin, ug/l					<0.02
Gamma-BHC, ug/1					<0.004
Methoxychlor, ug/1					<0.1
Toxaphene, ug/1					<1.0
Herbicides (SDWA)					
2,4-D, ug/1					<0.1
2.4.5-TP Silvex, ug/1					<0.03
Turbidity, NTU					30

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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LOG NO: 86-2844

Received: 06 NOV 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667. Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

Page 6

LOG NO SAMPLE DESCRIPTION , GROUND WATER SAMPLES SAMPLED BY

Savannah Laboratories

ARAMETER	2844-6	2844-7	2844-8	2844-9	2844-10
Total Coliform MF, col/100ml			CEPTONICS O		0
Chloride, mg/l					5.7
Iron, mg/l					0.09
Manganese. mg/1					<0.05
Phenolics. Total Recoverable, mg	/1				<0.01
Sodium, mg/l					4.4
Sulfate, mg/l					<1.0
Total Organic Carbon, mg/l					1.5
Total Organic Halogen, mg/l					0.02
pH, units					5,6
Specific Conductance, umhos/cm					60
Nickel, mg/l					<0.05
Copper, mg/l					<0.05
Total Cyanide, mg/1					<0.02
Amenable Cyanide, mg/l					<0.02
Machael 4, 200 - 2					

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION .	SAMPLE DESCRIPTION , GROUND WATER SAMPLES				SAMPLED BY	
2844-6	Well 5				Savannah La	boratories	
2844-7	Well 7		н.				
2844-8	Well 8						
2844-9	Well 9						
2844-10	Well 10			To No. All Assess			
ARAMETER		2844-6	2844-7	2844-8	2844-9	2844-10	
Volatile (Organic Compounds				250.00000000000000000000000000000000000		
Acrolein	A STATE OF THE PROPERTY OF THE	<25	<25	<25	<25	<25	
	trile, ug/l	<25	<25	<25	<25	<25	
Benzene,		<1	<1	<1	<1	<1	
	romethyl)Ether, ug/l	<1	<1	<1	<1	<1	
Bromofor		<1	<1	<1	<1	<1	
	etrachloride, ug/l	<1	<1	<1	<1	<1	
	nzene, ug/l	<1	<1	<1	<1	<1	
	bromomethane, ug/1	<1	<1	<1	<1	<1	
	hane, ug/l	<1	<1	<1	<1	<1	
	ethylvinyl Ether, ug/1	<1	<1	<1	<1	<1	
Chlorofo	[19] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5] [1.5]	<1	<1	<1	<1	<1	
Dichlorol	bromomethane, ug/1	<1	<1	<1	<1	<1	
Dichloro	difluoromethane, ug/1	<1	<1	<1	<1	<1	
1.1-Dich	loroethane, ug/l	33	<1	<1	<1	<1	
1.2-Dich.	loroethane, ug/1	<1	<1	<1	19	<1	
1,1-Dich.	loroethylene, ug/l	13	<1	<1	32	23	
1.2-Dich	loropropane, ug/1	<1	<1	<1	<1	<1	
1,3-Dich	loropropylene, ug/l	<1	<1	<1	<1	<1	

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REPORT OF ANALYTICAL RESULTS

Page 8

LOG NO	SAMPLE DESCRIPTION ,	GROUND WAY	TER SAMPLES			SAMPLED BY	
2844-6 2844-7					Savannah Laboratories		
2844-8	Well 8						
2844-9	Well 9						
2844-10	Well 10						
ARAMETER		2844-6	2844-7	2844-8	2844-9	2844-10	
Ethylbens	zene, ug/l	<1	<1	<1	<1	<1	
	romide, ug/l	<1	<1	<1	<1	<1	
	hloride, ug/l	<1	<1	<1	<1	<1	
	e Chloride, ug/l	150	<1	<1	<1	<1	
	Tetrachloroethane, ug/l	<1	<1	<1	<1	<1	
	oroethylene, ug/1	<1	<1	<1	<1	<1	
Toluene.		1.6	<1	<1	<1	<1	
	s-Dichloroethylene, ug/1	<1	<1	<1	<1	<1	
	ichloroethane, ug/1	190	<1	<1	1.1	1.8	
	ichloroethane, ug/l	<1	<1	<1	<1	<1	
	oethylene, ug/l	<1	<1	<1		<1	
	ofluoromethane, ug/1	<1	<1	<1	<1	<1	
	loride, ug/l	<1	<1	<1	<1	<1	
Water Lev	게 : ' - ' - ' - ' - ' - ' - ' - ' - ' - '	7.2	35.2	32.1	32.5	37.3	

Methods: EPA SW-846

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	G NO SAMPLE DESCRIPTION , GROUND WATER SAMPLES		SAMPLED	
2844-12	Well 11 - Well 12 Well 13		Savannah L	aboratories
PARAMETER			2844-12	
Arsenic, a			<0.01	
darium, mg	2/1		<0.05	
Cadmium, B	ag/1	0.002	<0.002	<0.002
Chromium,			<0.05	
Lead, mg/l		<0.01	<0.01	<0.01
Mercury, m	ng/1 <0	.0002	<0.0002	<0.0002
Selenium.		0.003	<0.003	<0.003
Silver, mg	z/1 <	0.005	<0.005	<0.005
Fluoride,	mg/l	0.31	0.35	0.41
Nitrate-N.	mg/1	1.8	1.4	1.3
Pesticides	(SDWA)			
Endrin, u	ng/1	<0.02	<0.02	<0.02
Gamma-BHC	c, ug/l	0.004	<0.004	<0.004
Methoxych	nlor, ug/l	<0.1	<0.1	<0.1
Toxaphene	e, ug/l	<1.0	<1.0	<1.0
Herbicides	s (SDWA)			
2.4-D. ug		<0.1	<0.1	<0.1
2.4.5-TP	Silvex, ug/l	<0.03	<0.03	<0.03
Turbidity,	NTU	220		290
Total Coli	form MF, col/100ml	0	0	0
Chloride,	mg/1	5.2	3.7	4.5

Janette M. Davis
Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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LOG NO: 86-2844

Received: 06 NOV 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO S.	OG NO SAMPLE DESCRIPTION , GROUND WATER SAMPLES		SAMPLED BY	
2844-12 W	ell 11 ell 12 ell 13		Savannah La	boratories
PARAMETER		2844-11	2844-12	2844-13
ron, mg/l		1.9	0.59	1.3
Manganese, mg	/1	0.08	<0.05	0.07
	al Recoverable, mg/l	<0.01	<0.01	<0.01
Sodium, mg/1	30 (CE-027) (10 () 3 () 3 () 3 () 4 () 4 () 4 () 4 () 4 () 4 () 4 () 4 () 4 () 4 () 4 () 4 ()	16	11	9.7
Sulfate, mg/1		2.0	2.3	8.4
Total Organic	Carbon, mg/l	5.8	4.9	4.8
	Halogen, mg/1	<0.02	<0.02	<0.02
pH, units		6.8	6.4	6.3
	uctance, umhos/cm	120	90	75
Nickel, mg/l	and the same of th	<0.05	<0.05	<0.05
Copper, mg/1		<0.05	<0.05	<0.05
Total Cyanide	. mg/1	<0.02	<0.02	<0.02
Amenable Cyan		<0.02	<0.02	<0.02

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER	R SAMPLES		SAMPLED BY
2844-11	Well 11	<u> </u>	Savannah La	boratories
2844-12	Well 12			
2844-13	Well 13		amman	
PARAMETER		2844-11	2844-12	2844-13
Volatile (Organic Compounds			
Acrolein		<25	<25	<25
	trile, ug/l	<25	<25	<25
Benzene,		<1	<1	<1
	romethyl)Ether, ug/l	<1	<1	<1
Bromofor		<1	<1	<1
	etrachloride, ug/l	<1	<1	<1
Chlorobe	nzene, ug/1	<1	<1	<1
Chlorodi	bromomethane, ug/l	<1	<1	<1
Chloroet	hane, ug/l	<1	<1	<1
2-Chloro	ethylvinyl Ether, ug/l	<1	<1	<1
Chlorofo	rm, ug/l	<1	<1	<1
Dichloro	bromomethane, ug/l	<1	<1	<1
Dichloro	difluoromethane, ug/l	<1	<1	<1
1,1-Dich	loroethane, ug/l	<1	<1	<1
1,2-Dich	loroethane, ug/l	<1	<1	<1
1,1-Dich	loroethylene, ug/l	<1	<1	2.3
	loropropane, ug/l	<1	<1	<1
	loropropylene, ug/l	<1	<1	<1
	zene, ug/l	<1	<1	<1
Methyl B	romide, ug/l	<1	<1	<1

Janette M. Davis Vice-President

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LOG NO: 86-2844

Received: 06 NOV 86

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467



REPORT OF ANALYTICAL RESULTS

Page 12

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES			SAMPLED BY
2844-11 2844-12 2844-13	Well 11 Well 12 Well 13		Savannah La	aboratories
PARAMETER	2844	-11	2844-12	2844-13
Methyl Ch	loride, ug/l	<1	<1	<1
Methylene	Chloride, ug/l	<1	<1	<1
1,1,2,2-T	etrachloroethane, ug/l	<1	<1	<1
Tetrachlo	roethylene, ug/l	<1	<1	<1
Toluene,	ug/l	<1	<1	<1
1,2-Trans	-Dichloroethylene, ug/l	<1	<1	<1
1,1,1-Tri	chloroethane, ug/l	<1	<1	<1
1,1,2-Tri	chloroethane. ug/l	<1	<1	<1
Trichloro	ethylene, ug/l	<1	<1	<1
Trichloro	fluoromethane, ug/l	<1	<1	<1
Vinyl Chl	oride, ug/l	<1	<1	<1
Water Leve	l, feet 3	5.9	35.8	36.0

Methods: EPA SW-846

Janette M. Davis

February S. 1987

DATA

W-10

w-11

W-12

W-13

SP-1

SP-2

SP-3

WIHITM white out

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTI	ON , WATER SAME	PLES			SAMPLED BY
	MW #7				Savannah Lal	ooratories
0335-10 0335-11	MW #8					
0335-11	MW #9					
0335-12	MW #10	-51				
0335-14	MW #11					
PARAMETER		0335-10	0335-11	0335-12	0335-13	0335-14
		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic, m		0.13	0.25	0.19	0.43	0.19
Barium, mg		<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium, m		<0.05	0.05	<0.05	0.07	<0.05
Chromium,		0.01	0.02	0.01	0.02	<0.01
Lead, mg/l		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury, m		<0.01	<0.01	<0.01	<0.01	<0.01
Selenium,		<0.05	<0.05	<0.05	<0.05	<0.05
Silver, mg		<0.2	<0.2	<0.2	<0.2	<0.2
Fluoride, Nitrate-N		4.1	3.8	2.7	6.7	3.7
Pesticides					1.17.22	
Endrin,		<0.02	<0.02	<0.02		<0.02
Gamma-BHC		<0.01	<0.01	<0.01		<0.01
	nlor, ug/l	<0.5	<0.5	<0.5		<0.5
Toxaphene		<1.0	<1.0	<1.0	<1.0	<1.0
Herbicides			23	20.0	20.1	<0.1
2,4-D, u		<0.1	<0.1	<0.1		
	Silvex, ug/1	<0.03				250
Turbidity		120	250	150	40	250

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAM	PLES	v.: 432.532		SAMPLED BY
					Savannah La	boratories
0335-10	MW #7					
0335-11	MW #8					
0335-12	MW #9					
0335-13	MW #10				*	
0335-14	MW #11					
PARAMETER		0335-10	0335-11	0335-12	0335-13	0335-14
		0	0	0	0	0
	iform MF, col/100ml	5.0	4.5	5.1	6.0	6.2
Chloride,		10	18	12	15	6.5
Iron, mg/		0.06	0.06	<0.05	0.14	<0.05
Manganese	, mg/l		<0.01	<0.01	<0.01	<0.01
	,Total Recoverable, mg	7.0	4.7	3.8		29
Sodium, m		5.0	8.0	5.0	100000	6.0
Sulfate,		1.0	3.4	2.2		1.4
Total Org	anic Carbon, mg/l	<0.02	<0.02	0.03	Y = 1 2 2 1	<0.02
	anic Halogen, mg/l	6.0	5.4	5.6		7.2
pH, units		40	35	35	60	200
	Conductance, umhos/cm	<0.05	<0.05			<0.05
Copper, m		<0.05	<0.05	<0.05	Contraction of the Contraction o	<0.05
	t Chromium, mg/l	<0.05	<0.05	<0.05		<0.05
Nickel, m	ng/1	<0.03	<0.02			<0.02
	nide, mg/l menable), mg/l	<0.02	<0.02		0.20-22	<0.02

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION ,	WATER SAM	PLES			SAMPLED BY
					Savannah La	boratories
0335-10	MW #7					
0335-11	8 WM					
0335-12	MW #9					
0335-13	MW #10					
0335-14	MW #11					
PARAMETER		0335-10	0335-11	0335-12	0335-13	0335-14
Volatile (Organic Compounds		495	<25	<25	<25
Acrolein		<25	<25	<25		<25
	trile, ug/l	<25	<25	<1	<1	<1
Benzene,	ug/l	<1	<1	<1	<1	<1
Bis(chlo	romethyl)Ether, ug/l	<1	<1		<1	<1
Bromofor		<1	<1	<1	<1	<1
Carbon T	etrachloride, ug/l	<1	<1	<1	<1	<1
Chlorobe	nzene, ug/1	<1	<1	<1	<1	<1
Chlorodi	bromomethane, ug/1	<1	<1	<1	1.02	<1
	hane, ug/1	<1	<1	<1		<1
2-Chloro	ethylvinyl Ether, ug/l	<1	<1	<1	N 6	<1
Chlorofo	orm, ug/l	<1	<1	<1		<1
Dichloro	bromomethane, ug/1	<1	<1	<1		<1
Dichlore	difluoromethane, ug/1	<1	<1	<1		
	loroethane, ug/l	<1	<1	68		<1
	loroethane, ug/1	<1	<1	<1		<1
1 1-0101	loroethylene, ug/l	<1	<1	34		
1 2-0101	nloropropane, ug/l	<1	<1	<1		<:
1,3-Dich	nloropropylene, ug/1	<1	<1	<1	<1	<1

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION	WATER SAM	PLES			SAMPLED BY
0335-10	MW #7				Savannah La	boratories
0335-11	MW #8					
0335-12	MW #9					
0335-13	MW #10					
0335-14	MW #11		والمرابات المراب المرابع المرابع			
PARAMETER		0335-10	0335-11	0335-12	0335-13	0335-14
		<1	<1	<1	<1	<1
	zene, ug/l	<1	<1	<1	<1	<1
	romide, ug/l	<1	<1	<1	<1	<1
	hloride, ug/l	<1	<1	<1	<1	<1
Methylen	e Chloride, ug/l	7.00	<1	<1	<1	<1
	Tetrachloroethane, ug/	<1	<1	<1	<1	<1
	oroethylene, ug/l	<1	<1	<1	2.6	<1
Toluene,	ug/l		<1	<1	<1	<1
1,2-Tran	s-Dichloroethylene, ug	(/1 <1	<1	<1	<1	<1
1,1,1-Tr	ichloroethane, ug/1	<1		<1	<1	<1
	ichloroethane, ug/1	<1	<1	<1	<1	<1
	oethylene, ug/l	<1	<1	<1	<1	<1
Trichlor	ofluoromethane, ug/1	<1	<1		<1	<1
Vinyl Ch	loride, ug/l	<1	<1	<1	5 a 1 a	34.0
	rel (to top of	31.5	30.0	30.5	35.0	04,0

Methods: EPA SW-846

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES			SAMPLED BY
0335-15 0335-16	MW #12		Savannah	Laboratories
PARAMETER		0335-15	0335-16	
		<0.01	0.02	
Arsenic,		0.47	1.3	3
Barium, m		<0.01	<0.01	
Cadmium,		0.06	0.17	t –
Chromium.		0.02	0.05	5
Lead, mg/		<0.0002	<0.0002	2
Mercury,		<0.01		
Selenium,		<0.05	<0.0	5
Silver, m		<0.2		2
Fluoride,		3.2	27.7	9
Nitrate-N				
Pesticide		<0.02	<0.0	2
Endrin,		<0.01	<0.0	1
Gamma-BH		<0.5		5
	hlor, ug/1	<1.0		0
Toxapher				
Herbicide		<0.1	<0.	1
2,4-D, t		<0.03		3
	Silvex, ug/l	400	The same of the sa	
Turbidity	, NTU	0		
	liform MF, col/100ml	4.9		1
Chloride	, mg/l	18		4
Iron, mg.	/1	10		5-1424444

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION , WATER SAMPLES	A	SAMPLED BY
0335-15 MW #12 0335-16 MW #13		Savannah Laboratories
PARAMETER	0335-15	0335-16
	0.10	0.71
Manganese, mg/l Phenolics, Total Recoverable, mg/l	<0.01	<0.01
	8.6	9.2
3odium, mg/l	6.0	7.0
Sulfate, mg/l Total Organic Carbon, mg/l	1.6	1.0
Total Organic Halogen, mg/1	<0.02	<0.02
	7.1	7.1
pH, units Specific Conductance, umhos/cm	110	55
	<0.05	0.09
Copper, mg/l	<0.05	<0.05
Hexavalent Chromium, mg/l	<0.05	<0.05
Nickel, mg/l	<0.02	<0.02
Total Cyanide, mg/l Cyanide(Amenable), mg/l	<0.02	<0.02

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLE	ES		SAMPLED BY
0335-15	MW #12		Savannah Lal	boratories
0335-16	MW #13			
PARAMETER		0335-15	0335-16	
	Organia Compounds			
Volatile	Organic Compounds	<25	<25	
Acrolein	, ug/1	<25	<25	
Acryloni	trile, ug/l	<1	<1	
Benzene,	ug/1	<1	<1	
Bis (chlo	romethyl)Ether, ug/l	<1	<1	
Bromofor	m, ug/1	<1	<1	
Carbon T	etrachloride, ug/l	<1	<1	
Chlorobe	enzene, ug/l	<1	<1	
Chlorodi	bromomethane, ug/1	<1	<1	
Chloroet	thane, ug/1	<1	<1	
2-Chlore	ethylvinyl Ether, ug/l	<1	<1	
Chlorofo	orm, ug/l	<1	<1	
Dichlord	obromomethane, ug/1	<1	<1	
Dichlore	odifluoromethane, ug/l	<1	<1	
1,1-Dick	nloroethane, ug/l	<1	<1	
1,2-Dick	hloroethane, ug/l	<1	1.3	
1,1-Dick	hloroethylene, ug/1	<1	100	
1,2-Dic	hloropropane, ug/l	<1	<1	
1,3-Dic	hloropropylene, ug/l	<1	<1	
Ethylbe	nzene, ug/l	<1	<1	
Methyl	Bromide, ug/1	<1	<1	
Methy1	Chloride, ug/l			

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	u badia	SAMPLED	BY
0335-15 0335-16	MW #12 MW #13		Savannah Laboratori	es
PARAMETER		0335-15	0335-16	
	obligation up/1	<1	<1	
Methylene	Chloride, ug/l	<1	<1	
	etrachloroethane, ug/l	<1	<1	
	roethylene, ug/l	<1	2.9	
Toluene,	ug/1	<1	<1	
1,2-Trans	-Dichloroethylene, ug/l	<1	<1	
1,1,1-Tr1	chloroethane, ug/l	<1	<1	
1,1,2-Tr1	chloroethane, ug/l	<1	<1	
Trichloro	ethylene, ug/l	<1	<1	
	fluoromethane, ug/1	<1	<1	
Water Leve	oride, ug/l l (to top of casing), feet	32.6	34.3	

Methods: EPA SW-846

Janefte M. Davis



CHAIN OF CUSTODY RECORD

	1			COLOR CODE	8111	I TRE			
TOTTERS OF STREET	Su Vania		563111						
1		Com. Tour	711100					ADDITIONAL SAMPLE	AMPLE
SLALS INT. HALL HALL	131103	SAMPLE IDENTIFICATION	IC OF	(3)				INFURBATION SP Cond	NO
1335 145/87 0950	7	59-1	4	-	3		S		Adjust All 5-9.
2/5/87 1000	7	59.2	7	7	3		1.7	540	Adust pl
2/5/87 1015	7	50-3	+	T	3		0,7		Admit FL
			 						
Mingulahed by:	Jate/Time	Received by:	Half 1.35	Relinguished by:	y: Date/Time	Golor Gode/Preservative Green - suffuric acid Furple - no preservative Kod - no preservative	ervative nic acid reservative	Container sea	seal Intact
Re Finquished by:		Received by:	Dite/Time	Relinguished by:	y: Bate/Time		Tan - zinc actrate Yellow - sodium thiosulfate	Lub	



CHAIN OF CUSTODY RECORD

						0	COLOR CODE	CODE										
SAMPLEPS SAMPLET SY VER	IANIE/I DICA	Sy Waria			253MIATM		N.									Ser.		
SLASS INT.	Barrier.	anc:	Dehri Jarei	SAMPLE IDENTIFICATION	100 ot CO	130	10/1/2	10/1/2		1 19	V. / /		18/6/3	9.1		3//3	INFO	ADDITIONAL SAMPLE INFORMATION So. Cond
1375 14/87	0.5 68	7	WW #		.,	-	E	///	13							1 1		
14/2	2551 187 K	7	,		4		,	, ,	3							8.9		80
4/5	3/1/8/1705	7	MW 3		7	-	,		3							6.0		560
11/2	21-1/67 1745	7	MN 5		7	0	-		2				1			5.8		11
111	14/87	7 1	Z A A A III													79		
					A1 11													
Wellinquished by:	ed hy:		Time Received hy:	2 7 E	16/TIme	Rellin	quish	Relinquished by:		Date/Time	in in	Green -	Coulc/	Prese	tor Code/Preservative Green - suffurie acid Furple - no preservative	רואה	Container Field	Beal Intact
Rud spanished hy:	led liy:		Date/Time Received by	T ==		Relin	quieh	Relinquished by:		Date/Time	- Inc	Yellow Yellow Blue	Tau - zinc acctate Yellow - sodium th Blue - sodium hydro	rodin	- nodinm thiosul sodium hydroxide	for actate - sodium thiosulfate sodium hydroxide	Lub	



CHAIN OF CUSTODY RECORD

COMPANY NAME/LUCATION	AME/1.003	WILL			Scat			V			%		No.	8	13	
5 .:	1	Jy Viene	1 3	1	NATHCO		100			733					(31)	ADDITIONAL SAMPLE
SI.8ES LOC: NO. 11A11	I IIMI		BARD	SAMPLE IDENTIFICATION	3C ON					A STATE OF THE PARTY OF THE PAR			34		1/3	INFURHATION 5P. Cor.:
1335 2410 DSC	250 (2)		7	Well # 1!	10	1 2		=	3							ς÷.
mic	3/4/87 1315	-	1	rieil # (2	07	-	1	-	3	-				7.1	7.7	140
17/10	A4/87 1340		7	Un:11 ≠ 1()	10	1		/	m	//		e s			6.4	63
74/B7	237	1	,	Well # 7	10	7		=	m	,	111	12	E.		6.9	43
14/6	74/87 1430)	8 # //w	10	7	7	7	Э	//			11 11 11		6.5	44
3/4/6	08/1 1/30/C		7	b or llaw	10	-	7)-	M			. 11			6.3	33
2/1/20	0440 63	,	3	Well # 13	10	-	c	7	3	1	7				4.6	001
									9-1		- 1				Ma	of sainde Meds to be all
			N	Norse . ON Well # 13			141					(f)			4	behiere 5-9-500 Str. W.
-		- 7	76	3. 19 sturbe was not billed	1			1 1							Also	dock in w/ soom - needs to
			11	An 2 300 ml											be pl	plused in ted plaste soom
			1.4	1 has 2 500 mg	1/				CA E			5		1		
	10															-
ō																
								5						12		1778
Kelinquished by:	ed by:	Jac.	Jace/Time	Received by: A	Hinte/Time	-	ngulsh	Relinquished by:		Date/Time	7.5	Color Code/Preservative Creen - sulfuric acid Purple - no preservat Ned - ntric acid	Preser sulfurt no pre	ode/Preservative - sulfuric acid - no preservative	ve	tintainer seul intact Field
Red Inquished by:	ed lay:	Dare/1	Y.T.Imt	Received by:	Date/Time		ngulsh	Relinquished by:		Dute/Time		Ton - zinc actate Yellow - sodium th	Bod fum	Yellow - sodium thiosulfate	Ifate	Lab

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	N , WATER SAMPLES			SAMPLED BY
0335-1 0335-2 0335-3 0335-4	SP-1 SP-2 SP-3 L-1			Savannah I	aboratories
PARAMETER		0335-1	0335-2	0335-3	0335-4
	nnide, mg/l Amenable), mg/l	67 64	<0.02 <0.02		

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER	SAMPLES	ATABAGA	5	SAMPLED BY
0335-1	SP-1			Savannah Lab	oratories
0335-2	SP-2				
0335-3	SP-3				
0335-4	L-1				
PARAMETER		0335-1	0335-2	0335-3	0335-4
	Organic Compounds	<25	<25	<25	<25
Acrolein		<25	<25	<25	<25
	trile, ug/l	<1	<1	<1	<1
Benzene,		<1	<1	<1	<1
	romethyl)Ether, ug/l	<1	<1	<1	<1
Bromofor		<1	<1	<1	<1
	etrachloride, ug/l	<1	<1	<1	<1
	enzene, ug/l	<1	<1	<1	<1
	bromomethane, ug/1	<1	<1	<1	<1
	chane, ug/l	<1	<1	<1	<1
	ethylvinyl Ether, ug/l	140	2.2		<1
	orm, ug/1	2.1	<1	<1	<1
	bromomethane, ug/1	<1	<1	A 70	<1
	difluoromethane, ug/1	5.6	1.3		41
	loroethane, ug/l	<1	<1		<1
	nloroethane, ug/1	3.7	<1		<1
	nloroethylene, ug/l	<1	<1		<1
	nloropropane, ug/1		<1	- AUT -	<1
and the same of th	nloropropylene, ug/l nzene, ug/l	<1 <1	<1		<1

Received: 05 FEB 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , WATER SA	MPLES			AMPLED BY
				Savannah Lab	oratories
0335-1	SP-1				
0335-2	SP-2				
0335-3	SP-3				
0335-4	L-1				
PARAMETER		0335-1	0335-2	0335-3	0335-4
		<1	<1	<1	<1
	Bromide, ug/l	<1	<1	<1	<1
Methyl (Methyl Chloride, ug/l		<1	<1	<1
Methyler	ne Chloride, ug/l	<1 <1	<1	<1	<1
1,1,2,2	-Tetrachloroethane, ug/1	<1	<1	<1	<1
	loroethylene, ug/l	<1	<1	<1	<1
Toluene	, ug/l	<1	<1	<1	<1
1,2-Trai	ns-Dichloroethylene, ug/1	<1	<1	<1	2.9
1,1,1-T	richloroethane, ug/l	<1	<1	<1	<1
1,1,2-T	richloroethane, ug/l		<1	<1	1.5
Trichlo	roethylene, ug/l	<1	<1	<1	<1
Trichlo	rofluoromethane, ug/l	<1	<1	<1	<1
Vinyl C	hloride, ug/l vel (to top of casing), feet	<1 7.3	6.9	4 1 2	2.7

Methods: EPA SW-846

april 28, 1987

DATA:

W-10

w- 11

W-17

w - 13

SP-1

SP -2

SP -3

SP -4

SP-5

SALLING.

SP-7

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-1267

Received: 28 APR 87

Mr Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts-Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPT	ION . WATER SAM	PLES			SAMPLED BY
1267-6	W-7		202222000000	22 P. D. S. S. S. W.		Client
1267-7	W-8					100
	W-9			1		
1267-9	W-10					
	W-11					
RAMETER		1267-6	1267-7	1267-8	1267-9	1267-10
Arsenic, m	α	0.06		<0 01	0.04	<0.01
Barium. mg	Oli Par	0.14	< 0 05	<0.05	< 0 0.5	0.11
Cadmium. n		< 0.01	<0.01	<0.01	<() (1)	< 0 01
Chromium.		< 0.05	< 0.05			<0.05
Lead, mg/		0.07		< 0 0 !		
Mercury.		< 0 0002	< 0 0002	< 0 00003	<0.0002	<0.0002
Selenium.		< 0.01	< 0.01	<0.01	<0.01	<0.01
Silver. mg		<0.02	< 0.02	< 0.02	< 0 02	<0 02
Fluoride.		< 0.2	<0.2	< 0.2	<0 2	<0.2
Nitrate-N.		3.3	2.5	1.7	3.4	3.2
Pesticides						
Endrin, 1		<0.02	<0.02	<0.02	<0.02	<0.02
Gamma-BHO		<0.01	< 0.01	<0.01	<0.01	<0.01
	nlor, ug/l	<0.5	< 0.5	<0.5	< 0.5	<0.5
Toxaphene		<1	<1	<1	< 1	< 1
Herbicides						
2,4-D, ug		< 0.2	<0.2	<0.2	<0.2	<0.2
	Silvex, ug/l	<0.04	<0.04	<0.04	<0.04	<0.04
Turbidity	and the second of the second o	80	80	60	210	170
			opensile at 1	32,,2251126		

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-1267

Received: 28 APR 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts-Versar

REPORT OF ANALYTICAL RESULTS

1267-6	W- 7					Client
1267-7	W-8					
1267-8	W- 9					
1267-9	W-10					
1267-10	W-11	eredreckie	303007232			
ARAMETER		1267-6	1267-7	1267-8	1267-9	1267-10
Total Coli	form MF, col/100ml	0	0	0	0	0
Chloride.		6	4	5	7	6
Iron. mg/1		0.10	0.05	0.12	0.08	0.07
Manganese.		0.12	< 0.05	<0.05	<0.05	<0.05
	Total Recoverable, mg/	1 <0.01	<0.01	< 0.01	<0.01	<0.01
Sodium, mg		7.5	4.1	3.4	4.7	13
Sulfate, m		<1.0	<1.0	<1.0	<1.0	2.1
	nic Carbon, mg/l	3.2	1.0	1.4	1.0	1.0
	nic Halogen, mg/1	<0.02	<0.02	<0.02	<0.02	<0.02
pH, units		5.3	5.1	6.3	5.3	7.1
	Conductance, umhos/cm	45	35	75	55	250
	Chromium, mg/1	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel, mg		<0.05	<0.05	<0.05	<0.05	<0.05
Copper. mg		<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, n		<0.02	<0.02	<0.02	<0.02	<0.02
	menable), mg/l	<0.02	<0.02	<0.02	<0.02	<0.02

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LOG NO: 87-1267

Received: 28 APR 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667. Friendship Road Sylvania, GA 30467

CC: Mark Potts-Versar

REPORT OF ANALYTICAL RESULTS

1,0G NO	SAMPLE DESCRIPTION .	WATER SAME	PLKS		- 1000 (No. 200 al Com	SAMPLED BY
1267-6	W-7			*****		Client
1267-7	W-8					
1267-8	W-9				1	
1267-9	W-10					
1267-10	W-11					
RAMETER		1267-6	1267-7	1267-8	1267-9	1267-10
Volatile (Organic Compounds					
Acrolein		<50	< 50	<50	<50	<50
	trile, ug/l	<50	<50	<50	<50	<50
Benzene,		<1	<1	< 1	<1	< 1
	romethyl)Ether, ug/l	<1	<1	< 1	< 1	< 1
Bromoform		<1	<1	< 1	<1	<1
	etrachloride, ug/l	<1	<1	< 1	< 1	<1
	nzene, ug/l	<1	<1	< 1	<1	<1
	promomethane, ug/1	<1	<1	< 1	<1	<1
	hane, ug/l	<1	<1	< 1	<1	<1
2-Chloroe	ethylvinyl Ether, ug/l	<1	<1	< 1	<1	<1
Chlorofor		<1	<1	< 1	< 1	<1
	bromomethane, ug/1	<1	<1	<1	<1	<1
Dichloro	difluoromethane, ug/l	<1	<1	< 1	<1	<1
	loroethane, ug/1	< 1	<1	100	<1	24
1.2-Dich	loroethane, ug/1	< 1	<1	< 1	5 1	< 1
	loroethylene, ug/l	23	<1	34	17	<1
1.2-Dich	loropropane, ug/l	< 1	< 1	< 1	<1	<1
1,3 Dich	larapropylene, ug/1	< 1	< 1	< 1	£1	<1

ws, Ph.D.

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Bruce	Peake	
Torri	ngton Company	
O Box	1667. Friendship Road	i
vania.	GA 30467	

VAIIIA, GA SUSTI	CC: Mark Potts-Versar
REPORT OF ANALYTICAL RESULTS	Page 7
SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
W-7	Client
W-8 W-9	
W-10	
W-11	

	1267-6	1267-7	1267-8	1267-9	1267-10
ene, ug/l	<1	< 1	<1	<1	<1
omide, ug/l	<1	<1	<1	<1	<1
loride, ug/l	< 1	<1	<1	<1	<1
Chloride, ug/1	< 1	<1	< 1	< 1	<1
etrachloroethane, ug/1	<1	<1	<1	< 1	<1
roethylene. ug/l	<1	<1	<1	<1	<1
ug/l	<1	<1	< 1	< 1	<1
-Dichloroethylene, ug/1	<1	<1	< 1	<1	<1
chloroethane, ug/l	29	<1	2 4	1.7	<1
chloroethane, ug/l	< 1	<1	<1	< 1	< 1
ethylene, ug/l	<1	<1	<1	<1	< 1
fluoromethane, ug/l	<1	< 1	< 1	< 1	< 1
oride, ug/l	< 1	<1	< 1	< 1	< 1
I (to top of	31.1	22 9	23 7	28.2	27.5
feet					
in Field), units	5.6	4 8	5 2	5 0	6.9
inductance (Taken	45	36	37	56	170
). umhos/cm					
		٠٠ ليانينيني	3535		

SW-846 and 40 CFR Part 136

15 41 100 444

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Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts-Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAME	PLES	2220000000000000	SAMPLED BY
1267-11	W-12		*******	Clien
1267-12	W-13			
PARAMETER		1267-11	1267-12	
·latile (Organic Compounds	0.00		
rolein.		<50	<50	
Acrylonit	trile, ug/l	<50	<50	
Benzene.		< 1	<1	
Bisichlor	romethyl)Ether, ug/!	<1	<1	
Bromoforn		<1	<1	
Carbon Te	etrachloride, ug/l	<1	<1	
Chlorober	nzene, ug/l	<1	<1	
	bromomethane, ug/l	< 1	<1	
	hane, ug/l	< 1	<1	
	ethylvinyl Ether, ug/l	<1	<1	
Chlorofor		<1	<1	
	bromomethane, ug/1	<1	<1	
Dichloro	difluoromethane, ug/l	<1	<1	
	loroethane, ug/l	<1	<1	
	loroethane, ug/l	13	2.0	
	loroethylene, ug/l	<1	<1	
	loropropane, ug/l	<1	<1	
	loropropylene, ug/l	<1	< 1	
	zene, ug/l	<1	<1	
	romide, ug/l	<1	<1	
The second secon	hloride, ug/1	<1	<1	

James W. Andrews, Ph.D. President

Janette M. Davis

Vice-President

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	REPORT OF ANALYTICAL	RESULTS		Page 11
LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES			SAMPLED BY
1267-11	W-12			Client
1267 12	W 13			
PARAMETER		1267-11	1267-12	
	e Chloride, ug/l	<1	<1	
	Tetrachloroethane. ug/l	<1	<1	
	oroethylene, ug/l	< 1	<1	
Toluene.		< 1	<1	
	s-Dichloroethylene, ug/l	<1	<1	
	ichloroethane, ug/l	<1	<1	
	ichloroethane, ug/l	< 1	<1	
	oethylene, ug/l	< 1	<1	
	ofluoromethane, ug/l	< 1	<1	
	loride, ug/l	< 1	<1	
	el (to top of casing), feet	26.8	27.1	
	in Field), units	6.8	6.3	
	Conductance (Taken in Field), umhos/cm	170	57	
Meth	ods: EPA SW-846 and 40 CFR Part 136	1514 17	2	1000 7076 7

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1.3-Dichloropropylene, ug/l <1

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	REPO	ORT OF ANAI	YTICAL RESU	JLTS		Page 12
1.0G NO	SAMPLE DESCRIPTION .	WATER SAM	IPLES			SAMPLED BY
1267-13	SP-1			CONTRACTOR OF STREET		Client
1267-14	SP-2					
1267-15	SP-3					
1267-16	SP-4					
1267-17	SP-5					
RAMETER	***	1267-13	1267-14	1267-15	1267-16	1267-17
Volatile (Organic Compounds		77777777		* 5500000000000000000000000000000000000	-1-1-1-1-1-1
Acrolein	, ug/l	<50	<50	<50	<50	<50
Acryloni	trile, ug/l	<50	<50	<50	<50	<50
Benzene,	ug/l	<1	<1	<1	<1	<1
Bis(chlo	romethyl)Ether, ug/1	<1	<1	<1	<1	< 1
Bromofor		<1	<1	<1	<1	< 1
Carbon To	etrachloride, ug/l	<1	<1	<1	<1	<1
	nzene, ug/l	<1	<1	<1	< 1	<1
Chlorodi	bromomethane, ug/l	<1	<1	<1	<1	< 1
Chloroet	hane. ug/l	<1	<1	<1	< 1	< 1
2-Chloro	ethylvinyl Ether, ug/l	<1	<1	< 1	< 1	<1
Chlorofo	rm. ug/l	<1	14	19	43	2.1
Dichloro	bromomethane, ug/1	<1	<1	< 1	< 1	< 1
Dichloro	difluoromethane, ug/l	<1	<1	< 1	<1	< 1
1.1-Dich	loroethane, ug/l	12	4 8	4.5	3 7	< 1
1.2-Dich	loroethane, ug/l	< 1	< 1	< 1	< 1	< 1
1.1 Dich	loroethylene. ug/l	5.4	1 4	1.8	12	5.7
1.2-Dich	loropropane. ug/l	< 1	<1	<1	< 1	< 1

<1

<1

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REPORT OF ANALYTICAL RESULTS

Page 13

LOG NO	SAMPLE DESCRIPTION ,	WATER SAM	PLES			SAMPLED BY
1267-13	SP-1					Client
1267-14	SP-2					
1267-15	SP-3					
1267-16	SP-4					
1267-17	SP-5			51000000000		
AMETER		1267-13	1267-14	1267-15	1267-16	1267-17
Ethylbens	zene, ug/l	<1	<1	<1	<1	<1
	romide, ug/l	<1	<1	< 1	<1	< 1
The state of the s	hloride, ug/l	<1	<1	<1	<1	< 1
the second secon	e Chloride, ng/l	<1	<1	<1	< 1	<1
	l'etrachloroethane. ug/l	<1	<1	<1	<1	<1
	oroethylene, ug/l	<1	< 1	<1	<1	< 1
Toluene.		<1	<1	< 1	<1	< 1
	s-Dichloroethylene. ug/	<1	< 1	< 1	< 1	< 1
	ichloroethane, ug/l	<1	3.4	19	110	1 3
	ichloroethane, ug/l	<1	<1	< 1	<1	< 1
	oethylene, ug/!	< 1	< 1	<1	< 1	< 1
	ofluoromethane, ug/l	<1	< 1	< 1	<1	<1
	loride, ug/l	<1	< 1	<1	< 1	<1
Cadmium,		< 0.01	<0.01	<0.01	< 0.01	<0.01
Chromium.	1. FTP 1. A	<0.05	<0.05	<0.05	<0.05	<0.05
	t Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	< 0.05
Nickel, m		0.14	<0.05	<0.05	<0.05	<0.05
Copper, m		31	22	8.1	2.0	<0.05
Cyanide,		50	18	3 0	<0.02	<0.02
	Tora	17	×t	÷.,	164	a

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		RE	PORT OF ANAI	LYTICAL RES	ULTS		Page 14
LOG NO	SAMPLE	DESCRIPTION	, WATER SAM	MPLES			SAMPLED BY
1267-13	SP-1						Client
1267-14	SP-2						7,44,44
1267-15	SP-3						
1267-16	SP-4						
1267-17	SP-5						
ARAMETER			1267-13	1267-14	1267-15	1267-16	1267-17
Cyanide (Ame	enable), r	ng/1	46	17	2.0	<0.02	<0.02
Total Organ	nic Carbon	1. mg/l	89	29	21	8.1	2.2
Water Leve	1 (to top	of casing)	feet 9.7	8.2	7.4	8.6	8.1
pH (Taken	in Field)	units	5 1	5.3	5.3	4.8	4 - 7

Specific Conductance (Taken 4280 1050 930 770 120

Methods: EPA SW-846 and 40 CFR Part 136

in Field), umhos/cm

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1.06 NO: 87-1267

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REPORT OF ANALYTICAL RESULTS

SAMPLED BY	SAMPLES	SAMPLE DESCRIPTION , WATER	LOG NO
Clien		SP-7	1267-18
	126718		PARAMETER
		rganic Compounds	Volatile Or
	<250		Acrolein.
	<250	rile, ug/l	
	<5		Benzene, u
	<5	omethyl)Ether, ng/1	
	<5		Bromoform.
	<5	trachloride, ng/1	And the second s
	<5		Chlorobenz
	<5	comomethane, ng/1	
	<5		Chloroetha
	<5	thylvinyl Ether, ug/1	
	<5		Chloroform
	<5	romomethane, ug/l	
	<5	ifluoromethane, ug/l	
	<5	oroethane, ug/l	
	<5	oroethane, ug/l	
	<5	oroethylene, ug/1	
	<5	oropropane, ug/l	
	<5	oropropylene, ug/1	
	<5		Ethylbenze
	<5	omide, ug/l	
	<5	loride, ug/l	
	<.5	Chloride, ug/l	

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Sylvania, GA 30467

CC: Mark Potts-Versar

REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES		SAMPLED BY
1267-18	SP-7		Client
PARAMETER		1267-18	
1 1 2 2-1	Tetrachloroethane, ug/l	<5	
	oroethylene, ug/l	<5	
Toluene, ng/l		<5	
1,2-Trans-Dichloroethylene, ug/1		<5	
	ichloroethane, ug/l	<5	
1,1,2-Trichloroethane, ug/l		<5	
	nethylene, ug/l	< 5	
	ofluoromethane, ug/1	<5	
	loride, ug/l	<5	
Cadmium,		<0.01	
Chromium,	71 1 2	<0.05	
	t Chromium, mg/l	<0.05	
Nickel, m		0.12	
Copper, m		3600	
Cyanide,		90	
	menable), mg/l	45	
	anic Carbon, mg/l	120	
	el (to top of casing), feet	4.7	
	in Field), units	9.7	
	Conductance (Taken in Field), umhos/cm	44300	

Methods: EPA SW-846 and 40 CFR Part 136

august 11, 1987

DATA:

W-10

W-11

w-12

w-13

SP-1

SP - 2

SP -3

SP-4

SP-5

SP - 7

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LOG NO: 87-2558

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REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
W-10 W-11 W-12 W-13			Savannah La	boratories
	2558-10	2558-11	2558-12	2558-13
nic Carbon, mg/l nic Halogen, mg/l onductance, umhos/cm g/l mg/l Chromium, mg/l /l g/l	2.0 <0.02 5.3 50 <0.01 <0.05 <0.05 <0.05 <0.02	1.1 <0.02 7.0 190 <0.01 <0.05 <0.05 <0.05 <0.02 <0.02	1.0 <0.02 6.6 110 <0.01 <0.05 <0.05 <0.05 <0.02 <0.02	1.0 <0.02 6.0 45 <0.01 <0.05 <0.05 <0.05 <0.02 <0.02
	W-10 W-11 W-12 W-13 nic Carbon, mg/1 nic Halogen, mg/1 conductance, umhos/cm g/1 mg/1 Chromium, mg/1 /1	W-10 W-11 W-12 W-13 2558-10 mic Carbon, mg/1 nic Halogen, mg/1 onductance, umhos/cm g/1 conductance, umhos/cm g/1 conductance, umhos/cm g/1 conductance, umhos/cm g/1 conductance, umhos/cm so g/1 conductance, umhos/cm so g/1 conductance, umhos/cm so	W-10 W-11 W-12 W-13 2558-10 2558-11 nic Carbon, mg/1 nic Halogen, mg/1 onductance, umhos/cm g/1 conductance, umhos/cm conductance	W-10 W-11 W-12 W-13 2558-10 2558-11 2558-12 Dic Carbon, mg/l Dic Halogen, mg/l Dic Halogen, mg/l Savannah La 2558-12 2558-12 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1

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LOG NO: 87-2558

Received: 11 AUG 87

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C: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQU	SAMPLE DESCRIPTION , LIQUID SAMPLES				
2558-10 2558-11 2558-12 2558-13	W-10 W-11 W-12 W-13			Savannah La	boratories	
PARAMETER		2558-10	2558-11	2558-12	2558-13	
	Organic Compounds		<50	<50	<50	
Acrolein		<50	<50	<50	<50	
	trile, ug/l	<50 <1	<1	<1	<1	
:ene,	ug/l	<5	<5	<5	<5	
	romethyl)Ether, ug/l	<1	<1	<1	<1	
Bromofon	m, ug/1	<1	<1	<1	<1	
	etrachloride, ug/l	<1	<1	<1	<1	
	nzene, ug/l	<1	<1	<1	<1	
	bromomethane, ug/l	<1	<1	<1	<1	
	hane, ug/l	<1	<1	<1	<1	
	ethylvinyl Ether, ug/l	<1	<1	<1	<1	
Chlorofo		<1	<1	<1	<1	
	bromomethane, ug/1	<1	<1	<1	<1	
	difluoromethane, ug/l	<1	<1	<1	<1	
	lorœthane, ug/l	<1	<1	<1	<1	
	loroethane, ug/l	34	3.1	<1	2.3	
	loroethylene, ug/l		<1	<1	<1	
	loropropane, ug/l	<1	<1	<1	<1	
	loropropylene, ug/l	<1 <1	<1	<1	<1	
Ethylben	zene, ug/l		-1			

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REPORT OF ANALYTICAL RESULTS

Page 12

LOG NO	SAMPLE DESCRIPTION , LIQU	JID SAMPLES			SAMPLED BY
2558-10 2558-11 2558-12 2558-13	W-10 W-11 W-12 W-13			Savannah La	boratories
PARAMETER		2558-10	2558-11	2558-12	2558-13
Methyl Ch hylene ,2,2-T Tetrachlo Toluene, 1,2-Trans 1,1,1-Tri 1,1,2-Tri Trichloro Trichloro	omide, ug/l loride, ug/l chloride, ug/l etrachloroethane, ug/l roethylene, ug/l ug/l —Dichloroethylene, ug/l chloroethane, ug/l chloroethane, ug/l chloroethane, ug/l sethylene, ug/l ofluoromethane, ug/l oride, ug/l	<1 <1 <1 <1 <1 <1 <1 2.8 <1 1.1 <1	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	4 4 4 4 4 4 4 4 4 4 2.9
Additiona Xylene,	1 Compounds: ug/l	<1 5.86	<1.69	<1 6.53	<1 5.73
Specific C	in Field), units Conductance (Taken in Field		116	80	33

451

James W. Andrews, Ph.D. President

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LOG NO: 87-2558

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REPORT OF ANALYTICAL RESULTS

Page 13

LOG NO	SAMPLE DESCRIPTION , LIQUID	SAMPLES			SAMPLED BY
2558-10 2558-11 2558-12 2558-13	W-10 W-11 W-12 W-13			Savannah La	boratories
PARAMETER	-	2558-10	2558-11	2558-12	2558-13
	l (to top of casing), feet probenzene, %	31.33	30.39 120	30.50 97	30.81

Methods: EPA 40 CFR Part 136 and SW-846

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-2558

Received: 11 AUG 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	N , LIQUID SA	MPLES			SAMPLED BY
2558-18 2558-19 2558-20 2558-21 2558-22	SP-1 SP-2 SP-3 SP-4 SP-5				Savannah La	boratories
PARAMETER		2558-18	2558-19	2558-20	2558-21	2558-22
Nickel, m Cyanide,	mg/l t Chramium, mg/l g/l	<0.01 <0.05 <0.05 0.06 24 23	<0.01 <0.05 <0.05 <0.05 <0.05 2.6 2.0	<0.01 <0.05 <0.05 <0.05 0.37 0.03	<0.01 0.29 <0.05 0.09 0.62 0.08	<0.01 <0.05 <0.05 <0.05 <0.02 <0.02

Janette M. Davis Vice-President

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION ,	LIQUID SA	MPLES			SAMPLED BY
2558-18 2558-19 2558-20 2558-21 2558-22	SP-1 SP-2 SP-3 SP-4 SP-5				Savannah La	boratories
PARAMETER		2558-18	2558-19	2558-20	2558-21	2558-22
olein,	Organic Compounds ug/l crile, ug/l	<50 <50	<50 <50	<50 <50	<50 <50	<50 <50
	comethyl) Ether, ug/l	<1 <5	<1 <5	<1 <5 <1	<1 <5 <1	<1 <5 <1
	etrachloride, ug/l	<1 <1 <1	<1 <1 <1	<1 <1	<1 <1 <1	<1 <1
Chlorodia	nzene, ug/l promomethane, ug/l	1.1	<1	<1 <1	<1 <1	<1 <1
	nane, ug/l ethylvinyl Ether, ug/l	<1 340	<1 9.6	<1 2.6	<1 19	<1 <1
Dichloro	oromomethane, ug/l difluoromethane, ug/l	15 <1	<1 <1	<1 <1	<1 <1	<1 <1
1,1-Dichl	loroethane, ug/l loroethane, ug/l	5.1	1.6	<1 <1	2.9 <1	<1 <1
1,1-Dichi	loroethylene, ug/l loropropane, ug/l	1.5 <1	<1 <1	1.2	<1	3.9
	loropropylene, ug/l	<1	<1	<1	<1	<1

Janette M. Davis Vice-President

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Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

C: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

Page 19

LOG NO	SAMPLE DESCRIPTION ,	LIQUID SA	MPLES			SAMPLED BY
2558-18 2558-19 2558-20 2558-21 2558-22	SP-1 SP-2 SP-3 SP-4 SP-5				Savannah La	boratories
PARAMETER		2558-18	2558-19	2558-20	2558-21	2558-22
Ethul henz	:ene, ug/1	<1	<1	<1	<1	<1
	camide, ug/l	<1	<1	<1	<1	<1
	nloride, ug/l	<1	<1	<1	<1	<1
M. wlene	Chloride, ug/l	<1	<1	<1	<1	<1
1.1.2.2-7	etrachloroethane, ug/l	<1	<1	<1	<1	<1
	proethylene, ug/l	<1	<1	<1	<1	<1
Toluene,		<1 <1	12	<1	<1	<1
1 2-Trans	Dichloroethylene, ug/l		<1	<1	<1	<1
	chloroethane, ug/l	<1	<1	<1	<1	<1
	chloroethane, ug/l	<1	<1	<1	<1	<1
	oethylene, ug/l	1.1	<1	<1	<1	<1
	ofluoromethane, ug/1	<1	<1	<1	<1	<1
	Loride, ug/l	<1	<1	<1	<1	<1
Additiona	al Compounds:				5.	
Xylene,		<1	<1	<1	<1	<1
						· ·
	15. 2	7,7	13	Ц		4

503

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-2558

Received: 11 AUG 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

Page 20

LOG NO	SAMPLE DESCRIPTION	, LIQUID SA	MPLES			SAMPLED BY
2558-18	SP-1				Savannah La	boratories
2558-19	SP-2					
2558-20	SP-3					
2558-21	SP-4					
2558-22	SP-5					
PARAMETER		2558-18	2558-19	2558-20	2558-21	2558-22
oH (Taken	in Field), units	4.70	5.28	5.81	4.99	4.64
rific (Conductance (Taken	3520	639	780	491	49
Water Leve	d), umhos/cm el (to top of	8.35	5.75	7.75	7.98	8.67
casing)	uorobenzene, %	92	93	96	97	95
Copper, m		19	2.2	1.4	2.1	0.06

Methods: EPA 40 CFR Part 136 and SW-846

SP-6 and SP-8 were dry

Janette M. Davis Vice-President

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Received: 11 AUG 87

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CC: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID S	AMPLES	SAMPLED BY
2558-23	SP-7		Savannah Laboratories
PARAMETER		2558-23	
Nickel, mg Cyanide, m	mg/l : Chromium, mg/l g/l	<0.01 <0.05 <0.05 0.40 3600 3200	- 1

Janette M. Davis Vice-President

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LOG NO: 87-2558

Received: 11 AUG 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAM	PLES SAMPLE	D BY
2558-23	SP-7	Savannah Laborato	ries
PARAMETER		2558-23	
	Organic Compounds	<250	
Acrolein		<250	
	trile, ug/l	<5	
Benzene,	ug/l	<25	
Bis(chlo	ramethyl)Ether, ug/l	<5	
	m, ug/l	<5	
	etrachloride, ug/l	<5	
	nzene, ug/l	<5	
	bromomethane, ug/1	<5	
	hane, ug/l	<5	
	ethylvinyl Ether, ug/l	30	
	orm, ug/l	<5	
	bromomethane, ug/1	<5	
	difluoromethane, ug/l	55	
	loroethane, ug/l	<5	
	loroethane, ug/l	170	
	loroethylene, ug/l	<5	
	loropropane, ug/l	<5	
	loropropylene, ug/l	<5	
	zene, ug/l	<5	
	Bramide, ug/l	<5	
	hloride, ug/l	<5	
Methyler	ne Chloride, ug/l		-

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

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LOG NO: 87-2558

Received: 11 AUG 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

CC: Mark Potts, Versar

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY
2558-23	SP-7		Savannah Laboratories
PARAMETER		2558-23	
	Tetrachloroethane, ug/l	<5	
	oroethylene, ug/l	<5 <5	
Toluene,	ug/l	<5	
1,2-Tran	s-Dichloroethylene, ug/l ichloroethane, ug/l	<5	
1,1,1-11	ichloroethane, ug/l	<5	
	oethylene, ug/l	32	
	ofluoromethane, ug/l	<5	
	loride, ug/l	<5	
Addition	al Compounds:	-	
Xylene,	ug/l	<5	
nH (Taken	in Field), units	9.24	
Specific	Conductance (Taken in Field), umhos/cm	19010	
Water Lev	el (to top of casing), feet	4.77	
4-Bramof1	uorobenzene, %	114	
Copper, m	g/l	2200	
	ods: EPA 40 CFR Part 136 and SW-846 and SP-8 were dry	Total 20 voce ppb	



VXXMO	CORRANY RASH/LIGGALION	COLON			~ b							S.	(S)	3	1	1111	
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S181.S 106:30.	1100	Jan.(**)	3740	SAMPLE IDENTIFICATION		X		No.							11	INFOR	INFORMATION Cod
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1/3	13/ 11/1/2	1	12	71-11					877H	80					5.	11	20
le le	dules 2:15	1		7-3					7	97					5,5	3,	09
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Hyme Band	Shed by:		(8)	Wiley Time Received by:	5/4/87/2-30	Rel	Relinquished by:	thed t		Date/Time		lor Code Green - Purple - Ked - n	sulfur no p	Calor Code/Preservative Green - sulfuric acid Purple - no preservative Red - nitric acid	ive ive	Eleld	seal intact
J. I mquis	All inquirahed by:	1	1/2	techived by:	Date/Time		Relinguished by:	hed l	1.50	Bate/Tim		Tan - 2 Tellow Blue -	ow - sodium the sodium hadr	fan - zine acetate (ellow - sodium thiosulfate Blue - sodium hydroxide	sulfate ide	Lati	



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OCATION C. Jon: 4				
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3:55 /	9		18.5	140
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OJ WEI	Relinquished by:	Cate/Time Tan - Red - Re	- zinc actrate - zinc actrate - sodium thiosulfate - sodium hydroxide - hydrochloric acid	, a



				111
3 5	CATION	/ Sy Jenia		
SAMPLERS (SGOTHER) BRISBAN		Johnson 1		ADDITIONAL SAMPLE INFORMATION
SL&ES DATE . TIME	_	SAMPLE IDENTIFICATION		
2558 181.0/47 13.26	7	1、既然中の アーノ		
91.12	7	RP-1	# H H H H H H H H H H H H H H H H H H H	
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91.019 1605	7		<i>h</i>	
	7	Sp-4 NOC-NO ACIO	7 11 11 11 11 11 11 11 11 11 11 11 11 11	
	7	SP-3 VOC. NO ACID	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	7	SP-1 Vec-NOACID	7 11 11 1	
10	7	5.6-3	3/1/1/2	
8/10/00/1842	2	RP-2		
13018	1	RP-3		
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51.010 0 0 95	7	SP-7 Vor No Acid	777	
11.00				1
Relinquished by:	Date/Ti	Received by:	Relinquished by: Date/Time Color Co	Container seat in
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Relinquished by:	llare/Ti	Date/Time Received by: // : Date	Date/Time Relinquished by: Date/ File - Sodium Chlosuiface Blue - Sodium hydroxide	- 77



Syluballi Syluballi Comp Comp Comp Comp Comp Comp Comp Comp	LOR CODE EN 1 M 1 P 1 P 1 D 1 S S S S S S S S S S S S S S S S S	CATION 2 CATION S CAT	JAN - NO JAN COLO TO NO TO	My acio	7					Date/Time Received by: Date/Time Relinquished by: Date/Time Color Code/Preservative Container seal intact Green - sulfuric acid Field Field	Date/Time Relinquished by: Date/Time
	3 6		Contract of	7 3					1	ate/Ti	1/87 ate/T

Appendix C-1 (cont.)

December 10, 1987

DATA:

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-4458

Received: 10 DEC 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

Page 9

LOG NO	SAMPLE DESCRIPTION , LIQUID SAM	SAMPLED B			
4458-11 4458-12 4458-13 4458-14	W-12 (12/8/87) W-13 (12/8/87) SP-1 (12/9/87) L-1 (12/9/87)			Savannah La	boratories
PARAMETER		4458-11	4458-12	4458-13	4458-14
Specific Co	onductance (Taken in Field), umho	os/cm 101	32	4900	162

Methods: EPA 40 CFR part 136

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , I			SAMPLED BY		
4458-6 4458-7 4458-8 4458-9 4458-10	W-7 (12/9/87) W-8 (12/9/87) W-9 (12/8/87) W-10 (12/8/87) W-11 (12/8/87)		Savannah La	boratories		
PARAMETER	PARAMETER 4		4458-7	4458-8	4458-9	4458-10
atile (Organic Compounds	<50	<50	<50	<50	<50
Acrylonitrile, ug/l		<50	<50	<50	<50	<50
Benzene, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0
Bis(chloramethyl)Ether, ug/l		<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	n, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Te	etrachloride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorober	nzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodia	promomethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroeth	nane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloro	ethylvinyl Ether, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dich	loroethane, ug/l	<1.0	<1.0	38	<1.0	<1.0
1,2-Dich	lorœthane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dich	loroethylene, ug/l	27	<1.0	48	6.2	2.3
1,2-Dichi	loropropane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,	3-Dichloropropylene, ug/	1 <1.0	<1.0	<1.0	<1.0	<1.0

Janette M. Davis Vice-President

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REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION , L	SAMPLE DESCRIPTION , LIQUID SAMPLES					
4458-1 W-1 (12/8/87) 4458-2 W-2 (12/9/87) 4458-3 W-3 (12/9/87) 4458-4 W-4 (12/8/87) 4458-5 W-5 (12/8/87)	458-2 W-2 (12/9/87) 458-3 W-3 (12/9/87) 458-4 W-4 (12/8/87)					
PARAMETER	4458-1	4458-2	4458-3	4458-4	4458-5	
`atile Organic Compounds						
olein, ug/l	<50	<50	<50	<50	<50	
Acrylonitrile, ug/l	<50	<50	<50	<50	<50	
Benzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Bis(chloramethyl)Ether, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	
Bromoform, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Carbon Tetrachloride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Chlorobenzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Chlorodibromomethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	32	
2-Chloroethylvinyl Ether, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroform, ug/l	<1.0	<1.0	5.7	<1.0	<1.0	
Dichlorobromomethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Dichlorodifluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethane, ug/l	<1.0	52	56	<1.0	170	
1,2-Dichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethylene, ug/l	<1.0	9.9	6.8	<1.0	17	
1,2-Dichloropropane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,3-Dichloropropylene, ug/1	<1.0	<1.0	<1.0	<1.0	<1.0	

Janette M. Davis Vice-President

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LOG NO: 87-4458

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REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION ,	LIQUID SAM	PLES			SAMPLED BY
4458-1 W-1 (12/8/87) 4458-2 W-2 (12/9/87) 4458-3 W-3 (12/9/87) 4458-4 W-4 (12/8/87) 4458-5 W-5 (12/8/87)		Savannah Lah	coratories		
PARAMETER	4458-1	4458-2	4458-3	4458-4	4458-5
hylbenzene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
hyl Bromide, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Chloride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride, ug/l	<1.0	<1.0	<1.0	<1.0	12
1,1,2,2-Tetrachloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethylene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene, ug/l	<1.0	<1.0	<1.0	<1.0	1.5
1,2-Trans-Dichloroethylene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane, ug/l	2.5	3.3	<1.0	2.0	91
1,1,2-Trichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene, ug/l	49	<1.0	2.2	<1.0	<1.0
Trichlorofluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride, ug/l	<1.0	<1.0	2.5	<1.0	4.0
Cyanide, mg/l	<0.02	<0.02	<0.02	<0.02	<0.02
Cyanide(Amenable), mg/l	<0.02	<0.02	<0.02	<0.02	<0.02
Cadmium, mg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, mg/l	0.02	<0.01	<0.01	<0.01	<0.01
Hexavalent Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel, mg/l	<0.01	<0.01	<0.01	<0.01	0.04

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LOG NO: 87-4458

Received: 10 DEC 87

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE	E DESCRIPTION	LIQUID SAM	PLES			SAMPLED BY
4458-1 4458-2 4458-3 4458-4 4458-5	₩-2 ₩-3 ₩-4	(12/8/87) (12/9/87) (12/9/87) (12/8/87) (12/8/87)				Savannah Lal	coratories
PARAMETER			4458-1	4458-2	4458-3	4458-4	4458-5
	n Field		ft 13.57 4.81 73	13.48 4.79 48	10.76 4.73 708	18.45 5.25 23	8.22 4.94 49

Methods: EPA 40 CFR part 136

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LOG NO	SAMPLE DESCRIPTION ,	SAMPLE DESCRIPTION , LIQUID SAMPLES					
4458-6 4458-7 4458-8 4458-9 4458-10	W-7 (12/9/87) W-8 (12/9/87) W-9 (12/8/87) W-10 (12/8/87) W-11 (12/8/87)	W-8 (12/9/87) W-9 (12/8/87) W-10 (12/8/87) W-11 (12/8/87)					
PARAMETER		4458-6	4458-7	4458-8	4458-9	4458-10	
hylbenzene, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0	
	ramide, ug/l	<2.0	<1.0	<1.0	<1.0	<1.0	
Methyl Chloride, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0	
Methylene Chloride, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2,2-Tetrachloroethane, ug/l		<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethylene, ug/l		<1.0	<1.0	<0	<1.0	<1.0	
Toluene,		<1.0	<1.0	<1.0	<1.0	<1.0	
	s-Dichloroethylene, ug/	1 <2.0	<1.0	<1.0	<1.0	<1.0	
	ichloroethane, ug/l	10	<1.0	<1.0	4.8	<1.0	
1,1,2-Tr	ichloroethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichlor	oethylene, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichlor	ofluoromethane, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl Ch	loride, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	
Cyanide, mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	
Cyanide (A	menable), mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	
Cadmium,		<0.005	<0.005	<0.005	<0.005	<0.005	
Chromium,		<0.01	0.02	0.02	0.02	<0.01	
Hexavalen	t Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	
Nickel, m	g/l	0.03	<0.01	<0.01	<0.01	<0.01	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION		SAMPLED E			
4458-6 4458-7 4458-8 4458-9 4458-10	W-7 (12/9/87) W-8 (12/9/87) W-9 (12/8/87) W-10 (12/8/87) W-11 (12/8/87)				Savannah La	boratories
PARAMETER		4458-6	4458-7	4458-8	4458-9	4458-10
Taken i Specific Co	(to top of casing), n Field), units nductance (Taken , umhos/cm	ft 36.43 5.40 44	27.73 4.94 30	28.74 5.25 26	33.10 5.10 46	32.29 6.59 124

Methods: EPA 40 CFR part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID		SAMPLED		
4458-11 4458-12 4458-13 4458-14	W-12 (12/8/87) W-13 (12/8/87) SP-1 (12/9/87) L-1 (12/9/87)		Savannah Laboratorie		
PARAMETER		4458-11	4458-12	4458-13	4458-14
	rganic Compounds				.50
rolein,		<50	<50	<250	<50
ylonitrile, ug/l		<50	<50	<250	<50
Benzene,		<1.0	<1.0	<5.0	<1.0
	amethyl)Ether, ug/l	<5.0	<5.0	<25	<5.0
Bromoform, ug/l		<1.0	<1.0	<5.0	<1.0
Carbon Tetrachloride, ug/l		<1.0	<1.0	<5.0	<1.0
Chlorobenzene, ug/l		<1.0	<1.0	<5.0	<1.0
	romomethane, ug/l	<1.0	<1.0	<5.0	<1.0
Chloroeth	ane, ug/l	<1.0	<1.0	<5.0	<1.0
2-Chlorœ	thylvinyl Ether, ug/l	<1.0	<1.0	<5.0	<1.0
Chlorofor	m, ug/l	<1.0	<1.0	500	<1.0
Dichlorobromomethane, ug/l		<1.0	<1.0	<5.0	<1.0
Dichlorodifluoromethane, ug/l		<1.0	<1.0		<1.0
1,1-Dichloroethane, ug/l		<1.0	2.9	<5.0	510
1,2-Dichl	oroethane, ug/l	<1.0	<1.0	<5.0	<1.0
	oroethylene, ug/l	<1.0	5.1	<5.0	140
	oropropane, ug/1	<1.0	<1.0	<5.0	<1.0
	-Dichloropropylene, ug/l	<1.0	<1.0	<5.0	<1.0
Ethylbenz		<1.0	<1.0	<5.0	<1.0

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REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION , LIQU	JID SAMPLES		SAMPLED BY Savannah Laboratories	
4458-11 W-12 (12/8/87) 4458-12 W-13 (12/8/87) 4458-13 SP-1 (12/9/87) 4458-14 L-1 (12/9/87)				
PARAMETER	4458-11	4458-12	4458-13	4458-14
Methyl Bramide, ug/l thyl Chloride, ug/l thylene Chloride, ug/l 1,1,2,2-Tetrachloroethane, ug/l Tetrachloroethylene, ug/l Toluene, ug/l 1,2-Trans-Dichloroethylene, ug/l 1,1,1-Trichloroethane, ug/l 1,1,2-Trichloroethane, ug/l Trichloroethylene, ug/l Trichlorofluoromethane, ug/l	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	<5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	<1.0 3.6 <1.0
Vinyl Chloride, ug/l Cyanide, mg/l Cyanide(Amenable), mg/l Cadmium, mg/l Chromium, mg/l Hexavalent Chromium, mg/l Nickel, mg/l Water Level (to top of casing), ft pH (Taken in Field), units	<1.0 <0.02 <0.02 <0.005 <0.01 <0.05 0.01 32.13 6.76	<0.01 <0.05		76 <0.02 <0.05 <0.01 <0.05 <0.01 30.99 9.67

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY
4458-15	SP-2 (12/9/87)	Savannah Laboratories	
PARAMETER		4458-15	
Cyanide,		1.7	
Cyanide(A	menable), mg/l	0.7	
Cadmium, 1	ng/l	<0.005	
Chromium,	mg/l	0.03	
	t Chramium, mg/l	<0.05	
1 .1, m	The state of the s	<0.01	
Water Leve	el (to top of casing), ft	9.50	
	in Field), units	5.20	
	Conductance (Taken in Field), umhos/cm	809	

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPL	SAMPLED BY		
4458-16 4458-17	LF-1 LF-2	(12/9/87) (12/9/87)		Savannah Laboratories
PARAMETER	7		4458-16	4458-17
Cadmium, m Chromium, Hexavalent kel, mg	mg/l Chromi	um, mg/l	<0.005 <0.01 <0.05 0.09	<0.005 <0.01 <0.05 0.02

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REPORT OF ANALYTICAL RESULTS

.0G NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		Savannah Laboratories
1458-16 1458-17	LF-1 (12/9/87) LF-2 (12/9/87)	4458-16	4458-17
PARAMETER			
Acrolein, Acrylonit nzene, Lis(chlor Bromofon Carbon T Chlorobe Chlorodi Chlorodi Chlorofo Dichloro 1,1-Dic 1,2-Dic 1,2-Dic trans-l Ethylbe	ug/l ug/l ramethyl)Ether, ug/l	<50 <50 <1.0 <5.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	<1.0 3500 <1.0 <1.0 <1.0 <1.0

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED E	
4458-16 4458-17	LF-1 (12/9/87) LF-2 (12/9/87)		Savannah Laboratorie	
PARAMETER		4458-16	4458-17	
Methylene	Chloride, ug/l	<1.0	<1.0	
	etrachloroethane, ug/l	<1.0	<1.0	
	roethylene, ug/l	<1.0	27	
luene, t		<1.0	3.2	
	-Dichlorcethylene, ug/l	<1.0	<1.0	
	chloroethane, ug/l	5.0	880	
	chloroethane, ug/l	<1.0	<1.0	
	ethylene, ug/l	<1.0	5.8	
	fluoromethane, ug/l	<1.0	<1.0	
	oride, ug/l	<1.0	11	
	1 (to top of casing), ft	12.25	11.41	
	in Field), units	4.44	4.82	
	onductance (Taken in Field), umhos/cm	126	397	

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REPORT OF ANALYTICAL RESULTS

LOG NO	458-19 Field Blank 12/9/87		SAMPLED BY Savannah Laboratories	
4458-19 4458-20				
PARAMETER		4458-19	4458-20	
Volatile (Organic Compounds			
Acrolein	, ug/l	<50	<50	
Acryloni	trile, ug/l	<50	<50	
nzene,		<1.0		
3(chlo	romethyl)Ether, ug/l	<5.0		
Bromofon		<1.0		
Carbon T	etrachloride, ug/l	<1.0		
Chlorobe	nzene, ug/l	<2.0		
Chlorodi	bromomethane, ug/l	<1.0		
	hane, ug/l	<1.0		
2-Chloro	ethylvinyl Ether, ug/l	<1.0		
Chlorofo	rm, ug/l	<1.0		
Dichloro	bromomethane, ug/1	<1.0		
Dichloro	difluoramethane, ug/l	<1.0		
1,1-Dich	loroethane, ug/l	<1.0		
1,2-Dich	loroethane, ug/l	<1.0		
1,1-Dich	loroethylene, ug/l	<1.0		
	loropropane, ug/l	<1.0	<1.0	
	3-Dichloropropylene, ug/l	<1.0		
	zene, ug/l	<1.0	<1.0	
	Bramide, ug/l	<1.0	<1.0	
	hloride, ug/l	<1.0	<1.0	

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LOG NO	SAMPLE DESCR	IPTION , LIQUID SAM	PLES	SAMPLED B	
4458-19 4458-20	Field Blank Trip Blank			Savannah Labo	ratories
PARAMETER			4458-19	4458-20	
Methylene	e Chloride, ug/	1	<1.0	<1.0	
	Tetrachloroetha		<1.0	<1.0	
	proethylene, ug		<1.0	<1.0	
luene,			<1.0		
2-Trans	s-Dichloroethyl	ene, ug/l	<1.0	<1.0	
1,1,1-Tr:	ichloroethane,	ug/l	<1.0	<1.0	
1,1,2-Tr:	ichloroethane,	ug/I	<1.0	<1.0	
Trichlore	bethylene, ug/1		<1.0	<1.0	
Trichlore	ofluoromethane,	ug/l	<1.0	<1.0	
	loride, ug/l		<1.0	<1.0	
Cyanide, I			<0.02	<0.02	
	menable), mg/l		<0.02	<0.02	
Cadmium,			<0.005	<0.005	
Chromium,			<0.01	<0.01	
	t Chromium, mg/	1	<0.05	<0.05	
Nickel, m			<0.01	<0.01	

Methods: EPA 40 CFR part 136

Wells W-7A, SP-6 and SP-8 were dry.

Janette Davis Long

James W. Andrews, Ph.D.

President

Janette M. Davis

Vice-President

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LOG NO: 87-4485

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPL	E DESCRIPTION , LIQUID SAMPLES		SAMPLE	D BY
4485-9 4485-10	SP-3 LF-3	(12/10/87) (12/10/87)		Savannah Laborato	ories
PARAMETER			4485-9	4485-10	
Cyanide, n			1.8	0.03	
Cyanide (An		, mg/1	0.45	0.028	
Cadmium, n	-		<0.005 <0.01	<0.005	
omium,		um. ma /3	<0.01	<0.01	
Nickel, mo		um, mg/l	0.01	<0.01	
		op of casing), ft	9.64	12.60	
pH (Taken			5.51	5.98	
		nce (Taken in Field), umhos/cm	1359	880	

Methods: EPA 40 CFR part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	OG NO SAMPLE DESCRIPTION , LIQUID SAME		ES	SAMPLED BY Savannah Laboratories	
4485-11 4485-12 4485-13	SP-9 SP-4 SP-7	SP-4 (12/10/87)			
PARAMETER			4485-11	4485-12	4485-13
Volatile O Acrolein, rylonit .zene,	ug/l rile, u ug/l	g/l	<50 <50 <1	<50 <50 <1	<1250 <1250 <25
Bromoform	, ug/1)Ether, ug/l oride, ug/l	<5 <1 <1	<5 <1 <1	<125 <25 <25
Chloroben	zene, u		<1 <1	<1 <1	<25 <25
Chloroeth	ane, ug		<1 <1	<1 <1	<25 <25
	romomet	hane, ug/1	3.1 <1	7.2 <1	<25 <25
Dichlorod 1,1-Dichl		methane, ug/l une, ug/l	<1 1.2	<1 <1	<25 <25
1,2-Dichl		ne, ug/l vlene, ug/l	<1 3.6	<1 5.6	<25 49
		pane, ug/l propropylene, ug/l	<1 <1	<1 <1	<25 <25
Ethylbenz Methyl Br	ene, uc	1/1	<1 <1	<1 <1	<25 <25

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REPORT OF ANALYTICAL RESULTS

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LOG NO	NO SAMPLE DESCRIPTION , LIQUID SAMPLES			SAMPLED BY	
4485-11 4485-12 4485-13	SP-9 (12/10/87) SP-4 (12/10/87) SP-7 (12/10/87)		Savannah La	boratories	
PARAMETER		4485-11	4485-12	4485-13	
Methyl C	hloride, ug/l	4	<1	<25	
	e Chloride, ug/l	<1	<1	<25	
	Tetrachloroethane, ug/l	<1	<1	<25	
	oroethylene, ug/l	<1	<1	<25	
Toluene,	A CANADA	<1	<1	<25	
	ns-Dichloroethylene, ug/l	<1	6.9	<25	
	richloroethane, ug/l	3.7	9.7	<25	
1,1,2-Tr	richloroethane, ug/l	<1	<1	<25	
	coethylene, ug/l	<1	<1	<25	
	ofluoromethane, ug/l	<1	<1	<25	
Vinyl Ch	loride, ug/l	<1	<1	<25	
Cyanide,		0.14	<0.02	2000	
	Amenable), mg/l	<0.02	<0.02	980	
Cadmium,		<0.005	<0.005	<0.005	
Chromium,		0.20	0.16	0.17	
	nt Chromium, mg/l	<0.05	<0.05	<0.05	
Nickel, n		0.07	0.05	0.95	
	rel (to top of casing), ft	7.21	10.93	5.40	
	n in Field), units	4.87	4.92	9.66	
	Conductance (Taken in Field), umhos/cm	344	672	46400	

Methods: EPA 40 CFR part 136

James W. Andrews, Ph.D. President

Janette M. Davis

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPL	E DESCRIPTION , LIQUID S	AMPLES	SAMPLED E
4485-14 4485-15	LF-1 LF-2	(12/10/87) (12/10/87)		Savannah Laboratorie
PARAMETER			4485-14	4485-15
Cyanide, m Cyanide(Am		, mg/l	<0.02 <0.02	<0.02 <0.02

Methods: EPA 40 CFR part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION , I	LIQUID SAM	MPLES			SAMPLED BY		
4485-1 W-15 4485-2 W-16 4485-3 W-17 4485-4 W-18 (12/10/87) 4485-5 DSA-2 (12/10/87)	W-16 W-17 W-18 (12/10/87)						
PARAMETER	4485-1	4485-2	4485-3	4485-4	4485-5		
'atile Organic Compounds rolein, ug/l Acrylonitrile, ug/l Benzene, ug/l Bis(chloromethyl)Ether, ug/l Bromoform, ug/l Carbon Tetrachloride, ug/l Chlorobenzene, ug/l Chloroethane, ug/l 2-Chloroethylvinyl Ether, ug/l	<50 <50 6.7 <5 <1 <1 <1 <1 <1	<50 <50 <1 <5 <1 <1 <1 <1 <1	<50 <50 <1 <5 <1 <1 <1 <1	<50 <50 <1 <5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<50 <50 <1 <5 <1 <1 <1 <1 <1		
Chloroform, ug/l	<1	2.0	<1	<1	<1		
Dichlorobromomethane, ug/l	<1		<1	<1	<1		
Dichlorodifluoromethane, ug/l	<1	<1	<1	<1	<1		
l,l-Dichloroethane, ug/l	<1	<1	1.5	<1	<1		
1,2-Dichloroethane, ug/l	<1	<1	<1 <1	<1	<1		
1,1-Dichloroethylene, ug/l	15	8.8		<1	4.0		
1,2-Dichloropropane, ug/l	<1	<1	<1	<1	<1		
trans-1,3-Dichloropropylene, ug/		<1	<1	<1	<1		

Janette M. Davis Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.



P. O. Box 13548 • Savannah, GA 31416-0548 Whitfield Avenue at Shipyard Road (31406) (912) 354-7858

LOG NO: 87-4485

Received: 11 DEC 87

Mr. Bruce Peake The Torrington Company P. O. Box 1667, Friendship Road Sylvania, GA 30467

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , I	SAMPLE DESCRIPTION , LIQUID SAMPLES				
4485-1 4485-2 4485-3 4485-4 4485-5	W-15 Savannah Laboratorie: W-16 W-17 W-18 (12/10/87) DSA-2 (12/10/87)					
PARAMETER		4485-1	4485-2	4485-3	4485-4	4485-5
-hvl benz	ene, ug/l	<1	<1	<1	<1	<1
	omide, ug/l	<1	<1	<1	<1	<1
	loride, ug/l	<1	<1	<1	<1	<1
	Chloride, ug/l	<1	<1	<1	<1	<1
	etrachloroethane, ug/l	<1	<1	<1	<1	<1
	proethylene, ug/l	<1	<1	<1	<1	<1
Toluene,		<1	<1	<1	<1	<1
	-Dichloroethylene, ug/l	4.0	30	1.5	<1	4.3
	chloroethane, ug/l	35	46	<1	<1	1.0
	chloroethane, ug/l	<1	<1	<1	<1	<1
	ethylene, ug/l	<1	<1	<1	<1	8.1
	fluoromethane, ug/l	<1	<1	<1	<1	<1
	oride, ug/l	<1	<1	<1	<1	<1
	el (to top of casing), f	t 19.40	13.64	13.88		12.62
	in Field), units	5.10	4.66	4.94		4.55
Specific C	Conductance (Taken I), umhos/cm	40	86	56	57	134

Methods: EPA 40 CFR part 136

Appendix C-1 (cont.)

Appendix VIII Results

DATA:

W-3 July 1985 W-10 Sept 1986 W-12 Sept 1986 REPORT OF RESULTS

FROM APPENDIX VIII TESTING OF

GROUNDWATER SAMPLE FROM WELL 3

AT THE TORRINGTON COMPANY'S

SYLVANIA, GA. FACILITY

The following report presents the results for procedures 1-10 per the GEORGIA MODIFIED STANDARD METHOD.

Standards were not available for parameters for which results were reported as ND (not detected). Since these parameters were not identified by the NBS MS Library, it is assumed that they are not present. Detection limits and recovery rates will be reported as soon as standards are obtained for these parameters.

James W. Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.'S APPROACH TO APPENDIX VIII GROUNDWATER MONITORING

The following approach is based on directions provided in the Georgia Environmental Protection Division's outline of the Georgia Modified Standard Method procedure, EPA manual SW-846 (including the 1984 proposed additions), EPA manual 600/4-79-020, and discussions with laboratory personnel from the Georgia EPO Laboratory and EPA's Hazardous Waste Analytical Group. In those cases where specific EPA recommended procedures are not available, procedures were obtained from a literature search of "state of the art" analytical procedures.

Savannah Laboratories has encountered problems with matrix interferences, detection limits and quality control for several of the procedures. EPA's Hazardous Waste analytical group is aware of the limitations and problems of these methods and is working to improve the procedures. When these "improved" procedures become available, Savannah Laboratories and Environmental Services, Inc. will incorporate them into this approach.

Since several of our clients are being required by EPO to test for Appendix VIII by the Georgia Modified Standard Method, the outline provided by the Georgia Modified Standard Method (procedures 1-9) is used to discuss the approach.

<u>Procedure 1</u> - SW-846 Method 8240 will be used. Other compounds which may be detected by this method and identified by the NBS MS library will be reported.

Procedure 2 - A heated purge and trap modification of Method 8240 will be used.

<u>Procedure 3</u> - SW-846 Method 8270 will be used. All other compounds detected by this method and identifiable by the NBS MS library will be reported.

Procedure 4 - GC procedure 8080, 8150 and 8140 will be used for these parameters.

 $\frac{\text{Procedure 5}}{\text{Method 8330}}$. The remaining compounds will be analyzed by PPLC or Method 8270 (GC/MS).

Procedure 6 - The 22 metals listed will be analyzed by Methods 7751, 6010, and 7470.

Procedure 7 - Total and amenable cyanide will be determined by Method 9010 (Spectrophotometric Method).

Procedure 8 - Sulfide will be analyzed by Method 9030. Cleanup procedures will be used in an attempt to eliminate false positive results.

Procedure 9 - Formaldehyde will be tested by the FDA derivitization procedure (as used by the Athens EPA and the Georgia EPO Laboratory). Paraldehyde will be tested by GC-MS or FID.

Procedure 10

Appendix A - Method 8610 and 8630 will be used to determine the presence or absence of compounds listed in group 1. If a positive response is obtained no attempts will be made to analyze for individual compounds as procedures are not provided in the Georgia Modified Standard method or provided by EPA.

Our experience with these screening techniques has been discouraging. If a groundwater sample contains high levels of organics, color, etc., a positive response generally occurs. In other cases, a high background prohibits a UV scan.

No attempts will be made to analyze for the group 2 compounds unless requested by the client.

Appendix 8 - No attempts will be made to analyze for these unstable compounds.

General

- 1. Distilled water blanks will be run for each test.
- 2. Recovery data and detection limits will be reported for all parameters for which certified standards can be obtained. Normally, the detection limits will be similar to those obtained in priority pollutant analysis. For most compounds in procedures 1 3, detection limits should be 0.01 mg/liter or less. Because of potential interferences, detection limits will vary among samples.
- 3. It should be pointed out that many of the procedures have not been validated or approved by EPA, thus it may not be possible to obtain consistent results or high recovery rates in all samples. Likewise, the quality of the data may be affected by the fact that certified standards or EPA audit samples are not available for many of the parameters to be tested.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake

James W Andrews, Ph. 13

Janesse M. Davis

The Torrington Co. P.O. Box 1667

Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

IDENTIFICATION:

Water Sample Well 3

METHODS:

Appendix VIII - Procedure 1, method: GC-MS, purge and trap

(Method 8240-SW846)

mg/1

No.	Component	Sample	Blank	% Recovery on Spike *
7	Acrolein	<0.1	<0.1	76
9	Acrylonitrile	<0.1	<0.1	78
31	Benzene	<0.01	<0.01	62
47	bis(chloromethyl)ether	<0.01	<0.01	78
50	Methyl Bromide	<0.01	<0.01	73
59	Carbon disulfide	<0.01	<0.01	82
72	Chlorobenzene	<0.01	<0.01	72
75	1-Chloro2,3-epoxypropane	ND	ND	
76	2-Chloroethyl vinyl ether	<0.01	<0.01	42
77	Chloroform	<0.01	<0.01	59
78	Methyl Chloride	<0.01	<0.01	62
79	Chloromethyl methyl ether	<0.01	<0.01	70
91	Crotonaldehyde	NO	ND	
111	1,2-dibromo-3-chloropropane	ND	ND	
112	1,2-Dibromoethane	<0.01	<0.01	73
113	Dibromomethane	NO	ND	

^{*} of sample matrix

NO = Not detected

mq/1

No.	Component	Sample	Blank	% Recovery on Spike*
120	I,4-Dichloro-2-butene	ND	ND	
121	Dichlorodifluoromethane	<0.01	<0.01	
122	1,1-Dichloroethane	<0.01	<0.01	60
123	1,2-Dichloroethane	<0.01	<0.01	93
124	1,2-Trans-dichloroethylene	<0.01	<0.01	78
126	1,1-Dichloroethylene	<0.01	<0.01	106
127	Methylene Chloride	<0.01	0.01	120
133	1,2-Dichloropropane	<0.01	<0.01	72
132	1,3-Dichloropropane	<0.01	<0.01	67
135	2,3-Dichloropropene	<0.01	<0.01	93
136A	cis-1,3-Dichloropropene	<0.01	<0.01	94
1368	trans-1,3-Dichloropropene	<0.01	<0.01	72
139	Diethylarsine	ND	ND	
140	N,N-Diethylhydrazine	ND	ND	
155	1,1-Dimethylhydrazine	ND	ND	
156	1,2-Dimethylhydrazine	ND	ND	
206	Hydrogen sulfide	<0.1	<0.1	47
209	Iodomethane	<0.05	<0.05	70
226	Methacrylonitrile	ND	ND	
227	Methanethiol	ND	NO	
235	Methyl Ethyl Ketone	<0.01	<0.01	86

^{*} of sample matrix

ND = Not detected

(Prodecure 1 continued)

mg/1

No. Component Sample Blank 285 Pentachloroethane NO NO 308 Pyridine <0.1 <0.1 325 Tetrachloroethane <0.01 <0.01 326 1,1,2-Tetrachloroethane <0.01 <0.01 327 1,1,2,2-Tetrachloroethane <0.01 <0.01 328 Tetrachloroethene <0.01 <0.01 329 Carbon Tetrachloride <0.01 <0.01 347 Toluene 0.05 <0.01	
308 Pyridine <0.1 <0.1 325 Tetrachloroethane <0.01 <0.01 326 1,1,1,2-Tetrachloroethane <0.01 <0.01 327 1,1,2,2-Tetrachloroethane <0.01 <0.01 328 Tetrachloroethene <0.01 <0.01 329 Carbon Tetrachloride <0.01 <0.01	% Recovery on Spike **
325 Tetrachloroethane <0.01	
326 1,1,1,2-Tetrachloroethane <0.01	49
327 1,1,2,2-Tetrachloroethane <0.01	56
328 Tetrachloroethene <0.01	50
329 Carbon Tetrachloride <0.01 <0.01	67
	78
347 Toluene 0.05 // <0.01	72
	83
352 Bromoform <0.01 <0.01	72
354 1,1,1 -Trichloroethane <0.01 <0.01	56
355 1,1,2-Trichloroethane <0.01 <0.01	73
356 TrichToroethylene <0.01 <0.01	63
357 Trichloromethanethiol NO NO	
358 Trichloroflouromethane <0.01 <0.01	70
363 Trichloropropane ND ND	
364 1,2,3-Trichloropropane ND ND	
373 Vinyl chloride <0.01 <0.01	72
191 Halomethane, N.O.S.* <0.01 <0.01 Dibromochloromethane <0.01 <0.01 Dichlorobromomethane <0.01 <0.01	87 93

ND = Not Detected

^{*}Compounds in this class are included in the specific procedures. ** of sample matrix

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake The Torrington Co. P.O. Box 1667 Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

Janette M. Davis

IDENTIFICATION: Water Sample Well 3

METHODS:

Appendix VIII - Procedure 2, GC-MS - heated purge & trap (Adapted Method

8240-SW-846)

		mg	/1	W . G 0 1 2 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
No.	Component	Sample	Blank	% Recovery, on Spike
			*	
8	Acrylamide	<0.2	<0.2	54
12	Allyl alcohol	<0.06	<0.06	68
61	Chloral	ND	ND	
69	Chloroacetaldehyde	ND	ND	- 3
83	3-Chloropropionitrile	<0.5	<0.5	49
93	Cyanogen	ND	ND	G.
134	Dichloropropanol	<0.5	<0.5	31
155	1,1-Dimethylhydrazine	<0.4	<0.4	25
156	1,2-Dimethylhydrazine	<0.4	<0.4	27
168	1,4-Dioxane	<0.03	<0.03	87
176	Ethyl carbamate	ND	ND	
177	Ethyl cyanide	ND	ND	
180	Ethylene oxide	ND	ND	
182	Ethyl methacrylate	<0.5	<0.5	36
187	Fluoroacetic acid	<0.05	<0.05	31
190	Glycidylaldehyde	ND	ND	
203	Hydrazine	<0.1	<0.1	62
212	Isabutyl Alcohal	<0.02	<0.02	79
236	Methyl hydrazine	<0.1	<0.1	43
305	n-Propylamine	<0.1	<0.1	37
307	2-Propyn-1-01	ND	ND	

ND = NOt Detected

* of sample matrix

James W. Andrews, 1th D. President Jameste M. Davis (More & Andrews, 1 P.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake
The Torrington Co.
P.O. Box 1667
Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

IDENTIFICATION:

Water Sample Well 3

METHODS:

Appendix VIII - Procedure 3, GC-MS,

(Method 8027-SW846)

mq/1

No.	Component	Sample	81ank	<pre>% Recovery on Spike *</pre>
1	Acetonitrile	<0.01	<0.01	50
2	Acetophenone	<0.05	<0.05	46
3	Warfarin	<0.02	<0.02	37
4	2-Acetylaminofluorene	<0.01	<0.01	42
14	4-Aminobiphenyl	<0.01	<0.01	38
16	5-(Aminomethyl)-3-isoxazolol	ND	NO	
17	Amitrole	<0.01	<0.01	48
18	Aniline	<0.01	<0.01	37
20	Aramite	ND	NO	
25	Auramine	NO	ND	
29	Benz(c)acridine	ND	NO	
30	Benz(a)anthracene	<0.01	<0.01	49
33	Dichloromethyl Benzene	<0.01	<0.01	37
134	Benzenethiol	ND	NO	
136	Benzo(b)fluoranthene	<0.05	<0.05	44
137	Senzo(j)fluoranthene	ND	NO	

of sample matrix

NO = Not detected

mg/1

No.	Component	Sample	Blank	% Recovery on Spike *
38	Benzo(a)pyrene	<0.01	<0.01	44
39	p-Benzoquinone	ND	ND	
41	Benzyl chloride	<0.01	<0.01	69
43	bis(2-chloroethoxy)methane	<0.01	<0.01	71
44	bis(2-chloroethyl)ether	<0.01	<0.01	87
45	Chlornaphazine	ND	NO	
46	bis(2-chloroisopropyl)ether	<0.01	<0.01	73
48	bis(2-ethylhexyl)phthalate	<0.01	<0.01	67
51	4-Bromophynyl phenyl ether	<0.01	<0.01	79
54	Butyl benzyl phthalate	<0.01	<0.01	36
55	2-sec-Buty1-4,6-dinitrophenol	ND	ND	
67	1-chloronaphthalene	<0.01	<0.01	60
70	Chloroalkyl ethers	ND	ND	
71	p-Chloroaniline	<0.01	<0.01	51
74	p-Chloro-m-cresol	<0.01	<0.01	72
80	2-Chloronaphthalene	<0.01	<0.01	72
81	2-Chlorophenol	<0.01	<0.01	74
85	Chrysene	<0.01	<0.01	48
90A	o-Cresol	<0.01	<0.01	52
908	m+p-Creso1	<0.01	<0.01	72
97	2-Cyclohexyl-4,6-dinitrophenol	מא	ND	

ND = Not detected

^{*} of sample matrix

mg/1

No.	Component	Sample	81 ank	% Recovery on Spike *
104	Dibenz(a,h)acridine	ND	ND	
105	Dibenz(a,j)acridine	ND	ND	
106	Dibenz(a,h)anthracene	<0.025	<0.025	63
107	7H-Dibenzo(c,g)carbazole	ND	ND	
108	Dibenzo(a,e)pyrene	<0.05	<0.05	42
171	Di-n-propylnitrosamine	. ND	ND	
179	Ethyleneimine	ND	NO	
183	Ethyl methanesulfonate	<0.01	<0.01	40
184	Fluoranthene	<0.01	<0.01	58
194	Hexachlorobenzene	<0.01	<0.01	60
195	Hexachlorobutadiene	<0.01	<0.01	32
197	Hexachlorocyclopentadiene	<0.05	<0.05	70
198	Hexachloroethane	ND	ND	
200	Hexachlorophene	NO	NO	
201	Hexachloropropene	ND	ND	
208	<pre>Indeno(1,2,3-cd)pyrene</pre>	<0.025	<0.025	67
213	Isosafrole	ND	ND	
222	Malononitrile	ND	ND	
223	Melphalan	ND	NO	
228	Methapyrilene	ND	ND	
229	Methomyl	ND	ND	

ND = Not detected

^{*} of sample matrix

		т	/1	* 0	
No.	Component.	Sample	Blank	<pre>% Recovery on Spike *</pre>	
231	2-Methylaziridine	NO	ND		
232	3-Methylcholanthrene	ND	NO		
234	4,4'-Methylenebis(2-chloroaniline)	ND	ND		
237	2-Methyl actonitrile	ND	ND		
238	Methyl methacrylate	<0.01	<0.01	37	
239	Methyl methanesulfonate	ND	ND		
243	Methylthiouracil	<0.04	<0.04	72	
245	Naphthalene	<0.01	<0.01	65	
246	1,4-Naphthoquinone	ND	ND		
247	1-Naphthylamine	ND	ND		
248	2-Naphthylamine	ND	ND .		
255	p-Nitroaniline	<0.01	<0.01	70	
256	Nitrobenzene	<0.01	<0.01	47	
261	4-Nitrophenol	<0.01	<0.01	14	
264	N-Nitrosodi-n-butylamine	<0.01	<0.01	47	
265	N-Nitrosodiethanolamine	ND	ND		
266	N-Nitrosodiethylamine	<0.02	<0.02	47	
267	N-Nitrosodimethylamine	<0.02	<0.02	67	
269	N-Nitrosomethylethylamine	<0.01	<0.01	47	
271	N-Nitroso-N-methylurethane	ND	ND		
272	N-Nitrosomethylvinylamine	ND	ND		

ND = Not detected

^{*} of sample matrix

mg/1

No.	Component	Sample	81ank	% Recovery on Spike*
273	N-Nitrosomrpholine	ND	ND	
274	N-Nitrosonornicotine	ND	ND	
275	N-Nitrosopiperidine	ND	ND	
276	Nitrosophyrrolidine	ND	ND	q
278	5-Nitro-o-toluidine	ND	ND	
78A	Phenanthrene	<0.01	<0.01	60
788	Carbazole	<0.01	<0.01	61
64	Chlorinated Benzenes, N.O.S.*	ND	ND	
65	Chlorinated Ethane, N.O.S.*	ND	ND	
66	Chlorinated Fluorocarbons, N.O.S.*	ND	ND	
67	Chlorinated Napthalene, N.O.S.*	ND	ND	
68	Chlorinated Phenol, N.O.S.*	ND	ND	
70	Chloroalkyl Ethers, N.O.S.*	ND	ND	
118	Dichlorobenzene, N.O.S.*	ND	ND	
125	Dichloroethylene, N.O.S.*	ND	ND	
132	Dichloropropane, N.O.S.*	מא	ND	
134	Dichloropropanol, N.O.S.*	ND	ND	
162	Dinitrobenzene, N.O.S.*	ND	ND	
363	Trichloropropane, N.O.S.*	מא	ND	
109	Dibenzo(a,h)pyrene	ND	ND	
110	Dibenzo(a,j)pyrane	ND	ND	

^{*}Compounds in this class are included in the specific procedures.
No additional halomethanes were detected

ND = not detected.

^{**} of sample matrix

mq/1

No.	Component	Sample	Blank	% Recovery on Spike *
114	Di-n-butyl phthalate	<0.01	<0.01	54
115	1,2-Dichlorobenzene	<0.01	<0.01	47
116	1,3-Dichlorobenzene	<0.01	<0.01	60
117	1,4-Dichlorobenzene	<0.01	<0.01	72
128	2,4-Dichlorophenol	<0.01	<0.01	74
129	2,6-Dichlorophenol	<0.01	<0.01	70
131	Dichlorophenylarsine	ND	ND	
143	Diethyl phthalate	<0.01	<0.01	57
146	Dihydrosafrole	ND	ND	
151	p-Dimethylaminoazobenzene	ND	ND	
152	7,12-Dimethylbenz(a)anthracene	ND	ND.	
157	Thiofanox	ND	ND	
158	alpha-alpha-Dimethylphenethylamine	מא	ND	
159	2,4-Dimethylphenol	<0.02	<0.02	27
160	Dimethyl phthalate	<0.01	<0.01	52
162	m-Dinitrobenzene	ND	ND	
163	4,6-Dinitro-o-cresol	<0.02	<0.02	73
164	2,4-Dinitrophenol	<0.02	<0.02	11.
165	2,4-Dinitrotoluene	<0.02	<0.02	54
166	2,6-Dinitrotoluene	<0.1	<0.1	72
167	Di-n-octyl phthalate	<0.01	<0.01	62
		100 miles		

ND= Not Detected

^{*} of sample matrix

mg/1

No.	Component	Sample	81ank	% Recovery on Spike *
169	Diphenylamine	<0.01	<0.01	42
170	1,2-Diphenylhydrazine	<0.01	<0.01	49
284	Pentachlorobenzene	<0.01	<0.01	63
286	Pentachloronitrobenzene	<0.05	<0.05	74
287	Pentachlorophenol	<0.01	<0.01	70
288	Phenacetin	ND	ND	
289	Pheno1	<0.01	<0.01	50
290	Am-phenylenediamine	<0.02	<0.02	72
290	Bo-phenylenediamine	ND	ND	
290	Cp-phenylenediamine	ND	ND	
297	Phthalic acid esters	<0.01	<0.01	73
299	2-Picoline	סא	ND	
303	Pronamide	ND	ND	
309	Reserpine	ND	ND	
310	Resorcinol	ND	ND	
312	Safrole	ND	ND	
323	1,2,4,5-Tetrachlorobenzene	<0.01	<0.01	47
324	2,3,7,8-TCDD	<0.01	<0.01	52
330	2,3,4,6-Tetrachlorophenol	<0.01	<0.01	110
346	Thiuram	ND	ND	
348	Toluenediamine	ND	ND	

ND = Not Detected

^{*} of sample matrix

mq/1

No.	Component	Sample	Blank	*, Recovery on Spike *
349	O-Toluidine hydrochloride	ND	ND	
353	1,2,4-Trichlorobenzene	<0.01	<0.01	87
359	2,4,5-Trichlorophenol	<0.01	<0.01	80
360	2,4,6-Trichlorophenol	<0.01	<0.01	73
365	0,0,0-Triethyl phosphorothicate	ND	ND	
366	sym-Trinitrobenzene	ND	ND	
368	Tris(2,3-dibromopropyl) phosphate	ND	ND	

ND= Not detected.

^{*} of sample matrix

James W Andrews, Ph. D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake The Torrington Co.

P.O. Box 1667 Sylvania, GA 30467 REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

IDENTIFICATION:

Water Sample Well 3

METHODS:

Charle Champs, 1.P.

Appendix VIII - Procedure 4, GC-EC (Method 8080-SW846)

No.	Component	Sample mg	/1 Blank	% Recovery on Spike *
11	Aldrin	<0.00001	<0.00001	64
63	Chlordane	<0.00005	<0.00005	63
73	Chlorobenzilate	<0.0001	<0.0001	72
100	4,4'-000	<0.00002	<0.00002	71
101	4,4'-DDE	<0.00002	<0.00002	61
102	4,4'-00T	<0.00008	<0.00008	67
137	Dieldrin	<0.00002	<0.00002	68
141	Carbophenothion	<0.0001	<0.0001	72
144	Thionazin	<0.0001	<0.0001	60
174A	Endosulfan I	<0.00005	<0.00005	64
1748	Endosulfan II	<0.00005	<0.00005	73
175	Endrin	<0.00003	<0.00003	76
192	Heptachlor	<0.00002	<0.00002	82
193	Heptachlor expoxide	<0.00002	<0.00002	100
196AA	Alpha-BHC	<0.000008	<0.000008	72
1938	Beta-BHC	<0.00002	<0.00002	92
196C	Gamma-BHC	<0.000008	<0.000008	67
196	Delta-BHC	<0.0001	<0.0001	78
230	Methoxychlor	<0.0003	<0.0003	68
296	Famphur	<0.0001	<0.0001	70
333	Tetraethylpyrophosphate	<0.0001	<0.0001	52
351	Toxaphene	<0.001	<0.001	72
300	PCB	<0.0002	<0.0002	84
214	Kepone	<0.0002	<0.0002	73

^{*} on sample matrix

Janette M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bruce Peake The Torrington Co. P.O. Box 1667 Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lal

IDENTIFICATION: Water Sample Well 3

METHODS:

Appendix VIII - Procedure 4, (Methods 8150 and 8140 -SW846)

		mg	/1	
No.	Component	Samp le	81ank	% Recovery on Spike*
130	2,40	<0.001	<0.001	67
361	2,4,5-T	<0.0001	<0.0001	73
362	2,4,5-TP (Silvex)	<0.0001	<0.0001	82
149	dimethoate	<0.0005	<0.0005	91
172	disulfoton	<0.0005	<0.0005	94
242	Methyl Parathion	<0.0005	<0.0005	97
283	Parathion	<0.0005	<0.0005	90

on sample matrix

James W. Andrews, Ph.D. Areas. Janette M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake
The Torrington Co.
P.O. Box 1667
Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lat

INDENTIFICATION: Water Sample Well 3

METHODS: Appendix VIII - Procedure 5, HPLC-U.V. (Method 8330-SW-846)

			mo	1/1	% Recovery	
	No.	Component	Sample	Blank	on Spike **	
	5	1-Acety1-2-thiourea	<0.01	<0.01	78	
	35	Benzidine *	<0.01	<0.01	76	
	82	1-(o-Chloropheny1)thiourea	<0.03	<0.03	83	
	119	3,3' -Dichlorobenzidine *	ND	ND		
	14	Diethylstilbesterol	<0.01	<0.01	93	
	150	3,3' -Dimethoxybenzidine *	ND	מא		
	153	3,3' -Dimethylbenzidine *	ND	ND		
	181	Ethylenethiourea	<0.02	<0.02	68	
	221	Maleic hydrazide *	ND	ND		
	249	1-Naphthy1-2-thiourea	<0.02	<0.02	72	
	253	Nicotinic acid *	ND	ND		
7	260	Nitroglycerin *	ND	ND		
	268	N-Nitroso-N-ethylurea	<0.05	<0.05	51	
	270	N-Nitroso-N-methylurea	<0.05	<0.05	62	
	292	N-Phenylthiourea	<0.02	<0.02	90	
	345	Thiourea	<0.01	<0.01	86	

^{*} Those compounds also were determined by Method 8270 (Procedure 3).

ND = Not Detected

^{**} of Sample matrix.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

James W. Andrews, Ph.D.
Proving
Janette M. Davis
"of Chemist, 17"

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake The Torrington Co.

P.O. Box 1667 Sylvania, GA 30467 REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

INDENTIFICATION:

Water Sample Well 3

METHODS: Appendix VIII, Procedure 6, (Methods - 7551 6010* and 7470 - SW-846)

No. 13 19 21 27 , 56 57 84		mg/		
No.	Component	Sample	Blank	% Recovery on Spike
13	Aluminum	3.1	<0.05	97
19	Antimony	<0.01	<0.01	98
21	Arsenic	<0.01	<0.01	92
27	Barium	0.27	<0.05	102
1	Beryllium	<0.01	<0.01	100
56	Cadmium	<0.002	<0.002	93
57	Calcium	16	0.7	97
84	Chromium	<0.01	<0.01	90
88	Copper	0.05	<0.05	93
210	Iron	2.7	<0.05	96
216	Lead	<0.01	<0.01	88
26	Mercury	<0.0002	<0.0002	93
250	Nickel	<0.01	<0.01	104
280	Osmium	<0.02	<0.02	94
310	Potassium	1.9	0.14	98
314	Selenium	<0.003	<0.003	105
317	Silver	<0.002	<0.002	102
319	Sodium	130	0.21	103
321	Strontium	0.17	<0.05	99
335	Thallium	<0.05	<0.05	93
72	Vanadium	<0.01	<0.05	97
374	Zinc	<0.05	<0.05	98

^{*}In some cases AA-furnace techniques were used in addition to method 6010 in order to obtain lower detection limits and to avoid interferences.

^{**}of sample matrix

Janette M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31416-0842 (912) 354-7858



REPORT OF ANALYSIS

TO:

Mr. Bruce Peake The Torrington Co. P.O. Box 1667 Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah Lab

IDENTIFICATION: Water sample Well 3

METHODS:

Appendix VIII - Procedure 7 (Method 9011-SW846)

		mg/	1	% Recovery
No.	Component	Sample	Blank	on Spike*
92	Cyanide, Total	<0.01	<0.01	97
92	Cyanide, Amenable	<0.01	<0.01	

*of sample matrix

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

James W. Andrews, Ph.D. Janette M. Davis

P.O. Box 13842 . Savannah, Ga. 31416-0842 (912) 354-7858



REPORT OF ANALYSIS

TO:

Mr. Bruce Peake The Torrington Co. P.O. Box 1667 Sylvania, GA 30467 REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah La

IDENTIFICATION: Water sample Well 3

METHODS:

Appendix VIII - Procedure 8 (Method 9031-SW846)

600	28-01-01-01	mg/1		% Recovery
No.	Component	Sample	Blank	on Spike*
	Sulfides	0.9	<0.1	93

*of sample matrix

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

Janette M. Davis Chart Chemist. 20

P.O. Box 13842 * Savannah, Ga. 31416-0842 (912) 354-7858



REPORT OF ANALYSIS

TO: Mr. Bruce Peake

The Torrington Co. P.O. Box 1667

Sylvania, GA 30467

REPORT NO.

1116

DATE RECEIVED

7/24/85

SAMPLED BY T. Nail, Savannah

Laboratories

IDENTIFICATION: Water Sample Well 3

METHODS: Appendix VIII - Procedure 9. Adapted Food and Drug Administration Method.

		mg/	1	% Recovery
No.	Component	Sample	Blank	on Spike *
188	Formaldehyde	<0:1	<0.1	92
282	Paraldehyde	<0.1	<0.1	87

*of sample matrix

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

James W. Andrews, Ph.D. Proving Janette M. Davis

P.O. Box 13842 * Savannah, Ga. 31416-0842 (912) 354-7858



REPORT OF ANALYSIS

TO:

Mr. Bruce Peake The Torrington Co. P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 1116

DATE RECEIVED 7/24/85

SAMPLED BY T. Nail, Savannah Lab

IDENTIFICATION: Water Sample Well 3

METHODS: Procedure 10 (screening procedures), SW-846, methods 8610 and 8630

Appendix A

Method 8610 - Total Aromatics by UV Absorption:

Both the polar and nonpolar extracts passed this test.

Method 8630 - Derivatization Procedure followed by UV Absorption:

This procedure had to be modified in order to reduce the high blank absorbance (due to benzl chloride). EPA RCRA analytical personnel are aware of this problem.

The methylene chloride extract of the derivatives passed this test.

Appendix B

Analyses for these parameters were not required.

SAMPLE MONITORING CHAIN OF CUSTODY RECORD

Company Name: Tor	ringlon Co	mpany				
Location: 54/v	rania					
Collector's Name:	Tom Nail :	Steve Cash	Comp	any: <u>Sava</u>	nnah Labs	
Date Sampled: 7	24/85					
Field Information: Terlun Bailor 1454		tle wist	er in	will. W	a: led not	cecherse
NOTICE: To avoid of to your sa containers in this si	cross-contam ampling cont s prior to f hipment.	ainers, plead illing any ad	se fill and dditional	y purple co color-coded	lor-coded (unpreserved)
Sample Identification	12 /2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3, 3,	/ /	1/1/2	Savannah Lab ID#
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Sheila Bress	at_	Lavan	nah	Labor	July	24,1985

	Ivania		_	V		_	_				
te to Ship:	7/24/8	35 Ca	rrier_	T. No	ul	No.	of Co	olers:	1_F	Prepared By:	
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		12 8	1/3	100	1.0	1:0	/	/	/	/ /	
	/	3 13	201	00.	188	3		/	/	/ /	
	/	3 ×	8	5/	18	8	/	/	/		
	100	3	1 / 04 0	(2)	/2	6/	/	/			
	130	X	1/2	15	13				_	_/	
- 1	1 3		1	1	1						
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33			1				-		-		ΕX
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LEASE NOTE:	bauac +	ha num	nor of	Samoli	as or	each c	0101 0	LYVE	MILLICIA	Have been	
	collect	ed and	shipp	ed to	us. I	ne num	per, c	hove.	The co	olor codes	
			th con	cific	nrocar	vative	SILST	ed belo) . WC	blease namul	e
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	with th	e samp	les.	рр. ор.		31.2					
ther Informa	tion: S	hip co	olers	back to	Savar	nnah L	abs by	UPS or	Bus -	Shipyard Ro	oad at
Title Till Or ma	2.00					54-785					

Color Codes

Dot Color on Bottle

Green Purple Red Tan Yellow Blue

Type of Preservative Added

sulfuric acid
no preservative
nitric acid
zinc acetate
sodium thiosulfate
sodium hydroxide

ucility Name: RMAL ample Description: Monitor Well E-1 (AU-10) umple ID #: 61954-09

a Matrix Spike? Yes No X This sample received

Analyst: Aldan Ridley Date Sample Collected: 9/4/86 Date Tested: 9/16/86

1		Cone.	Instru.	Method	Burr.	Blank	Spike	Matrix	Matrix	Matrix 96
	'olatile Organica (P. & T.)	1/8n	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup.
(Bromomethane) ethane adlene hloropropane ne n	veetontrile	QN	10	4						
ethane (Bromomethane) ethane adiene hloropropane ne ne ne nethane ne n	veelone	ND	10	10						
ethane (Bromomethane) ethane adlene hloropropane ne n	kenzene	ND	0	O						
(Bromomethane) ethane syl ether hloropropane ne ne nethane ne n	tromodichloromethane	ND	9	LO .						
ethane nyl ether adlene hloropropane ne ne nethane ne n	dethyl Bromide (Bromomethane)	ND	10	10						
ethane nyl ether hloropropane hloropropane nethane ne ne ne ne ne ne ne ne	arton disuifide	ND	LC3	S.						
ethane nyl ether hloropropane ne nethane nethane ne ne ne ne ne	Morobenzene	ND	ra	LO .						
ayl ether adlene hloropropane ne utene nethane ne ne ne	Thorodbromomethane	ND	S	2						
nyl ether adlene hloropropane ne utene nethane ne ne ne	hloroethane	ND	10	10						
nyl ether adlene hloropropane ne utene nethane ne ne ne lene	Thoromethane	QN	10	10						
adiene hloropropane ne utene ne ne ne oethylene lene	: Chloroethyl vinyl ether	ND	10	10						
adlene hloropropane ne utene ne ne ne oethylene lene	'hloroform	ND	22	G						
adiene hloropropane ne utene ne thane ne ne oethylene lene	Chloropropene	ND	ശ	1						
e e	: Chloro-1, 3-butadiene	ND	ß	•						
	, 2 Dibromo-3-chloropropane	ND	co	λ						
	,2 Dibromoethane	ND	9	1						
	libromomethane	ND	2	ı						
	,4 Dichloro-2-butene	ND	s)	i.						
	ichlorodifluoromethane	ND	2	1						
	, I Dichloroethane	ON	20	ß						
	, 2-Dichloroethane	ND	9	S						
	runs-1,2-Dichloroethylene	ON	2	S						
	,1 Dichloroethylene	18	9	9						
	,4-Dloxane	QN	10	P						

J = Tentative value reported below detection limit. II) = Not detected.

B = Compound was found in the blank.

* 6.

ncility Name: RMAL umple Description: Monitor Well K-1 ample ID #: 61954-09

This sample received a Matrix Spike? Yes No X

Analyst: Aidan Ridley Date Sample Collected: 9/4/86 Date Teated: 9/16/86

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
olatile Organics (P. & T.)	ng/L	L.D.I.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup.
lethylene Chloride (Dichloromethane)	183	S	S						
2-Dichloropropane	ND	2	2						
Is-1.3-Dichloropropene	ND	22	2						
ans-1.3 Dichloropropene	ON	2	ß						
thyl benzene	ON	S	S						
butanone (MEK)	11B	10	10						
domethane	ND	co	1						
tethaerylonitrile	ND	2	1						
Methyl-2-pentanone	ND	10	10						
entachloroethane*	ì	1	4						
lyrene	QN	co	S						
, I, 1, 2 Tetrachloroethane	ND	co.	ą						
.1.2.2-Tetrachloroethane	QN	LO.	3						
'etrachloroethene	QN	מו	2						
Sarbon Tetrachloride	ON	2	2						
oluene	QN	2	2						
romoform (Tribromomethane)	ND	co	S						
,1,2-Trichloroethane	ND	co	S						
.1.1-Trichloroethane	2.3	2	S						
richloroethylene (Trichloroethene)	ND	S	S						
richlorofluoromethane	QN	2	į						
.2.3-Trichloropropane	ON	S	1						
/inyl acetate	ND	10	10						
/inyl chloride	QN	s	S						
(viene (total)	ND	42	va						
Hylene Glycol monoethyl ether	GN	20	L.I.						
Nitropropane	ND	10	1						

¹D = Not detected. *Not measurable by this method; measurable as semivolatile. = Tentative value reported below detection limit. B = Compound was found in the blank.

Analyst: Aldan Ridley Date Sample Collected: 9/4/86 Date Tested: 9/16/86

Georgia Environm. .al Protection Division

	This sample received	a Matrix Spike? Yes No X	
Facility Name: RMAL	Sample Description: Monitor Well K-1	Sample ID #: 61954-09	

Volatile Organics (P. & T.)	Cone. ug/L	Instru. L.D.L.	Method L.D.L.	8urr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
Additional Compound									
Chlorobenzene	ND	9	g						
Surrogates							÷		
Toluene-dg	51	ì	J	103					
4 Dromofluorobenzene	51	1	1	102					
1,2-Dichloroethane-d4	20	Ĩ		101					
Muirix Spikes									
1,1-Dichloroethene	52	ŀ	A.				20	104%	
Trichloroethene	48)	i				20	9696	
Chlorobenzene	53	1	į				20	106%	
Toluene	51	1	4				20	102%	
Nermene	48	1	1				20	9696	

	÷	
	K-1	
	Well	
	Monitor	6
RMAI	lion: 1	1954-09
Name: RMAI	Descrip	D #: 6
neility	ample 1	umple

	~
	No
eived	Yes
e rec	ike?
sampl	Irix S
, li	B Ma

Analystr Aldan Ridley Date Sample Collected: 9/4/86 Date Tested: 9/9/86

6	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
olaille Organics (Heated P. & T.)	ng/I.	I.D.L.	11.11.11.	R	phike	Digital 20	oplike	Dille To	oblike Dub.
coolein	ND	90	· Pi	200	103%				
ecylonitelle	ND	20	10	200	104%				
IIVI alcohol	ND	20	ŧ	200	9666				
enzylalcohol*	1	1.	1	1	1				
Chloropropionitrile*	È	1	j.	P.	ï				
4-Dioxane	ND	10	4	200	85%				
Thylene oxide	NR	1	Ä	ij.	i				
thylmethacrylate	ON	10	41	200	125%				
sobutyl Alcohol	ND	100	1	200	100%				
Propyn-1-ol	NR	i	t	200	960				
Aalononiirile*	P	9	1.	Ţ	į				
Methyl ethyl ketone	158	10	j.	200	105%				
vridine	483	10	1	200	87%				
richloromethanethiol	W	j	j.	1	í				
inrogates									
Poluene-D.	55	ıķ.	ř	110	4				
Bromofluorobenzene	42	i	ï	84	Ţ				
1,2-Dichloroethane-D4	39	ì	ŗ	78					

4D = Not detected. NM = Not measurable. *Not measurable by this method; measurable as semivolatile. 4R = Not recovered in spike, detection limit cannot be established. B = Compound was found in the blank.

	K-1	
	. Well	
7	Monitor	60
RMA	ion:	1954-0
Name:	Descript	D 11: 6
Sucility	Sample	Sumple

No X This sample received a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Sample Collected: 9/4/86 Date Tested: 9/23/86

	Cone.	Instru.	Method	Burr.	Blank	Bolke	Matrix	Matrix	Matrix %
kemi-Volutilles (Extractables)	ng/I.	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Splke Dup.
lase/Neutrals									
Acenaphthene	ON	10	10	,					
Acenaphthalene	ND	10	10						
Acetonitrile**	U.	ı.							
Acetophenone	ND	10	1						
2 Acctylaminofluorene	ND	20	1						
1 - Aminobiphenyl	ND	10	•						
Anthracene	ND	10	10						
Aniline	QN	10	10						
Aramite	QN	20	ì						
Benz(a)anthracene	ND	10	10						
Henzenethiol	N.		1						
Henzidine	QN	80	80	3					
Henzo(k)fluoranthene	QN	10	10						
llenzo(b)flyoranthene	QN	01	01						
Henzo(g,h,l)perylene	ND ND	10	10						
Henzo(a)pyrene	ND	10	10						
a-Benzoquinone	ON	100							
liis(2-Chloroethoxy)methane	ND	10	10						
His(2 Chloroethyl)ether	GN	10	10						
His(2 Chlorolsopropyl)ether	QN	10	10						
llis(2-ethylhexyl)phthalate	118	10	10						
4-liromophenyl phenyl ether	QN	00	000						
2 sec Butyl 4, 6-dintrophenol	QN	200	2						
p Chloroaniline	ND	10	10						

NR = Not recovered in spike, detection limit cannot be established. ND = Not detected.

al Protection Division

Georgia Environm

Facility Name: RMAL. Sample Description: Monitor Well K-1 Sample ID #: 61954-09

No X This sample received a Matrix Spike? Yea

Analyst: Kimberly Zilis Date Sample Collected: 9/4/86 Date Tested: 9/23/86

	Conc.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
themi-Volatiles (Extractables)	ng/I.	l.D.L.	L.D.L.	æ	Spike	Blank %	Spike	Spike %	Spike Dup.
lluse/Neutrals (Cont'd)			* '						
Chlorobenzene*	1	1	į				30		
o-Dichlorobenzene	ND	10	10						
n-Dichlorobenzene	ND	10	10						
u-Dichlorobenzene	ND	10	10						
4 Cillorophenyl phenyl ether	ND	10	10						
2-Chloronaphthalene	ND	10	10						
Chrysene	QN	10	10						
Dibenz(a,h)anthracene	ND	10	10						
Dibenzofuran	QN	10	10						
Dibenzo(a,e)pyrene	N	ì	i						
Dibenzo(a.h)ovrene	N	í	1						
Dibenzo(a,i)pyrene	N	i	1						
Di-n-butyl phthalate	CIN	10							
3, J'-Dichlorobenzidine	ON	20	20						
3,3'-Dimethoxybenzidine	ND	90	þ						
3.3-Dimethylbenzidine	ND	80	ŧ						
Diethyl phthalate	ND	10	10						
n Dimethylaminoazobenzene	ON	10	1						
7,12-Dimethylbenz(a)anthracene	G.	10	Ė						
a,a - Dimethylphenethylamine	ND	10	i.						
Dimethyl phthalate	UN	10	10		-				
in-Dinitrobenzene	Q.	10	1 4						
2,4-Dinitrotoluene	22	10	10						
Z, a-Dinitrolouene	O C	201	01						
*Not measurable by this method; measurable as volatile,		ND = Not de	Not detected.	NM = No	NM = Not measurable.	ble.			

al Laboratory

Georgia Environmandal Protection Division

Sample Description: Monitor Well K-1 Sample ID #: 61954-09 Facility Name: RMAL

× No a Matrix Spike? Yes This sample received

Analyst: Kimberly Zili: Date Sample Collected: 9/4/80 Date Tested: 9/23/80

	Cone.	Instru.	Method	Surr.	Blank	Solke	Matrix	Matrix	Mairia 96
Scini Volatiles (Extractables)	.I/Sn	1.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Base/Neutrals (Cont'd)									
Diobenylamine	GN	10	10				2		
1.2 Diohenylhydrazine ^a	NDN	10	10						
Di-n-propylnitrosamine	ND	10	10						
Fluoranthene	ND	10	10						
Pluorene	QN	10	10						
Hexachlorobenzene	ND	10	10						
Hexachlorobutadiene	ON	10	10						
Hexachlorocyclopentadiene	GN	10	10						
Hexachloroethane	GN	10	10						
Hexachlorophene	NR	ı	i						
Hexachloropropene	ND	20	ij						
Indeno(1,2,3-ed)pyrene	ND	10	10						
Isophorone	CIN	10	10						
Isosufrole	QN	20	ľ						
Melphalan	NW	1	è						
Methapyrilene	ND	10)						
3 Methylcholanthrene	CN	20	1						
4.4-Methylenebis(2-Chloroanaline)	ND	20	i						
Methyl methacrylate	ND	10	ť						
Methyl methanesulfonate	ND	10	1						
2-Methylnaphthalene	ND	10	10						
Nuphthalene	ON	10	10						
1,4-Naphthoquinone	QN	10	t						
1 Naphthylamine	SS	0 0	•						
z Naphthylamine	N	0.7							

As azobenzene. NII = Not recovered in spike, detection limit cannot be established. As azoba NII = Not on Appendix IX; compound has not been tested. ND = Not detected. NM = Not measurable

Georgia Environm. .i Protection Division

Description: Monitor Well K-1	onitor	11 11 11 10 11 11 11 11 11 11 11
	٠.	Description

	-
	No
	-1
eived	Yes
rec	ke?
nple	Spik
Sam	Irix
his	Ma
=	4

Analyst: Kimberly Zili: Date Sample Collected: 9/4/86 Date Tested: 9/23/86

Matrix % Spike Dup.

Matrix Spike %

Matrix Spike

Semi-Volatiles (Extractables)	Cone.	Instru.	Method L.D.L.	Surr.	Blank	Spike Blank %
Base/Neutrals (Cont'd)						
2 Nilcoanillne	ON	20	20			
2 Nitrogeniline	QN	20	20			
o-Nitconniline	ND	20	20			
Nitrohenzene	ND	10	10			
N Nitrosodi-n-butylamine	ND	10	i			
N Nitrosodiethylamine	ND	10	i			
	ND	10	10			
	QN	10				
N Nitrosodiohenvlamine	GN	10	10			
	ND	10				
N-Nitrosopioeridine	QN	10	T.			
N-Nilrocopyreolidine	ON	10	1			
5 Nitro-o-lollidine	ON	10	1			
Pentachlorohenzene	QN	10	4			
Pentachloronitrobenzene	ND	80	1			
Phanacatin	ND	10	1			
Phonenthrene	ON	10	10			
9. Picollne	ON	10	I.			
Pronemide	ND	20	1			
Pyrene	GN	10	10			
Safrole	GN	10	ì			
1.2.4.5-Tetrachlorobenzene	ON	10	i			
1,2,4-Trichlorobenzene	QN	10	10			
Tris(2,3 dibromopropyl)phosphate	NN		ė			

ND = Not detected. NM = Not measurable. bAs diphenylamine.

Analysti Kimberly Zilla

Date Sample Collected: 9/4/86

Date Tested: 9/23/86

Georgia Environm....al Protection Division

		A	9 7 9 8				1 7 0 0	
	Cone.	Instru.	Method	Burr.	Blank	Spike	Matrix	ì
Willes (Priraciables)	ug/I.	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	92

a Matrix Spike? Yes No X

This sample received

Sample Description: Monitor Well K-1

Fucility Name: RMAL

Sumple ID #: 61954-09

	0000	Inches	Mathod	G.	Diant	Oallea	Motele	Matel	Madely 02
Semi Volatiles (Extractables)	ug/I.	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Additional Compounds									
							7		
Benzyl alcohol	QN	10	10						
3 Chloropropionitrile	ND	10	, i						
Mulononitrile	ND	20	I.						
Pentuchloroethane	ND	10	á.						
Acid Organics									
2 Chlorophenol	ND	10	10						
o-Cresol	GN	10	10						
m/o-Cresol	ON	10	10						
4 Nitrophenol	ON	20	20						
2,4-Dichlorophenol	QN	10	10						
2,6 Dichlorophenol	GN	10	r						
2,4-Dimethylphenol	ND	10	10						
4.6-Dinitro-o-cresol	ND	20	20						
2,4 Dinltrophenol	ON	20	20						
Pentachlorophenol	ND	50	20						
Phenol	UN	10	10						
Resoreinol	ND	10	j						
2.4.5 Trichlorophenol.	ND	20	20						
2, 4, 6 Trichlorophenol	ND	10	10						
2,3,4,6-Tetrachlorophenol	GN	20	1						
2 Nitrophenol**	ND	10	10						
Benzoic seld	QN	20	90						

^{**}Not measurable by this method; measurable as heated purge & trap volatile. J = Tentative value reported below detection limit. NI) - Not detected.

	I K-1	
	r Well	
7	onito	60
ie: RMAL	lion:	61954-
Name:	Desc	ID #:
Facility	Sumple	Sample

	×
	å
This sample received	a Matrix Spike? Yes

Analysti Kimberly Zills Date Sample Collected: 9/4/86 Date Tested: 9/23/86

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Semi-Volatiles (Extractables)	ng/L	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Splke Dup.
Surrogates							1		
Phenot-D5	11	ú	4	7.1					
2 Fluorophenol	69	Ţ	ı	69					
2, 4, 6-Tribromophenol	38	1	j	38					
1-5 Nitrobenzene	82	i	ı	41					
2-Fluorobiphenyl	78	į,	1	38					
rerphenyl-D14	109	7		54					
Mulrix Spikes									
1,2,4-Trichlorobenzene	•	ů.	1	ı					
Acenaphthene	ì	1	1	1					
2,4-Dinitrotoluene	1	1		1					
Di-n-butyl Phthalate	*	ı	ı	1					
Pyrene	i	r		1					
N-Nitroso-Di-n-Propylamine	r.	è	·	1					
1,4 Dichlorobenzene	j	1	ų	1					
Pentachlorophenol	ř	r.	١	i.					
Phenol	1	1	i	1					
2 Chlorophenol	i	1	,	1					
1-Chloro-3-Methylphenol	t	t	1	j.					
I-Nitrophenol	9	į	1	1					

VI.	Monitor Well K-1	60-
Name: RMA	Descriptions	ID #: 61954
Pacillity	Sample	Sumple

No X a Matrix Spike? Yes This sample received

Analyst: Hallie Hotchkiss Date Sample Collected: 9/4/86 Date Tested: 10/4/86

	Cono	Inotes	Mathod	Riber	Blank	Rolle	Mairia	Matrix	Matrix 9.
Pestfeldes	ng/l.	L.D.I.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Bolke Dup.
Aldrin	UN	0.05	0.05						
Isodrin (aldrin Isomer)	QN	0.01							
Chlordane	ON	0.5	0.5						
DDD	ON	0.1	0.1						
300	ND	0.1	0.1						
TOO	ON	0.1	0.1						
Dieldrin	ND	0.1	0.1						
Thionazin (zinophos)*	NA	NA	NA						
Endosulfan I	ND	0.02	0.05						
Endosulfan II	ND	0.1	0.1						
Endosulfan sulfate	GN	0.1	0.1						
Endrin	ND	0.1	0.1						
Endrin aldehyde	ND	0.1	0.1						
Endrin Ketone	ND	0.1	0.1						
Heptachlor	ND	0.02	0.05						
Heptachlor epoxide	ND	0.02	0.05						
Alpha BHC	ON	0.05	0.02						
Beta HIIC	ND	0.02	0.05						
Gamma BHC	GN	0.05	0.05						
Delta BIIC	GN	0.05	0.02						
Kepone	GN	90.0	ı						
Methoxychlor	ON	0.05	0.02						
Toxaphene	S	1.0	1.0						
Aroclor 1016	GN	0.5	0.5						
Aroclor 1221	ND	0.5	0.5						
_	ON	0.5	0.5						
Aroclor 1242	GN	0.5	0.5						
-	ON	0.5	0.5						
-	ON	1.0	1.0						
-	ND	1.0	1.0						

Facility Name: RMAL Sample Description: Monitor Well K-1 Sample ID #: 61954-09

a Matrix Spike? Yes No X This sample received

Analyst: Hallle Hotchkiss Date Sample Collected: 9/4/86 Date Tested: 10/4/86

.008		Cone.	Instru.	Method	Surr.	Blank	Splke	Matrix	Matrix	Matrix %
.00801 .00801 .00501 .006025 .027025 .029025 1.9025 .026021 .008021	resticides	ng/L	L.D.L.	L.D.L.	88	Spike	Blank %	Spike	Spike %	Spike Dup.
.008	surrogate									
lor .00801 .00501 .00601 .026025 .027025 .029025 .029025 .026025 .029025 .026025 .02601	Dibutyl chlorendate	iii	7.	3	71%					
.008 .005 .006 .026 .027 .029 .029 .026 .026 .026 .026 .026 .026 .026	Matrix Spike									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	indane	800.	ı	or or	i	.01	75%			
.026025 .027025 .029025 1.9025 .02601	leptachlor	.005	1	1	ý	.01	20%			
.026025 .027025 .029025 1.9025 .0260.1	Aldrin	900.	1	ı.	u,	.01	65%			
.029025 .029025 1.92.0 .026 0.1	Dieldrin	.026		1	ú	.025	104%			
.029025 1.9 - 2.0 .026 0.1 .00801	chdrin	.027	ì	1	i	.025	108%			
1.9 - 2.0 .026 - 0.1 .008 0.1	1,4' DDT	.029	1	1	i	.025	116%			
.008 0.1	Chlorobenzilate	1.9	1	1.	ć	2.0	9886			
	Kepone	.026	ī	r	ţ	0.1	26%			
	sodrin	800	t	,	i	.01	80%			

Analyst: Amy Ballow Date Sample Collected: 9/4/86

Date Tested: 9/24/86

Georgia Environmental Protection Division

a Matrix Spike? Yes No X

This sample received

Sample Description: Monitor Well K-1 Sample ID #: 61954-09

Facility Name: RMAL

Herbicides	Cone.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
2,4-D	ND	0.2	0.5						
2,4,5-T	ND	0.1	0.5				*		
2,4,5-TP (silvex)	ND	0.1	0.1						

ND = Not detected.

>

64%

0.25

0.16

Spike Compounds

2,4-D Silvex

Surrogate

2,4-DB

21%

Facility Name: RMAL		Analyst: Marilyn Wil
Sample Description: Monitor Well K-1	This sample received	Date Sample Collected: 9
Sample ID #: 61954-09	a Matrix Spike? Yes No X	Date Tested: 9/

Analyst: Marilyn Williams	Sample Collected: 9/4/86	Date Tested: 9/11/86
1	Date	

Organophosphorus Pesticides	Conc.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
Disulfaton	QN	1.0	_,						
Methyl Parathion	ND	1.0	ı					b	
Parathion	ND	1.0	0.1						
Sulfotepp (tetraethyl dithiopyrophosphate)	ON	1.0	1.						
Famphur (phosphorothioic acid ester)	QN	2.0	1.						
Phorate (phosphorodithioc acid ester)	ND	1.0	1						
Dimethoate	ND	2.0	í						
Thionazin	ND	2.0	ť						
Spike Compounds									
Dimethoate	8.6	ı	•	1	10	86%			
Disulfoton	13	1	•	ļ	10	130%			
Methyl Parathion	14	t	Y	r	10	138%			
Parathion	14	1	į	ē	10	140%			
Phorate	13	ì	P	į	10	134%			

ND = Not detected.

Facility Name: RMAL Sample Description: Monitor Well K-1 Sample ID #: 61954-09

This sample received a Matrix Spike? Yes No X

Analyst: Dave Roberts
Date Sample Collected: 9/4/86
Date Tested: 9/21/86

		Total Metals	Metals			Dissolved Metals	d Metals	
Metals	Cone. ug/L	r.D.L.	Spike %	Blank	Cone.	T.D.L.	Spike %	Blank
Afuminum	5,200	20			QN	90		
Antimony	Q	c4 (QN C	C4 C		
Arsenic Barium	130	N IO			7 12	210		
Bervillium	64	1			ND			
Cadinium	ND	7			ND	700		
Chromium	OND	200			ON	22		
Cobalt	14	m			2	es		
Copper	15	es 02			N 42	£ 02		
Lead	ON	20			QN	20		
Magnesium	2,000	100			1,200	100		
Manganese'	4 C Z	ြ			N 36	9		
Nickel	ON	10			ND	10		
Osmium	ND	20			QN	20		
Phosphorus as P	1 .	1 6				000		
Potassium Selenium	ND ON	40			ND	40		
Silver	ND	es			ND	8		
Sodium	4,300	20			4,300	20		
Thallium	ND	4			ND	4		
Tin	ND	30			QN	30		
Vanadium	20	C4 44			16 16	24		

acility.	маше: ил				
Sample	e Description: Mo	nitor	Well K-1	K-1	
di	D #: 6195	4-09			

	×
	No
This sample received	a Matrix Spike? Yes

sceived	Date Sample Collected:	9/4/86
Yes No X		

Group	Cone.	L.D.L.	Spike &	Blank	Analyst	Date	d
Anions				r			
Cyanide	ND	10	i	à	Anne Lang	10/2	
Sulfide	ND	20	x	à	Lindsey Breyer	9/8	
Fluoride	100	100	9	ì	Chuck Wibby	9/16	
Formaldehyde	ND	100	ŝ	i	Amy Ballow	9/29	
Dioxins							
Tetra CDD	ND	99.0	ġ	-1	Robert Mitzel	9/17	
Tetra CDF	ND	0.50	Ė	ı	Robert Mitzel	9/17	
Penta CDD	ND	2.8	ű,	1	Robert Mitzel	9/17	
Penta CDF	ND	2.8	(I)		Robert Mitzel	9/17	
Hexa CDD	ND	2.4	1	1	Robert Mitzel	9/17	
Hexa CDF	ND	1.2		1	Robert Mitzel	9/17	
2,3,7,8 TCDD	ND	99.0	119%*	1	Robert Mitzel	9/17	

ND = Not detected. *CL37-TCDD Spike.

al Laboratory

Georgia Environmental Protection Division

Facility Name: RMAL Sample Description: Monitor Well K-2 (MW-12) Sample ID #: 61954-10

a Matrix Spike? Yes X No This sample received

Analyst: Aldan Ridle, Date Sample Collected: 9/4/8t Date Tested: 9/16/8t

	Conc.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Volatile Organics (P. & T.)	ng/I.	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Acetonitrile	ND	10	ţ						
Acetone	383	10	10						
Benzene	ND	2	s.						
Bromodichloromethane	ND	2	9						
Methyl Bromide (Bromomethane)	ON	10	10						
Carbon disulfide	ND	9	2						
Chlorobenzene	ND	23	S						
Chlorodibromomethane	ON	s	9						
Chloroethane	ND	10	10						
Chloromethane	ND	10	10						
2-Chloroethyl vinyl ether	QN	10	10						
Chloroform	ND	2	co.						
3-Chloropropene	ND	2							
2-Chloro-1,3-butadiene	ND	2	1						
1,2-Dibromo-3-chloropropane	ND	2	9.						
1,2-Dibromoethane	ND	2	X						
Dibromomethane	QN	9	ì						
1,4-Dichloro-2-butene	ND	10	ρ.)						
Dichlorodifluoromethane	ND	15	• 3						
1,1-Dichloroethane	ND	2	S						
1,2-Dichloroethane	ON	S	2						
truns-1,2-Dichloroethylene	ND	2	S						
1,1-Dichloroethylene	ND	2	o						
1 4-Diovaga	S	10							

B = Compound was found in the blank, J = Tentative value reported below detection limit. ND = Not detected.

Fucility Name: RMAL Sumple Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes X No

Analyst: Aldan Ridley Date Sample Collected: 9/4/86 Date Tested: 9/16/86

Volatile Organics (P. & T.) Ug/L L.D.L. % Spike Blank % Spike Blan		Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
hane) ND ND ND ND ND ND ND ND ND N	Volatile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	æ	Spike	Blank %	Spike	Spike %	Spike Dup.
SUNCE	Methylene Chloride (Dichloromethane)	283	2	S						
SCAN GOOD ON G	1 2-Dichloropropane	ND	S	S						
SON GOOD ON BOOM ON SON SON SON SON SON SON SON SON SON	-is-1.3-Dichloropropene	ON	2	ro						
ON O	rans-1.3-Dichloropropene	QN	s	S						
OND	ithyl benzene	ND	2	9						
don	2 butanone (MEK)	10B	10	10						
SE SENDING SEN	odomethane	ND	2							
G G G G G G G G G G G G G G G G G G G	Methacrylonitrile	ND	2	Ŀ						
ON DOUGH AND SECOND ON SEC	1-Methyl-2-pentanone	ND	10	10						
SE S	Pentachloroethane*		1	1						
N DOOD ON DOOD	styrene	ND	9	S						
ON NO O O O O O O O O O O O O O O O O O	1,1,1,2-Tetrachloroethane	ND	co.	i de						
ON NO ON O	1.1.2.2-Tetrachloroethane	ND	2	9						
ON NO ON O	Petrachloroethene	ON	2	S						
ND OUN NO OUN OUN NO OUN OUN OUN OUN OUN O	Carbon Tetrachloride	ND	2	ß						
ND OUD OUD OUD OUD OUD OUD OUD OUD OUD OU	Foluene	ND	S	2						
ND NDD NDD NDD NDD NDD NDD NDD NDD NDD	Gromoform (Tribromomethane)	QN	2	S						
ND N	1,1,2-Trichloroethane	ND	S	ß						
ND N	1.1.1-Trichloroethane	ND	LO.	us.				į		
SSSS SSS	Prichloroethylene (Trichloroethene)	ND	2	S						
ON NAN	Prichlorofluoromethane	ND	2	1						
ON ONN	1.2.3-Trichloropropane	QN	2	ť						
d day	Viryl acetate	CN	10	10						
ON O	Vinyl chloride	ND	20	S.						
QN	Xylene (total)	ND	co	S						
UN	Ethylene Glycol monoethyl ether	Q.	20	1						
	2-Nitropropane	N	10	T.						

ND = Not detected. *Not measurable by this method; measurable as semivolatile.

J = Tentative value reported below detection limit. B = Compound was found in the blank.

Analyst: Aidan Ridley Date Sample Collected: 9/4/86 Date Tested: 9/16/86

Georgia Environm...tal Protection Division

	This sample received	a Matrix Spike? Yes X No
Facility Name: RMAL	Sample Description: Monitor Well K-2	Sample ID #: 61954-10

	Conc.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Volatile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Additional Compound									
Chlorobenzene	ND	is.	ro.				7		
Surrogates									
Toluene-do	20	Ü		100					
4-Bromofluorobenzene	20	Č	j.	100					
1,2-Dichloroethane-d ₄	20	8	J.	66					
Matrix Spikes									
1, I-Dichloroethene	52	ı	•				20	104%	
Trichloroethene	48	ì	ı				20	9696	
Chlorobenzene	53	•	4.				20	106%	
Toluene	51)	į				20	102%	
Benzene	48	4	į				20	9696	

ND = Not detected.

Analyst: Aidan Ridley Date Sample Collected: 9/4/80

Date Tested: 9/9/8

Matrix % Spike Dup.

Georgia Environmental Protection Division

	This sample received a Matrix Spike? Yes No X
Facility Name: RMAL	Sample Description: Monitor Well K-2 Sample ID #: 61954-10

ND 50 - 200 103% Spike Blank %	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix
## ND 50 - 200 ND 10 - 200 NB 10 - 200	Volatile Organics (Heated P. & T.)	ng/l	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %
## ND 50 - 200 ND 50 - 200 ND 50 - 200 ND 10 - 200 NB 10 - 200	Aerolein	ND	20	1		200	103%		
onitrile* onitrile* onitrile* onitrile* ND	Acrylonitrile	ON	20	F		200	104%		
onitrile* by late ND ND 10 - 200 NN	Allyl alcohol	ON	20	1		200	9666		
ND 10 - 200 100	Benzylalcohol*	1	I.	,)-	1		
NB 10 - 200 ND 10 - 200 ND 10 - 200 NB 10 - 200 NR - 200 ABJ 10 - 200 NM - 117 - 200 NM - 117 - 200 A37 - 15 - 15	3 Chloropropionitrile*	1	å	1		1	i		
NB 10 - 200 ND 100 - 200 NB 100 - 200 NR 200 NB 10 - 200 NB 10 - 200 NM 117 - 42 42 - 117 - 43	1,4-Dioxane	ND	10	T		200	85%		
ND 100 - 200 NB 100 - 200 200 NR - 200 4BJ 10 - 200 NM - 200 200 442 - 83 37 - 75	Ethylene oxide	NR	•	1		1	,		
NB 100 - 200 NR - 200 200 4BJ 10 - 200 NM - 200 200 4	Ethylmethacrylate	QN	10	•		200	125%		
NR - 200 18B 10 - 200 4BJ 10 - 200 NM - 117 59 - 117 42 - 83 - 75	Isobutyl Alcohol	QN	100	ı		200	100%		
18B 10 200 4BJ 10 200 NM 200 59 - 117 42 - 83	2-Propyn-1-ol	NR	į	į.		200	9%0		
18B 10 - 200 4BJ 10 - 200 NM 117 - 117 - 83 37 - 75 - 75	Malononitrile*	4	ď	t	-1.	1	r		
4BJ 10 - 200 NM - 117 - 117 - 117 - 83 - 75 - 75	Methyl ethyl ketone	18B	10	1		200	105%		
59 - 117 - 83 - 75 - 75	Pyridine	483	10	ı		200	87%		
Surrogates Toluene-Dg 4-Bromofluorobenzene 1,2-Dichloroethane-D4	Trichloromethanethiol	WW	i	i.		P			
Toluene-D ₈ 4-Bromofluorobenzene 4.2 117 83 13.2-Dichloroethane-D ₄	Surrogates								
4-Bromoflüorobenzene 42 - 83 1,2-Dichloroethane- D_4 75 75	Toluene-Dg	69	1	1	117		7.		
1,2-Dichloroethane-D ₄	4-Bromofluorobenzene	42	ì	1	83	į	į		
	1,2-Dichloroethane-D4	37	j.	1	15	ņ	j.		

*Not measurable by this method; measurable as semivolatile. B = Compound was found in the blank. ND = Not detected. NM = Not measurable. *Not measurable by NR = Not recovered in spike, detection limit cannot be established.

Sample Description: Monitor Well K-2 Sample ID #: 61954-10 Facility Name: RMAL

No X This sample received a Matrix Spike? Yes

Analyst: Kimberly ZIII: Date Sample Collected: 9/4/80 Date Tested: 9/23/81

Semi-Volatiles (Extractables)	Cone.	Instru.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
Base/Neutrals									
Acenaohthene	ON	10	10	9			~		
Acenaphthalene	ND	10	10						
Acetonitrile**	Î	1	X						
Acetophenone	ND	10	1						
2-Acetylaminofluorene	ND	20							
4-A minobiohenvl	ND	10	1						
Anthracene	ND	10	10						
Aniline	ON	10	10						
Aramite	ND	20	t						
Henz(a)anthracene	ND	10	10						
Benzenethiol	NR	1	ď						
Benzidine	ON	80	80						
Benzo(k)fluoranthene	QN	10	10						
Benzo(b)fluoranthene	QN QN	10	10						
neurolithe diene			•						
Benzo(a)pyrene	QN	10	10						
p-Benzoquinone	CN	100	1						
Bis(2-Chloroethoxy)methane	QN	10	10						
Bis(2-Chloroethyl)ether	QN	10	10						
Bis(2-Chloroisopropy1)ether	ON C	10	10						
Bis(2-ethylhexyl)phthalate	2JB	10	10						
4-Bromophenyl phenyl ether	QN	10	10						
2-sec-Butyl-4,6-dinitrophenol	ON	20	1						
p-Chloroaniline	QN	10	10						

NR = Not recovered in spike, detection limit cannot be established. ND = Not detected. **Not measurable by this method, measurable as heated purge and trap volatile.
J = Tentative value reported below detection limit.
B = Compound was found in the blank.

ANALYTIC/ RESULTS FOR

Georgia Enviror.

n. atal Protection Division

Facility Name: RMAL Sample Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zili Date Sample Collected: 9/4/8 Date Tested: 9/23/8

Semi-Volatiles (Extractables)	Cone.	Instru L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup
Base/Neutrals (Cont'd)									
Chlorobenzene*	1	1	•						
o-Dichlorobenzene	ND	10	10						
m-Dichlorobenzene	ND	10	10						
p-Dichlorobenzene	ND	10	10						
4-Chlorophenyl phenyl ether	ND	10	10						
2-Chloronaphthalene	ON	10	10						
Chrysene	ND	10	10						
Dibenz(a,h)anthracene	QN	10	10						
Dibenzofuran	ND	10	10						
Dibenzo(a,e)pyrene	NN								
Dibenzo(a.h)ovrene	N		ū						
Dibenzo(a,i)pyrene	Z	í	i						
Di-n-butyl phthalate	ND	10	10						
3,3'-Dichlorobenzidine	ND	20	20						
3,3'-Dimethoxybenzidine	ON	80	R						
3.3-Dimethylbenzidine	ND	80	7						
Diethyl phthalate	ON	10	10						
p-Dimethylaminoazobenzene	QN	10	ì						
7,12-Dimethylbenz(a)anthracene	QN	10	ŕ						
a,a - Dimethylphenethylamine	ND	10							
Dimethyl phthalate	ND	10	10						
m-Dinitrobenzene	ND	10	, it						
2,4-Dinitrotoluene	ND	10	10						
2,6-Dinitrotoluene	QN	10	10						
Di-n-octyl phthalate	QN	10	10						
*Not measurable by this method; measurable as volatile.		ND = Not detected.	tected.	N = WN	NM = Not measurable.	ble.			

Georgia Enviror. ...ntal Protection Division

Facility Name: RMAL Sample Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zili Date Sample Collected: 9/4/8 Date Tested: 9/23/8

Semi-Volatiles (Extractables)	Conc.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup
Base/Neutrals (Cont'd)									
Diphenylamine	QN	10	10						
1,2-Diphenylhydrazine ⁸	ND	10	10						
Di-n-propyInitrosamine	ON	10	10						
Fluoranthene	ND	10	10						
Fluorene	ND	10	10						
Hexachlorobenzene	ND	10	10						
Hexachlorobutadiene	ND	10	10						
Hexachlorocyclopentadiene	ND	10	10						
Hexachloroethane	ND	10	10						
Hexachlorophene	NR	ji.	à						
Hexachloropropene	ND	20	, i						
Indeno(1,2,3-ed)pyrene	ND	10	10						
Isophorone	ND	10	10						
Isosafrole	QN	20	1						
Melphalan	WN		i						
Methapyrilene	ND	10	,						
3 Methylcholanthrene	QN	20	į						
4,4-Methylenebis(2-Chloroanaline)	ON	20	1						
Methyl methacrylate	QN	10	Ĺ						
Methyl methanesulfonate	ON	10	ű.						
2-Methylnaphthalene	ND	10	10						
Naphthalene	ND	10	10						
1,4-Naphthoquinone	ON	10	, i						
1-Naphthylamine	QN S	01	ŗ						
z-Naphinylamine	ND	10	1						

NR = Not recovered in spike, detection limit cannot be established. As azobenzene. NT = Not on Appendix IX; compound has not been tested. ND = Not detected. NM = Not measurable

	K-2	
	or Well K-2	
IL.	nite	
Name: RMAL	Description:	ID #: 61954-10
Facility	Sample Descr	Sumple

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zili: Date Sample Collected: 9/4/81 Date Tested: 9/23/81

L.D.L. L.D.L. % Spike Blank % Spike Spike % E		Cone.	Instru.	Method	Surr.	Blank	Soike	Matrix	Matrix	Matrix %
aniline anodi-n-but ylamine sodime thylamine sodime thylamine anodime thylamine anodime thylamine anodime thylamine anodime thylamine anodime thylamine anodime aniline anodime aniline anodime aniline anodime anodime ano anodime anodim	Semi-Volatiles (Extractables)	ng/L	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup.
ND S0	Base/Neutrals (Cont'd)									
aniline aniline aniline aniline nzene sodi-n-butylamine sodiethylamine sodimethylamine sodimethylamine somorpholine sopyrrolidine -o-toluidine lorobenzene threne lun lorobenzene lun lorobenz	2-Nitroaniline	ND	20	20	,					
ND 50	3-Nitroaniline	ON	20	50						
ND 10 10 10 10 10 10 10 1	p-Nitroaniline	ND	20	20						
Sodiethylamine	Nitrobenzene	ND	10	10				¥		
ND 10 10 10 10 10 10 10 1	N-Nitrosodi-n-butylamine	ND	10	ı						
Sodimethylamine	N-Nitrosodiethylamine	ND	10	1						
Somethylethylamine	N-Nitrosodimethylamine	ON	10	10						
Sodiphenylamine Sodiphenylamine Sodiphenylamine Somorpholine ND 10 10 10 10 10 10 10 1	N-Nitrosomethylethylemine	ND	10	. 1						
Somorpholine	N-Nitrosodiphenylamine ^D	ND	10	10						
Sopiperidine	N-Nitrosomorpholine	ND	10	è						
sopyrrolidine ND 10 -o-toluidine ND 10 nlorobenzene ND 10 nlorobenzene ND 10 etin ND 10 ine ND 10 ide ND 10 richlorobenzene ND 10 richlorobenzene ND 10 richlorobenzene ND 10 richlorobenzene ND 10 richloropenzene ND 10	N-Nitrosopiperidine	ND	10	1						
-o-foluidine -o-foluidine nlorobenzene nlorobenzene nloronitrobenzene etin threne threne ide Tetrachlorobenzene -dibromopropyl)phosphate ND 10 10 10 10 10 10 10 10 10 10 10 10 10	N-Nitrosopyrrolidine	ON	10	1						
ND 10 10 10 10 10 10 10 1	5-Nitro-o-toluidine	ON	10	ı						
ND 10 10 10 10 10 10 10 1	Pentachlorobenzene	ON	10	1						
threne	Pentachloronitrobenzene	ND	80	ı						
threne ND 10 1 ine ND 10 10 ide ND 20 10 ide ND 10 10 Tetrachlorobenzene ND 10 10 -dibromopropyl)phosphate ND 10 1 -MM - - -	Phenacetin	ND	10	•						
ND 10 10 10 20 20 20 20 20	Phenanthrene	ND	10	10						
ide ND 20 ND 20 ND 10 10 1 ND 10 10 10 I ND 10 I ND I N	2-Picoline	ND	10	•						
Tetrachlorobenzene ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Pronamide	ND	20	L						
ND 10 10 ND ND ND 10 ND ND 10 ND	Pyrene	ND	10	10						
ND 10 NN	Safrole	ND	10							
ND 10	1,2,4,5-Tetrachlorobenzene	ND	10	ī						
	1,2,4-Trichlorobenzene	ND	10	10						
	Tris(2,3-dibromopropyl)phosphate	WW)	1						

NM = Not measurable.

ND = Not detected.

bAs diphenylamine.

tal Protection Division

Georgia Environt.

Sample Description: Monitor Well K-2 Sample ID #: 61954-10 Facility Name: RMAL

This sample received a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Sample Collected: 9/4/86 Date Tested: 9/23/86

ND 10 10 10 ND ND ND 10 10 10 ND ND 10 10 - ND ND 10 10 10 ND ND 10 10 10 ND ND 10 10 ND ND 10 10 ND 10 ND 50 50 50 ND ND 50 50 50 ND ND 50 50 50 ND ND ND 50 ND ND ND ND 50 ND		Cone.	Instru	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
ND ND 100 100 100 100 100 100 100 100 100 10	Semi-Volatiles (Extractables)	ng/L	L.D.L.	L.D.L.	86	Spike	Blank %	Spike	Spike %	Spike Dup.
ND 100 ND	Additional Compounds									
ND ND 10 ND	Benzyl alcohol	ND	10	10						
ND ND 10 10 10 ND	3-Chloropropionitrile	ND	10	1						
ND 10	Malononitrile	ND	20	ı						
ND ND 110	Pentachloroethane	ND	10	i.						
ND 10 ND 10 ND 10 ND 10 ND 10 ND 50 ND 50 ND 50 ND 10 ND 10	Acid Organics									
ND 10 ND 10 ND 10 ND 10 ND 50 ND 50 ND 50 ND 10 ND 10	2-Chlorophenol	ND	10	10						
ND 10 ND 10 ND 10 ND 10 ND 50 ND 50 ND 50 ND 10 ND 10 ND 10 ND 10 ND 10 ND 10 ND 10 ND 10	o-Cresol	ND	10	10						
ND ND 10 ND 10 ND 10 ND 10 ND 10 ND 10 ND 50 ND 50 ND 50 ND 10 ND 10 ND 10 ND ND 10 ND ND 10 ND ND 10	m/p-Cresol	ND	10	10						
ND 10 ND 10 ND 10 ND 50 ND 50 ND 10 ND 10 ND 10 ND 50 ND 10	4-Nitrophenol	ND	20	20						
ND 10 ND 50 ND 50 ND 50 ND 10 ND 10 ND 10 ND 50 ND 10 ND 50	2,4-Dichlorophenol	QN	10	10						
ND 10 ND 50 ND 50 ND 10 ND 10 ND 10 ND 10 ND 50	2,6-Dichlorophenol	QN	10	1						
ND 50 ND 50 ND 10 ND 10 ND 10 ND 50 ND 10 ND 50	2,4-Dimethylphenol	ND	10	10						
ND 50 ND 50 ND 10 ND 10 ND 50 ND 50 ND 50	4,6-Dinitra-o-cresol	QN	20	20						
ND 50 ND 10 ND 10 ND 50 ND 50 ND 50	2,4-Dinitrophenol	ND	20	20						
ND 10 ND 10 ND 50 ND 10 ND 10	Pentachlorophenol	ND	20	20						
ND 10 ND 50 ND 10 ND 10 ND 20	Phenol	ND	10	10						
ND 50 ND 10 ND 20	Resorcinol	QN.	10							
ND ND	2,4,5-Trichlorophenol	ND	20	20						
QN	2,4,6-Trichlorophenol	ND	10	10						
	2,3,4,6-Tetrachlorophenol	ND	20	ì						
2-Nitrophenol**	2-Nitrophenol**	ND	10	10						
	Benzoic acid	QN	20	20						

^{**} Not measurable by this method; measurable as heated purge & trap volatile. J = Tentative value reported below detection limit. ND = Not detected.

Facility Name: RMAL Sample Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zili: Date Sample Collected: 9/4/8t Date Tested: 9/23/8t

	Cone.	Instru.	Method	-	Blank	Spike	Matrix	Matrix	Matrix %
Semi-Volatiles (Extractables)	ng/Ir	L.D.L.	L.D.L.	R	Splike	Blank %	Spike	Spike %	Spike Dup.
Surrogates									
Phenol-D5	102	-10	y	51					
2-Fluorophenol	06	1	d)	45					
2,4,6-Tribromophenol	148	í	ñ	74					
d-5 Nitrobenzene	64	1	ï	64					
2-Fluorobiphenyl	63	1	j	63					
Terphenyl-D14	43	ı	ŧ	43					
Matrix Spikes									
1, 2, 4-Trichlorobenzene		-	ú	ı					
Acenaphthene		1	ţ						
2,4-Dinitrotoluene	A.	ı	i	Ĭ.					
Di-n-butyl Phthalate	1	1	1	1					
Pyrene	1	6	r	1					
N-Nitroso-Di-n-Propylamine	1	1	4)	1					
1,4-Dichlorobenzene	1.	1	t	,					
Pentachlorophenol		1	,	1					
Phenol	1	đ	r	1					
2-Chlorophenol	r	1		1					
4-Chloro-3-Methylphenol	•	1	ì	•					
4-Nitrophenol		ı	i,	1					

Facility Name: RMAL Sample Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes No X

Analyst: Hallie Hotchkis: Date Sample Collected: 9/4/81 Date Tested: 10/2/81

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix 9.
Pesticides	ng/I.	L.D.L.	L.D.L.	%	Spike	Blank %	Spike	Spike %	Spike Dup.
				Į.					
Aldrin	ON	0.05	0.05						
Isodrin (aldrin isomer)	ON	0.01	1						
Chlordane	QN	0.5	0.5						
DOD	QN	0.1	0.1						
DDE	ND	0.1	0.1						
DUT	CN	0.1	0.1						
Dieldrin	QX	0.1	0.1						
Thionazin (zinophos)*	1								
Endosulfan I	ON	0.05	0.02						
Endosulfan II	ND	0.1	0.1						
Endosulfan sulfate	ON	0.1	0.1						
Endrin	QN	0.1	0.1						
Endrin aldehyde	QN	0.1	0.1						
Endrin Ketone	ON	0.1	0.1						
Heptachlor	ND	0.05	0.02						
lleptachlor epoxide	ON	0.05	0.05						
Alpha BHC	QN	0.05	0.05						
Beta BIIC	ON	0.05	0.02						
Gamma BHC	QN	0.05	0.05						
Delta BIIC	QN	0.05	0.02						
Kepone	ND	90.0	1						
Methoxychlor	ND	0.02	0.02						
Toxaphene	ND	1.0	1.0						
Aroclor 1016	QN	0.5	0.5						
	QN	0.5	0.5						
	QN	0.5	0.5						
	QN	0.5	0.5						
	QN	0.5	0.5						
Aroclor 1254	QN	1.0	1.0						
	ND	1.0	1.0						

NA = Not analyzed. ND = Not detected.

detected. *Measured as an organophosphate.

Facility Name: RMAL Sample Description: Monitor Well K-2 Sample ID #: 61954-10

This sample received a Matrix Spike? Yes No X

Analyst: Hallie Hotchkis: Date Sample Collected: 9/4/86 Date Tested: 10/2/86

	Conc.	Instru.	Method Surr.	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Pesticides	ng/L	L.D.L.	L.D.L.	8		Blank %	Spike	Spike %	Spike Dup.
Surrogate									
Dibutyl chlorendate	10	F		9699			1+1		
Matrix Spike									
Lindane	800.	Ĺ	,	i	.01	75%			
Heptachlor	.005	Ť,	î	i	.01	20%			
Aldrin	900.	9	ì	ý	.01	65%			
Dieldrin	.026	ı	ı	i	.025	104%			
Endrin	.027	ì	4	1	.025	108%			
4,4'-DDT	.029	ı	ŗ	ī,	.025	116%			
Chlorobenzilate	1.9	ţ	V	i	2.0	9886			
Kepone	.026	1	Ŷ.	ī,	0,1	26%			
Isodrin	800.		i	ì	.01	80%			
1					-				

ND = Not detected.

Matrix 9	Matrix	Matrix	Spike	Blank	Surr.	Instru. Method Surr. Blank Spike Matrix Matrix Matrix Matrix 9	Instru.	Conc.	
									14
ted: 9/24/	Date Tes				No X	a Matrix Spike? Yes No X	Matrix Spi	8	Sumple ID #: 61954-10
cted: 9/4/	Date Sample Collected: 9/4/	Date Sal				received	This sample received	T	Sample Description: Monitor Well K-2
Analyst: Amy Ballo	Analyst:								Facility Name: RMAL

ò	9/4/8	1/8
Ba	9/4	9/24/8
Analyst: Amy Ballow	Date Sample Collected:	te Tested:

Herbicides	Conc.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
2.4-D	QN	0.2	0.5						
2,4,5-T	QN	0.1	0.5				3		
2,4,5-TP (silvex)	ND	0.1	0.1						
Surrogate									
2,4-DВ		ì) . I	22%					
Spike Compounds									
2,4-D Silvex	0.16	1, 1	(1 1)	1 1	0.25	64%			

Fucility Name: RMAL. Sample Description: Monitor Well K-2 Sample ID #: 61954-10

	×
	No
This sample received	a Matrix Spike? Yes

	Analyst: Marilyn William:
	Date Sample Collected: 9/4/86
· al	Date Tested: 9/11/86

Organophosphorus Pesticides	Conc. ug/L	Instru.	Method Surr. L.D.L. %	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
Disulfoton	ND	1.0	t.						7
Methyl Parathion	ON	1.0	i						
Parathion	ND	1.0	0.1						
Sulfotepp (tetraethyl dithiopyrophosphate)	ND	1.0	ı						
Famphur (phosphorothioic acid ester)	ND	2.0	i						
Phorate (phosphorodithioc acid ester)	ND	1.0	1						
Dimethoate	ND	2.0	j						
Thionazin	QN	2.0	1						
Spike Compounds									
Dimethoate	8.6		1	î	10	86%			
Disulfoton	13	0	4	ě	10	130%			
Methyl Parathion	14	Y		t	10	138%			
Parathion	14	(Y)			10	140%			
Phorate	13	J)	j.)	10	134%			

cal Laboratory

Georgia Environ. atal Protection Division

Sample Description: Monitor Well K-2 Sample ID #: 61954-10 Facility Name: RMAL

No X a Matrix Spike? Yes This sample received

Analyst: Dave Robert Date Sample Collected: 9/4/8 Date Tested: 9/21/8

		Total Metals	letals			Dissolve	Dissolved Metals	
Metals	Cone.	L.D.L.	Spike %	Blank	Conc. ug/L	L.D.L.	Spike %	Blank
Aluminum	11,000	20			ND	20		
Antimony	QN	2			ND	23		
Arsenic	ND	23			2	2		
Barium	270	2			ND	S		
Beryllium	2	-				-		
Cadmium	ND	4			ND	7		
Calcium	9,600	100			ND	100		
Chromium	19	S			6,400	9		
Cobalt	17	ന			ND	es		
Copper	14	673			18	m		
Iron	006'9	20			ND	20		
Lead	ND	20			ND	20		
Magnesium	3.000	100			1.700	100		
Manganese	7.8	2			33	2		
Mercury	ND	0.1			ND	0.1		
Nickel	ND	10			QN	10		
Osmium	ND	20			ND	20		
Phosphorus as P	1	. 1				3 1		
Potassium	2.500	300			2.200	300		
Selenium	QN	40			QN	40		
Silver	ND	3			ND	en		
Sodium	10,000	20			15,000	20		
Strontium	180	2			10	co.		
Thallium	ND	4			ND	4		
Tin	ND	30			ND	30		
Vanadium	16	63 4			ND.	64 -		
Zinc	20	4.				4"		

Date Sample Collected: 9/4/80

a Matrix Spike? Yes No X

This sample received

Georgia Environi Straighte Descriptions Monitor Well N=2 anapie ID #: 61954 10 1 . . . I I'S NAMS: RMAL

	Conc.		Spike			Date	
Group	ng/l.	L.D.L.	*	Blank	Analyst	Tested	
Aulons							
Cyanide	QN	10	4	1	Anne Lang	10/2	
Suifide	ON	20	•	1	Lindsey Breyer	9/2	
Fineride	200	100	~· 0		Chuck Wibby	9/16	
Lormaldehyde	ND	100		7	Amy Billow	9/59	
Dioxins							
Tetra CDD	ON	1.2	ą	i	Robert Mitzel	9/17	
Tetra CDF	ON	0.83	0	1	Robert Mitzel	9/17	
Penta CDD	ND	8.6	Ł	i,	Robert Mitzel	9/17	
Penta CDF	ON	5.5	1		Robert Mitzel	9/17	
Hexa CDD	ON	4.8	4	Ñ	Robert Mitzel	9/17	
Hexa CDF	CN	2.4	ŧ	1	Robert Mitzel	9/17	
-,2,7,8 TCDD	UN	1.2	101%*	i.	Robert Mitzel	9/17	

*CL31-TCDD Spike. ND - Not detected.

Facility Name: RMAL Sumple Description: Method Blank #1 Sample ID #: 61954-MB1

This sample received a Matrix Spike? Yes No X

Analyst: Aldan Ridley Date Sample Collected: -Date Tested: 9/15/80

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Volatile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Acetonitrile	ND	10	1						
Acetone	8BJ	10	10					,7	
Benzene	ND	S	2						
Bromodichloromethane	ND	2	9						
Methyl Bromide (Bromomethane)	ND	10	10						
Carbon disulfide	ND	2	ng.						
Chlorobenzene	ND	LO.	S						
Chlorodibromomethane	ND	ro.	G						
Chloroethane	ND	10	10						
Chloromethane	ND	10	10						
2-Chloroethyl vinyl ether	ON	10	10						
Chloroform	ND	2	LO.						
3-Chroropene	ND	co							
2-Chloro-1,3-butadiene	ON	9	ì						
1,2-Dibromo-3-chloropropane	ND	2	c						
1,2-Dibromoethane	ON	ເນ	i						
Dibromomethane	ON	2	1						
1,4-Dichloro-2-butene	ND	S	1						
Dichlorodifluoromethane	ND	22	ì						
1,1-Dichloroethane	ON	ua.	2						
1,2-Dichloroethane	ND	9	co.						
trans-1,2-Dichloroethylene	ON	9	2						
1, 1-Dichloroethylene	ON	2	io.						
1,4-Dioxane	ND	10	i						

B = Compound was found in the blank.

J = Tentative value reported below detection limit.

NI) = Not detected.

Facility Name: RMAL Sumple Description: Method Blank #1 Sumple ID #: 61954-MB1

This sample received a Matrix Spike? Yes No X

Analyst: Aidan Ridle, Date Sample Collected: Date Tested: 9/15/86

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Volatile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	æ	Spike	Blank %	Spike	Spike %	Spike Dup.
Constitution Object Of the Constitution	981	v	u						
nemylene Cinoriae (Dicinorometinane)	NO.	o u	o u						
ois-1 3-Diobloropropena	CN	o un	2 147						
trops-1 3-Diobloropapa			ı c						
Ethal hongone	CN	u							
2-butanone (MEK)	1583	10	10						
To do months of the control	CR	v							
louomethane		2 14							
Methacrylonitrile	GN:	0	1 4						
4-Methyl-2-pentanone	ON	10	10						
Pentachloroethane*	ſ	1	t						
Styrene	ND	2	2						
1,1,1,2-Tetrachloroethane	QN	2	í						
1 1 9 9 Thotachlocochione	CN	u	LC.						
1, 1, 6, 4 I ciracinorocinane	G.	2 1	9 (
Tetrachloroethene	ND	c	o						
Carbon Tetrachloride	QN	9	S						
Toluene	ND	2	S						
Bromoform (Tribromomethane)	ON	S	2						
1,1,2-Trichloroethane	QN	3	9						
1 1 1-Prinh Canal hand	UN	ur.	v.						
Thinkloreathylere (Trichloreathene)	CX	ď	LC.						
The fall one fluore mothers		ט פ							
i i a a a componentiane		.	C-)						
1,2,3-Trientoropropane		0							
Vinyl acetate	GN	10	10						
Vinyl chloride	QN	co.	co				•		
Value	UN	u	ú						
Ethiology Chical managethal other		0 0	0						
9. Nitrographs	22	200	i						
annopropanie									

ND = Not detected. *Not measurable by this method; measurable as semivolatile. J = Tentative value reported below detection limit. B = Compound was found in the blank.

Facility Name: RMAL Sample Description: Method Blank #1 Sample ID #: 61954-MB1

This sample received a Matrix Spike? Yes No X

Analyst: Aidan Ridley Date Sample Collected: Date Tested: 9/15/80

Volatile Organics (P. & T.)	Conc.	Instru.	Method L.D.L.	Surr.	Blank	Spike Blank %	Matrix Spike	Matrix Spike %	Spike Dup.
Additional Compound									
Chlorobenzene	ON		ĸ				1		
Surrogates									
Toluene-do	49	1	1	98					
4-Bromofluorobenzene	48	1	,	96					
1,2-Dichloroethane-d4	47	ï	,	98					
Matrix Spikes									
1,1-Dichloroethene	52	1	H				20	104%	
Trichloroethene	48	1	1				20	9696	
Chlorobenzene	53	1		- 1			20	106%	
Toluene	51	ì	1				20	102%	
Benzene	48	1	1.				20	9696	

ND = Not detected.

Sample Description: Method Blank #1 Sample ID #: 61954-MB1 Facility Name: RMAL

This sample received a Matrix Spike? Yes No X

Analyst: Aldan Ridley Date Tested: 9/8/86 Date Sample Collected:

Volatile Organics (Heated P. & T.)	Conc.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix % Spike Dup.
								*	
Acrolein	ND	20	ı		200	103%			
Acrylonitrile	ND	90	Ĭ	2	200	104%			
Allyl alcohol	QN	90	ť		200	9666			
Henzylalcohol*	1	j	,		1	i			
3-Chloropropionitrile*	Y	i	ı		1	i			
1,4-Dioxane	ND	10	r		200	85%			
Ethylene oxide	NR	ſ	1		4	,			
Ethylmethacrylate	ND	10	ı		200	125%			
Isobutyl Alcohol	ON	100	1		200	100%			
2-Propyn-1-ol	NR	î.	ı		200	%0			
Malononitrile*	1	ā	r		•	7			
Methyl ethyl ketone	38B	10	ı		200	105%			
Pyridine	18B	10	ï		200	87%			
Trichloromethanethiol	NW	i	ï		i	3			
Surrogates									
Toluene-Do		û	ì		9	ı,			
4-Bromofluorobenzene		io	í		ì	Ť			
1,2-Dichloroethane-D4).			£	·			

*Not measurable by this method; measurable as semivolatile, nnot be established. B = Compound was found in the blank. ND = Not detected. NM = Not measurable. *Not measurable by NR = Not recovered in spike, detection limit cannot be established.

Sample Description: Method Blank #1 Sample ID #: 61954-MB1 Facility Name: RMAL

No X a Matrix Spike? Yes This sample received

Analyst: Kimberly Zilis Date Sample Collected: -Date Tested: 9/22/86

Semi-Volatiles (Patractables)	Cone.	Instru	Method	Surr.	Blank	Spike Blent &	Matrix	Matrix	Matrix %
Company (company)	790	***************************************	110170170	2	nhiwe.	DIGHT 70	орике	objec 20	opike Dup.
Base/Neutrals									
Acenaphthene	ND	10	10				•		
Acenaphthalene	ND	10	10						
Acetonitrile**	i	1	1						
Acetophenone	ND	10	1						
2-Acetylaminofluorene	ND	20	4.						
4-A minobiphenyl	ND	10	1						
Anthracene	ON	10	10						
Aniline	QN	10	10						
Aramite	ND	20	1						
Henz(a)anthracene	ND	10	10						
Benzenethiol	NR	1	1						
Benzidine	ND	80	80						
Benzo(k)fluoranthene	Q	10	10						
Benzo(b)fluoranthene	Q.	10	10						
Henzo(g,h,l)perylene	ON	10	10						
Benzo(a)pyrene	ND	10	10						
p-Benzoquinone	ON	100	4						
Bis(2-Chloroethoxy)methane	ND	10	10						
llis(2-Chloroethyl)ether	QN	10	10						
ilis(2-Chloroisopropyl)ether	QN	10	10						
isis(2-ethylhexyl)phthalate	ND	10	10						
4-Bromophenyl phenyl ether	QN .	10	10						
Butyl benzyl phthalate	QN	10	10						
2-sec-butyt-4,6-dinitrophenol	O C	07.	101						

NR = Not recovered in spike, detection limit cannot be established. ND = Not detected.

Facility Name: RMAL Sample Description: Method Blank #1 Sample ID #: 61954-MB1

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zilis
Date Sample Collected: Date Tested: 9/22/86

Matrix % Spike Dup.

Semi-Volatiles (Extractables)	Cone.	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %
Base/Neutrals (Cont'd)								
Chlorobenzene*	ů,	1	·r					
o-Dichlorobenzene	ND	10	10					
n-Dichlorobenzene	ND	10	10					
o-Dichlorobenzene	ND	10	10					
4 Chlorophenyl phenyl ether	ND	10	10					
2-Chloronaphthalene	ND	10	10					
Chrysene	ND	10	10					
Dibenz(a,h)anthracene	ND	10	10					
Dibenzofuran	QN	10	10					
Dibenzo(a,e)pyrene	N	r	1					
Dibenzo(a,h)pyrene	NW	t	a.					
Dibenzo(a, Ibyrene	N	•	×					
Di-n-butyl ohthalate	ND	10	10					
3,3'-tMehlorobenzidine	ND	20	20					
3,3'-Dimethoxybenzidine	ND	80	•					
3,3-Dimethylbenzidine	ND	80	ť					
Diethyl phthalate	ND	10	10					
3. Dimethylaminoazobenzene	ND	10	į					
7,12-Dimethylbenz(a)anthracene	QN	10	*					
a,a - Dimethylphenethylamine	ND	10	Y.					
Dimethyl phthalate	ND	10	10					
in-Dinitrobenzene	ND	10	r					
2,4-Dinitrotoluene	ND	10	10					
2,6-Dinitrotoluene	QN	10	10					
Di-n-octyl phthalate	QN	10	10					
*Not measurable by this method; measurable as vol	volatile.	ND = Not detected.		NM = No	NM = Not measurable.	ble.		

	1	
	Blank	
II.	Method	MB1
RMA	tion:	1954-M
Name:	Descrip	ID #: 6
Facility	Sumple	Sumple

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zilis Date Sample Collected: Date Tested: 9/22/86 Matrix % Spike Dup.

Seni-Volatiles (Extractables) Conc. Instru. Method Surr. Method Surr. Blank Spike Matrix Matrix Method Surr. Matrix Matri								Commence of the Commence of th	
Ug/L L.D.L. L.D.L. Spike Hank &	4.20	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix
Cont'd) ND 10 10 10 10 10 10 10 1	Semi-Volatiles (Extractables)	ng/L	L.D.L.	L.D.L.	R	polike	Hlank %	Spike	Spike %
ND 10 10 10 10 10 10 10 1	Base/Neutrals (Cont'd)								
trosamine trosamine trosamine trosamine trosamine ND ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Diohenylamine	ON	10	10	÷				
trosamine	1.2 Diohenylhydrazine ^a	ON	10	10					
ND 10 10 10 10 10 10 10 1	Di n-propylnitrosamine	ND	10	10					
ND 10 10 10	Fluoranthene	ON	10	10					
ene ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Pluorene	ON	10	10					
e tradiene ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Hexachlorobenzene	ND	10	10					
tradiene ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Hayachlorohutadiene	ND	10	10					
ne Chloroanaline) ND 20 1.0 ND 10 10 10 ND 10 10 ND 50 NM	Hexachlorocyclonentadiene	ND	10	10					
ne NB 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Hexachloroethane	ND	10	10					
ne ND 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Hexachlorophene	NR	ì	1					
ne ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Hexachloropropene	ND	20	10					
ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Indeno(1,2,3-ed)byrene	ND	10	10					
rene (2-Chloroanaline) NM	Isophorone	ND	10	10					
rene (2-Chloroanaline) ND 10 20	Isosafrole	ND	20	CK.					
rene (2-Chloroanaline) ND 20 - (2-Chloroanaline) ND 50 - 10 10 10 10 10 10 10 1	Melphalan	NW		1					
rene (2-Chloroanaline) ND 20 -	Methanyrilene	ND	10	ř					
(2-Chloroanaline) ND 50 - late ND 10 - ulfonate ND 10 - ene ND 10 10 10 hb 10 - he ND 10 10 10 hb 10 - he ND 10 - he ND 10 - hb ND 10 - hb ND 10 - hb ND 10 - hb ND 10 -	3-Methylcholanthrene	ON	20	1	4				
late ulfonate ene ne	4.4-Methylenebis(2-Chloroanaline)	ND	20	uÌ.					
ulfonate ene ne	Methyl methacrylate	ON	10	1					
ene	Methyl methanesulfonate	ND	10	•					
пе	2-Methylnaphthalene	ND	10	10					
ne	Naphthalene	QN	10	10					
	1,4-Naphthoquinone	QN	10	r					
	1-Naphthylamine	QN	10	à.					
	2-Naphthylamine	QN	10	1					

As azobenzene. NR = Not recovered in spike, detection limit cannot be established. NM = Not measurable. ND = Not detected.

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D	MBI
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escrip	9 : 1 0
mple D	Inple II
	ample Description: Method Blank #1

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	S.
This sample received	a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Sample Collected: -Date Tested: 9/22/86

iemi-Volatiles (Extractables)	ng/L	I.D.L.	L.D.L.	Surr.	Blank	Spike Blank %	Matrix	Matrix Spike %	Matrix % Spike Dup.
iase/Neutrals (Cont'd)									
-Nitroaniline	ND	20	20					•	
Nitroaniline	ND	20	20						
-Nilroaniline	ON	20	20						
Vitrobenzene	ND	10	10						
4-Nitrosodi-n-butylamine	ND	10	r.						
J-Nitrosodiethylamine	ND	10							
1-Nitrosodimethylamine	ND	10	10						
1-Nitrosomethylethylamine	ON	10	ı						
1-Nitrosodiphenylamine ^D	QN	10	10						
I-Nitrosomorpholine	ND	10	1						
1-Nitrosopiperidine	ON	10	ą						
1-Nitrosopyrtolidine	ND	10	t						
-Nitro-o-toluidine	ND	10	ď						
entachlorobenzene	QN	10	3						
entachlorónitrobenzene	ND	80	•						
henacetin	ND	10	,						
henanthrene	ON	10	10						
-Picoline	ND	10	1						
ronamide	ND	20	t						
yrene	ND	10	10						
afrole	ND	10	v						
2.4.5-Tetrachlorobenzene	ND	10	1						
,2,4-Trichlorobenzene	ON	10	10						
ris(2,3-dibromopropyl)phosphate	Z	1	į						

NM = Not measurable.

ND = Not detected.

As diphenylamine.

The state of the s	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matr
emi-Volatiles (Extractables)	110/I.	LDL	LDI	ð	Solle	Blank OK	Gailes	Mich

No X

This sample received a Matrix Spike? Yes

Sample Description: Method Blank #1 Sample ID #: 61954-MB1

Facility Name: RMAL

Analyst: Kimberly Zili: Date Sample Collected: Date Tested: 9/22/8

Spike Dup. Matrix %

Additional Compounds ND 10 10 Berzyl alcohol ND 10 - Malononitrile ND 10 - And Organics ND 10 - Acid Organics ND 10 - Acid Organics ND 10 - 2-Charophenol ND 10 10 0-Cresol ND 10 10 4-Nitrophenol ND 10 10 2-Dichlorophenol ND 10 10 2-Dichlorophenol ND 50 50 2-Dinitrophenol ND 50 50 2-Dinitrophenol ND 50 50 Phenol ND 50 50 2-Jointrophenol ND 10 10 Resorcinol ND 10 10 Resorcinol ND 10 10 2-4,5-Trichlorophenol ND 10 10 2-4,5-Trichlorophenol	Semi-Volatiles (Extractables)	Cone. ug/L	Instru. L.D.L.	Method L.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	- 50
	Additional Compounds									
	Benzyl alcohol	ND	10	10	a.					
	3-Chloropropionitrile	ND	10	ì						
2 222222222222222	Malononitrile	QN	20	1						
	Pentachloroethane	ND	10	Ĺ						
	Acid Organics									
	2-Chlorophenol	ND	10	10						
	o-Cresol	QN	10	10						
	m/p-Cresol	ON	10	10						
	4-Nitrophenol	ND	20	20						
	2,4-Dichlorophenol	QN	10	10						
	2,6-Dichlorophenol	ON	10	1						
	2,4-Dimethylphenol	ND	10	10						
	4,6-Dinitro-o-cresol	ON	20	20						
	2,4-Dinitrophenol	QN	20	20						
	Pentachlorophenol	QN	20	20						
	Phenol	QN	10	10						
	Resorcinol	ON	10	t						
	2,4,5-Trichlorophenol	QN	20	20						
	2,4,6-Trichlorophenol	ON	10	10						
	2,3,4,6-Tetrachlorophenol	ND	20	1						
	2-Nitrophenol**	QN	10	10						
	Benzoic acid	ON	20	20						

^{**}Not measurable by this method; measurable as heated purge & trap volatile. J = Tentative value reported below detection limit. ND = Not detected.

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Blank	
hod	MBI
	61954-MB1
Descrip	
ample I	In along
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	S.
This sample received	a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Sample Collected: -Date Tested: 9/22/86

omi-Volatiles (Patractables)	Cone.	Instru.	Method Surr.	Surr.	Blank	Spike Blank %	Matrix	Matrix Snike 96	Matrix %
fancian and policy and a second							241	a and	day and
urrogates								.0	
henol-D _E	92	1	ŗ	48					
Fluorophenol	94	1	1	7.4					
,4,6-Tribramophenol	127	1	1	64					
5 Nitrobenzene	69	1	ţ.	69					
Fluorobiphenyl	64	1	1	64					
crphenyl-D14	11	ı	Ţ	11					
Jatrix Spikes									
,2,4-Trichlorobenzene	· ·	jį.	1	ì					
cenaphthene	ř	(V	0					
,4-Dinitrotoluene	P.	t	ı	ů.					
ni-n-butyl Phthalate	4	4	į	4					
yrene	i	Ĺ	T.	ı					
Nitroso-Di-n-Propylamine	ì	•	1	ì					
,4-Dichlorobenzene	Ā	í	ŀ	į.					
entachlorophenol	ú	í	O.	'n					
henol	q.	i	ij	ı					
Chlorophenol	t	•	ŗ	ī					
Chloro-3-Methylphenol	i e	4	1	ę					
Nitrophenol	Ĉ.	ľ	ŗ	ť					

Facility Name: RMAL Sample Description: Method Blank #1 Sample ID #: 61954-MB1

No X a Matrix Spike? Yes This sample received

Analyst: Hallie Hotchkis: Date Sample Collected: Date Tested: 10/4/86

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Pesticides	7/8n	L.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Aldrin	QN	0.05	0.05						
Isodrin (aldrin isomer)	ND	0.01	T						
Chlordane	QN	0.5	0.5						
ODD	ND	0.1	0.1						
DDE	ND	0.1	0.1						
DDT	QN	0.1	0.1						
Dieldrin	ND	0.1	0.1						
Thionazin (zinophos)*	t								
Endosulfan I	ND	0.02	0.02						
Endosulfan II	QN	0.1	0.1						
Endosulfan sulfate	QN	0.1	0.1						
Endrin	ND	0.1	0.1						
Endrin aldehyde	QN	0.1	0.1						
Endrin Ketone	ND	0.1	0.1						
Heptachlor	ND	0.02	0.05						
Heptachlor epoxide	QN	0.02	0.02						
Alpha IIIC	QN	0.05	0.05						
Beta BIIC	ND	0.05	0.05						
Gamma BilC	ON	0.05	0.02						
Delta BHC	ND	0.02	0.05						
Kepone	ND	90.0							
Methoxychlor	ON	0.05	0.02						
Toxaphene	QN	1.0	1.0						
Arocior 1016	ON	0.5	0.5						
Aroclor 1221	ON	0.5	0.5						
	QN	0.5	0.5						
_	ND	0.5	0.5						
Aroclor 1248	ND	0.5	0.5						
Aroclor 1254	QN	1.0	1.0						
Aroclor 1260	ON	1.0	1.0						

*Measured as an organophosphate. ND = Not detected. NA = Not analyzed.

149

Method	escription: Me

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	No
This sample received	a Matrix Spike? Yes

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-2	Date Sample Collected:	8
×	ä	=
=	a	~
O	-	0
=	2	-
2	0	
-	=	**
43	0	3
-	C	-
=	-	92
3	9	a
=	d	-
	=	-
-	=	9
=	35	d
32	44	0
-	a	-
8	-	
=	2	
⋖		

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
ut La I de a	1/zn	L.D.L.	L.D.L.	98	Spike	Blank 96	Spike	Bpike %	Spike Du

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Dibutyl chlorendate

Surrogule

Dieldrin Endrin 4,4'-DDT Lin ž

NI) = Not detected.

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	l pou	
AL	Metho	-MB
RMAL.	ions	61954-MI
Name:	script	#: 61
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Pacility	Sample	Sample
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	Š
This sample received	a Matrix Spike? Yes

Analyst: Diane Lowr Date Sample Collected: Date Tested: 10/2/8

Herbleides	Conc.	Instru. L.D.L.	Method I.D.L.	Surr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %	Matrix & Spike Dup
2.4-1)	GN	0.2	0.5						
2,4,5-T	QN	0.1	0.5						
2.4.5-TP (silvex)	ND	0.1	0.1						

Surrogate

2,4-DB

88

¢

NI) = Not detected.

	11	
	Blank	
\I;	Method	-MB1
: RMAL	ioni	954
Names	Descript	10 #: 61
Fucility	Sample	Sample

	×
	No
his sample received	Matrix Spike? Yes
=	8

Analyst: Marilyn William: Date Sample Collected: Date Tested: 9/11/80

Organophosphorus Pesticides	Cone.	Instru.	Method L.D.L.	Surr.	Spike	Spike Blank %	Matrix	Matrix Spike %	Spike Dup.
	C	01	-						
Marthyl Parallilon	QN	1.0	ı						
Partition	ND	1.0	0.1						
Sufferen (tetraethy) dithiopyrophosphate)	ND	1.0	1						
Pamphur (phosphorothiole acid ester)	ND	2.0	1						
Phorate (phosphorodithioc acid ester)	ND	1.0	t						
Dimethoate	ND	2.0	j						
Thionazin	ND	2.0	ą.						
Spike Compounds									
Dimethoate	9.6	4	-1	ı	10	86%			
Distilfoton	13	1	į	k	10	130%			
Methyl Parathlon	14	b	ì	j.	10	138%			
Paculhion	14	ı))	10	140%			
Phorate	13	i	1	ı	10	134%			

Facility Name: RMAL Sample Description: Method Blank #1 Sample ID #: 61954-MB1

This sample received a Matrix Spike? Yes No X

Analyati Dave Roberti.
Date Sample Collected:
Date Tested: 9/21/86

		Total	Total Metals			Dissolved Metals	d Metals	
Metals	Conc.	L.D.L.	Spike %	Blank	Conc.	L.D.L.	Spike %	Blank
Africanianam	CZ	50			ND	20		
Andimon	CN	2			ND	2		
Assession	ND	1 64			ND	2		
Barium	ND	co.			ND	co.		
	N.				QN	1		
Heryllium		• •			CN	4		
Cadmium		100			ND	100		
Chromium	ND	2			ND	ro.		
					MN	e		
Cobalt	Q N	90			CN	9 07		
Copper	22	200			QN	90		
Iron	CN	20			ND	20		
Tiener.								
Magnesium	ND	100			ND	100		
Munganese	ON	S			QN	co		
Mercury	ON	0.1			QN	0.1		
Niekel	ND	10			QN	10		
	O IX	20			UN	20		
Osmium	ND	200						
Phosphorus as P	NIN.	006			CN	300		
Potassium	NIN	000			CN.	40		
Selenium	NI	0.5						
100	GN	6			ND	62		
Suling	QN	20			QN	20		
Strontium	ON	co			GN			
Thellium	ND	*			ND	4		
					MIN	30		
Th		30				2 64		
Vanadium		44			ND	7		
21116	200							
					ů.			

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	Blank	
I.	poul	MBI
RMA	ions	954-1
Name: RMAL	Descript	ID #: 61
Facility	Sample D	Sample

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	No
This sample received	a Matrix Spike? Yes

Date Sample Collected:

Group	Cone.	L.D.L.	Spike %	Blank	Analyst	Date Tested	
	i						
Anions						¥	
Cyanide	ND	10	•	ģ	Anne Lang	10/2/86	
Saifide	ON	20	T.	i	Lindsey Breyer	9/2/86	
Fluoride	ND	100	1	ì	Chuck Wibby	9/16/86	
Formaldehyde	ND	100		i	Amy Ballow	9/29/86	
Dioxing							
Tetra CDD	ND	.60		ì	Robert Mitzel	9/11/86	
Tetra CDF	ND	.35	1)	Robert Mitzel	9/11/86	
Penta CDD	ND	2.0	T.	ı	Robert Mitzel	9/11/86	
Penta CDF	ND	2.4	T	1	Robert Mitzel	9/11/86	
Hexa CDD	ND	1.5	ì	ř	Robert Mitzel	9/11/86	
Hexa CDF	ND	0.85	1	í	Robert Mitzel	9/11/86	
2,3,7,8 TCDD	ND	0.60	* 98 88	Ţ	Robert Mitzel	9/11/86	

ND = Not detected. $^*CL_{3T}$ -TCDD Spike.

Facility Name: RMAL Sample Description: Method Blank #2 Sample ID #: 61954-MB2

This sample received a Matrix Spike? Yes No X

Analyst: Aldan Ridle Date Sample Collected: Date Tested: 9/16/8

	Cone.	Instru.	Method	Burr.	Blank	Spike	Matrix	Matrix	Matrix %
Volatile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup
Acetonitrile	QN	10	ń				-		
Acelone	883	10	10						
Benzene	ON	9	us.						
Bromodichloromethane	ND	2	io.						
Methyl Bromide (Bromomethane)	GN	10	10						
Curbon disulfide	ND	co	co.						
Chlorobenzene	ND	S	S						
Chlorodibromomethane	QN	2	ro						
Chloroethane	ON	10	10						
Chloromethane	ON	10	10						
2-Chloroethyl vinyl ether	ON	10	10						
Chloroform	ON	co.	LO.						
3-Chloropropene	ND	LO	1.1						
2-Chloro-1,3-butadiene	QN	9	i						
1.2-Dibromo-3-chloropropane	QN	sy.	î						
1,2 Dibromoethane	QN	2	j.						
Dibromomethane	ON	2	1						
1,4-Dichloro-2-butene	ND	S	t						
Dichlorodifluoromethane	GN	S	t.						
1, 1 Dichloroethane	ON	co	O						
1,2-Dichloroethane	ND	S	63						
truns-1,2-Dichloroethylene	ON	S	S						
1,1-Dichloroethylene	QN	2	G						
1,4-Dioxane	ND	10	Ğ.,						

B = Compound was found in the blank. J = Tentative value reported below detection limit. NI) = Not detected. al Laboratory

Georgia Environmental Protection Division

Sample Description: Method Blank #2 Sample ID #: 61954-MB2 Facility Name: RMAL

No X a Matrix Spike? Yes This sample received

Analyst: Aldan Ridle, Date Sample Collected: Date Tested: 9/6/80

	Conc.	Instru.	Method	Burr.	Blank	Spike	Matrix	Matrix	Mairia %
Voluille Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup.
Methylene Chloride (Dichloromethane)	283	O	ıa						ŀ
1.2-Dichloropropane	ON	co	co.					•	
els-1,3-Dichloropropene	ON	2	2						
trans-1,3-Dichloropropene	QN	2	cs						
Ethyl benzene	ND	c	2						
2 butanone (MEK)	15B	10	10						
Indomethene	UN	us	i						
Methodylogitile	ND	ıc	1						
4-Methyl-2-pentanone	QN	10	10						
Pentuchlorothane	1	1	į						
Slyrene	UN	co	9						
1,1,1,2-Tetrachloroethane	ND	co	j						
1 1 9 9-Telrachloroethane	QN	LO.	us	1					
Titte phonographene	ON	2	co.						
Carlyn Tetrachloride	QN	2	2						
Toluene	ON	מו	ß						
Bromoform (Tribromomethane)	ON	S	S						
1,1,2-Trichloroethane	ND	S	co						
1 1.1-Triphoroethane	ON	S	2						
Trichloroethylene (Trichloroethene)	ON	2	2						
Trichloro Inoromethane	ND	2	•						
1.2.3 Trichloropropane	ON	2	1						
Vinyl acetate	GN	10	10						
Vinyl chloride	QN	9	us						
		•	,						
Xylene (total)		00	a 1						
2-Niropropane	QN	100	i						

ND = Not detected. *Not measurable by this method; measurable as semivolatile. J = Tentalive value reported below detection limit. B = Compound was found in the blank.

Analyst: Aidan Ridle: Date Sample Collected:

Date Tested: 9/16/8

Georgia Environment, Protection Division

a Matrix Spike? Yes No X

This sample received

Sample Description: Method Blank #2 Jucility Name: RMAL

ND 5 5 S Spike Blank % Spike Spike & Spike % S		Cone.	Instru	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
50 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Volutile Organics (P. & T.)	ng/L	L.D.L.	L.D.L.	*	Spike	Blank %	Spike	Spike %	Spike Dup.
50 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Additional Compound									
50 101 50 100 48 97 52 87 50 - 50 51 50 51 50 51 50 50 50	Morobenzene	ND	s.	ç						
50 - 101 48 - 100 52 - 7 48 - 7 50 51 - 7 50 51 - 7 50 50 51 - 7 50 50 50 50 50 50 50 50	inrogules									
50 52 53 51 54 55 56 57 58 50 50 51 50 50 50 50 50 50 50 50 50 50	Poluene-do	20	ā	ı	101					
52 52 48 53 51 51 50 54 55 50	l Bromofluorobenzene	20	- 6	ī	100					
52 50 48 50 53 50 51 50 48 50	1,2-Dichloroethane-d4	. 48	· ·	į	26					
52 50 48 50 53 50 51 50 48 50				1						
52 50 48 50 53 50 51 50 48 - 50	Mutrix Spikes									
50 50 50 50 50 50 50 50 50 50 50 50 50 5	I, I-Dichloroethene	52	1	4				20	104%	
53 50 51 50 48 50	Prichloroethene	48	9	J				20	9886	
51 50	Marobenzene	53	į	9				20	106%	
48 50	Poluene	51	V	Ţ				20	102%	
	Jenzene	48		ı				90	9696	

	13	
	Blank	
1	Method	2
RMA	ion:	1954-0
Name:	Descrip	11) #: 6
Facility	Sample	Sample
Fucility Name: R	Sample Description	ole 11) #: 61

	×
	No
This sample received	a Matrix Spike? Yes

Analyst: Aldan Ridle: Date Sample Collected: Date Tested: 9/8/8:

	Conc.	Instru.	Method	Burr.	Blank	Spike	Matrix	Matrix	Matrix %
Volutille Organics (Heated P. & T.)	ng/I.	L.D.L.	L.D.L.	28	Spike	Blank %	Spike	Spike %	Spike Dup
Acrolein	ND	20	ď.		200	103%			
Acrylonitrile	ON	20	ì		200	104%			
Allyl alcohol	QN	20	r		200	9666			
Benzylalcohol*	1	3	i		1	1			
3 Chloropropionitrile*	1	i			1	1			
1,4-Dioxane	ND	10	į		200	85%			
Ethylene oxide	NR	1	i		ı	,			
Ethylmethacrylate	ND	10	Þ		200	125%			
Isobutyl Alcohol	38	100	1		200	100%			
2-Propyn-1-ol	NR	í	ı		200	960			
Malononitrile*	4	i	1		ľ	1			
Methyl ethyl ketone	15B	10	4		200	105%			
Pyridine	22B	10	ı İş		200	87%			
Trichloromethanethlol	WW	¥-	1		i.	í			
Surrogates									
Tolinene-Do	09	1	ì	120	Ť	İ			
4-Bromofluorobenzene	44	1	ì	88	1	20			
1,2-Dichloroethane-D4	38	ı	÷	75	1	è			

NM = Not measurable. *Not measurable by this method; measurable as semivolatile. B = Compound was found in the blank. ND = Not detected. NM = Not measurable. *Not measurable by NR = Not recovered in spike, detection limit cannot be established.

Sample Description: Method Blank #2 Sample ID #: 61954-MB2 Facility Name: RMAL

No X This sample received a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Sample Collected: -Date Tested: 9/23/86

	Cone	Instru	Mathod	Russ	Blank	Rolles	Matrix	Matrix	Mairie Q.
Semi-Volatiles (Extractables)	.1/8n	1.D.L.	L.D.L.	8	Spike	Blank %	Spike	Spike %	Spike Dup.
Base/Neutrals									
Aceognhlhene	QN	10	10				×	•	
Acenaphthalene	QN	10	10						
Acetonitrile**	1	1	į						
Acetophenone	QN	10	1						
2-Acetylaminofluorene	QN	20	je.						
4-A minobiohenvi	ND	10	VI.						
Anthracene	QN	10	10						
Aniline	QN	10	10						
Aramite	CN	20	t						
Benz(a)anthracene	QN	10	10						
Henzenethiol	NR	i	1						
Benzidine	QN	80	80						
Denzq(k)fluoranthene	QN	10	10						
Benzo(b)fluoranthene	QX	10	10						
Henzo(g,h,i)perylene	ND	10	10						
Benzo(a)pyrene	ND	10	10						
p Benzoquinone	CIN	100	1						
Bis(2-Chloroethoxy)methane	ND	10	10						
Bis(2-Chloroethyl)ether	ND	10	10						
His(2-Chlorofsopropyl)ether	ND	10	10						
Ris/2-athylhaxyllohthalata	38.3	10	10						
4-Bromophenyl phenyl ether	ND	10	10						
Butyl benzyl phthalate	QN	10	10						
2-see-Butyl-4, 6-dinitrophenol		100	101						
p.Cinorogining			2						

NR = Not recovered in spike, detection limit cannot be established. ND = Not detected.

Date Sample Collected: Date Tested: 9/23/80

No X

This sample received a Matrix Spike? Yes

Facility Name: RMAL Sample Description: Method Blank #2 Sample ID #: 61954-MB2

Analysti Klimberly Zili.

Matrix % Spike Dup.

Georgia Environmental Protection Division

Semi-Volatiles (Extractables)	Conc. ug/l.	Instru. L.D.L.	Method I.D.L.	Burr.	Blank Spike	Spike Blank %	Matrix Spike	Matrix Spike %
Base/Neutrals (Cont'd)								
Chlorobenzene	r	ì	į					
o Dichlorobenzene	ON	10	10					
m Dichlorobenzene	ON	10	10					
p Dichlorobenzene	QX	10	100					
Towns of business to a superior to the superio								
2 Chloropaphthalene	ND	10	10					
Cheusene	QN	10	10					
Dibong (a blanthracene	ON	10	10					
Dibenzofuran	ND	10	10					
Dibenzo(a,e)pyrene	NN	Ü	ì					
Dillango(a bloyrene	×	-1	q					
Dibango(a ilourana	WX	1	ı					
Discharty obthalate	183	10	10					
3 3'-Dichlorobenzidine	ON	20	20					
3,3- Dimethoxybenzidine	ND	80	ì					
7 1- Dimathylhanzidina	QN	80	1					
Diethyl ohthelate	ON	10	10					
n-Dimethylaminoszobenzene	ND	10	1					
7 19 Dimethylbenz/alanthracene	QN	10	Ġ					
a,a - Dimethylphenethylamine	ND	10	•					
Dimethyl ohthalate	ND	10	10					
m-Dinitrobenzene	QN	10	1					
2.4-Dinitrotoluene	ON	10	10					
2,6-Dinitrotoluene	ON	10	10					
Di-n-octyl phthalate	ND	10	10					

NM = Not measurable.

ND = Not detected.

*Not measurable by this method; measurable as volatile.

Sample Description: Method Blank #2 Sample ID #: 61954-MB2 Facility Name: RMAL

No X a Matrix Spike? Yes This sample received

Analyst: Kimberly 2ill Date Sample Collected: Date Tested: 9/23/8

	Cone.	Instru.	Method	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Semi Volutiles (Extractables)	ng/L	L.D.L.	L.D.L.	R	Spilke	Blank %	Spike	Spike %	Spike Dur
Hase/Neutrals (Cont'd)									
Diohenylamine	ND	10	10						8
1,2 Diphenylhydrazine	ON	10	10						
Di-n-propyfuitrosamine	QN	10	10						
Fluoranthene	QN	10	10						
Fluorene	QN	10	10						
Hexachlorobenzene	UN	10	10						
Hexachlorobutadiene	ND	10	10						
Hexachlorocyclopentadiene	QN	10	10						
Hexachloroethane	GN	10	10						
Hexachlorophene	NR	ú	t						
Hexachloropropene	ND	20	i						
Indeno(1,2,3-ed)pyrene	QN	10	10						
Isophorone	GN	10	10						
Isosafrole	ON	20	ì						
Melphalan:	W	ť	•						
Methapyrilene	ND	10							
3 Methylcholanthrene	ON	20	1						
4,4 Methylenebis(2-Chloroanaline)	ND	20	ì						
Methyl methacrylate	QN	10	•						
Methyl methanesulfonate	ND	10	1						
2-Methylnaphthalene	QN	10	10						
Nuphthalene	CIN	10	10						
1,4-Naphthoquinone	GN	10							
2 Naphthylamine		25							
a daliming taming		2							
									1

As azobenzene. NR = Not recovered in spike, detection limit cannot be established. As azoby NT = Not on Appendix IX; compound has not been tested. ND = Not detected. NM = Not measurable

Sample Description: Met	-41

This sample received a Matrix Spike? Yes No X

Analyst: Kimberly Zilis Date Sample Collected: Date Tested: 9/23/86 Matrix % Spike Dup.

aniline aniline aniline sodi-n-butylamine sodiethylamine sodimethylamine somethylethylamine somorpholine sopyrrolidine lorobenzene lorobenzene lorobenzene lorohltrobenzene stin hrene			DINE	DIBUK 76	Spike	Spike %
butylamine nylamine thylamine nylethylamine enylamine sholine olidine idine trobenzene						
butylamine nylamine thylamine nylethylamine enylamine sholine olidine idine rzene rzene	20	. 20				
butylamine tylamine thylamine tylamine tylamine tylethylamine tylethylamine tridine tidine trobenzene trobenzene	20	20				
	00.					
	10	1				
	10	j				
	10	10				
	10					
	10	10				
nzene	10	1				
nzene	10	1				
zene	10	í				
nzene	10	· ·				
zene	10	į				
ane.	80	į.				
ane	10	1				
	10	10				
	10	4				
	20					
	10	10				
Sulfole	10	ýr.				
Tetrachlorobenzene	10					
1,2,4-Trichlorobenzene	10	10				
phate	1	i				

bAs diphenylamine. ND = Not detected. NM = Not measurable.

Facility Name: RMAL. Sample Description: Method Blank #2 Sample ID #: 61954-MB2

No X This sample received a Matrix Spike? Yes

Analyst: Kimberly Zill Date Sample Collected: Date Tested: 9/23/8

1.D.L. L.D.L. % Splke I 10 10 10 10 10 - 10 10 10 10 10 10 10 10 10 10 10 - 10 10 10 10 10 - 10		Conc.	Instru.	Method	Burr.	Blank	Spike	Matrix	Matrix	Matrix %
ND 10 10 10 10 10 10 10 1	Semi Volatiles (Extractables)	ng/L	L.D.L.	L.D.L.	%	Spike	Blank %	Spike	Spike %	Spike Dup
ND 10 name ND 10 name ND 10 name ND 10 name ND 10 name ND 10 nend ND 10 nol ND 10 nol ND 50 enol ND 50 enol ND 50 nol ND 50 nol ND 10 nol ND 50 nol ND 10 nol 10 10 nol 1	Additional Compounds			8,						
naitrile	Benzyl alcohol	ND	10	10						
Itrile	3-Chloropropionitrile	ON	10							
senies ND 10 qualics ND 10 phenol ND 10 sol ND 10 henol ND 10 lorophenol ND 10 lorophenol ND 10 tro-o-cresol ND 50 tro-orcesol ND 50 tro-orcesol ND 50 tro-orcesol ND 50 corophenol ND 50 ichlorophenol ND 10 ichlorophenol ND 10 fetrachlorophenol ND 50 fetrachlorophenol ND 50 fetrachlorophenol ND 50	Malononitrile	UN	20							
Soliton Soli	Pentachloroethane	ND	10	j.						
Solution Solution	Acid Organics									
sol ND 10 henol ND 10 lorophenol ND 10 sthylphenol ND 10 sthylphenol ND 50 tro-o-cresol ND 50 trophenol ND 50 tol ND 50 iol ND 10 ichlorophenol ND 50 ichlorophenol ND 10 henol** ND 10 acid ND 10 ND 10 ND 10 ND 10 ND 10 Acid ND 10 ND 50 ND 10 ND 50 ND 10 ND 10 ND 10 ND 50 ND 50 ND 50 ND 50 ND	2-Chlorophenol	ND	10	10						
ND 10 10 10 10 10 10 10 1	o-Cresol	QN	10	10						
ND S0 S0 S0 S0 S0 S0 S0 S	m/p-Cresol	QN	10	10						
phenol ND 10 phenol ND 10 phenol ND 50 reresol ND 50 henol ND 50 henol ND 10 rophenol ND 50 rophenol ND 50 chlorophenol ND 10 i+** ND 10 I*** ND 50	4 Nitrophenol	ND	20	20						
ND 10 10 10 10 10 10 10 1	2,4-Dichlorophenol	ND	10	10						
Phenol	2,6 Dichlorophenol	ND	10	1						
refesol ND 50 henol ND 50 henol ND 10 henol ND 10 rophenol ND 50 rophenol ND 50 reliarophenol ND 50 l**	2,4-Dimethylphenol	QN	10	10						
renol ND 50 henol ND 50 rophenol ND 10 rophenol ND 50 reliorophenol ND 20 reliorophenol ND 20 reliorophenol ND 50	4,6-Dinitro-o-cresol	ND	20	20						
henol ND 50 ND 10 ND 10 rophenol ND 50 chlorophenol ND 20 l** ND 10 ND 10 ND 50 ND 50	2,4-Dinitrophenol	QN	20	20						
ND 10 rophenol ND 50 rophenol ND 10 chilorophenol ND 20 il** ND 50 ND 50 ND 50	Pentachlorophenol	ON	50	20						
rophenol ND 10 rophenol ND 10 deliorophenol ND 20 il** ND 10 ND 10 10 ND 50 50	Phenol	ON	10	10						
rophenol ND 50 rophenol ND 10 retilorophenol ND 20 retilorophenol ND 20 it** ND 50	Resorcinol	ND	10	•						
rophenol ND 10 chlorophenol ND 20 l** ND 10 ND 50	2,4,5-Trichlorophenol	ND	20	20						
defilorophenol ND 20	2,4,6 Trichlorophenol	ND	10	10						
0N 10 NO 50	2, 3, 4, 6 Tetrachlorophenol	QN	20	i						
ND 60	2-Nitrophenol**	ON	10	10						
	Benzoic acid	ND	20	20						

^{**}Not measurable by this method; measurable as heated purge & trap volatile.

NI) = Not detected. J = Tentative value reported below detection limit.

Facility Name: RMAL Sample Description: Method Blank #2 Sample ID #: 61954-MB2

No X This sample received a Matrix Spike? Yes

Analyst: Kimberly Zilis Date Tested: 9/23/86 Date Sample Collected:

	Cone.	Instru.	Method Surr.	Surr.	Blank	Spike	Matrix	Matrix	Matrix %
Semi Volatiles (Extractables)	1/8n	1.D.f.	I.D.I.	*	Spike	Blank %	Spike		Spike Dup.
Surrogates									
Phenol-D5	92	i.	á	38					
2-Fluorophenol	69	1	ķ	34					
2, 4, 6-Tribromophenol	81	1	9	40					
d 5 Nitrobenzene	39	k	1	38					
2-Fluorobiphenyl	39	1	1	39					
Terphenyl-D14	44	i	ű.	44					
Matrix Spikes									
1,2,4-Trichlorobenzene	1	ķ	ď.	J					
Acenaphthene	1	1	q.	Ŷ					
2,4-Dinitrotoluene	ì	i	'n	i					
Di-n-butyl Phthalate	1	ŀ)	ì,					
Pyralle	è	i	1	1		į			
N-Nitroso-Di-n-Propylamine	į	1	ì	i					
1,4-Dichlorobenzene	à	ì	1	Ģ.					
Pentachlorophenol	í	ı	t.	è					
Phenot	Î	1	1	1		2			
2-Chlorophenol)	þ	à		-				
4-Chlaro-3-Methylphenol	Ĺ	į	1	ī	•	~			
					1				

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1 1

1-Nitrophenol

APPENDIX C-5

ISS Monitoring Results
June 25, 1987

ADVANCED TECHNOLOGY DIVISION

A Division of Economics Laboratory, Inc. 605 West County Road E. St. Paul, MN 55112, (612) 482-8855

November 29, 1982 .

Mr. Robert Balducci Torrington Bearing Company P. O. Box 1667 Sylvania, Georgia 30467

Re: Groundwater Sampling Data for the Monitoring Wells at the Sylvania Facility

Dear Mr. Balducci:

At your request, we have attached the results for the initial ground-water sampling performed February 8 and 9, 1982, at the Sylvania facility. The initial groundwater sampling was performed in order to fulfill the agreement made with the Georgia Department of Natural Resources (GDNR) when the monitoring wells were installed. The parameters analyzed consisted of those on the general GDNR list. The GDNR agreed to send a letter to Torrington specifying the appropriate parameters and a monitoring frequency.

The attached results, including the analysis of TOX and TOC (indicator parameters for organic contaminants) were completed. The only high values noted were for TOX in Well No. 2 which showed concentrations of 14 to 15 mg/l. Well No. 2 was resampled and analyzed for the volatile and base/neutral priority pollutant fractions by GC/MS. The GC/MS analyses showed no significant concentrations of trace organic contaminants in the well. Therefore, we conclude that the TOX value (14 to 15 mg/l) was an anomalous value. Only the volatile and base/neutral fractions were analyzed by GC/MS since the total phenol concentrations (acid fraction) were low and it was not likely that significant concentrations of acid fraction priority pollutants would be detected if the analyses were performed.

I trust that the attached material provides you with the required information. If you have any questions regarding the attached information or if we can be of further assistance to you in this matter, please do not hesitate to contact our office.

Sincerely,

RANT & ROLLIES

Robert J. Kadwell, P.E., CPG

Manager of Engineering

RJK:ch

Attachments

DATE: February 19, 1982

TO: Bob Kadwell

FROM: Henry Wilson

RE: Groundwater Sampling

Trip Log:

Groundwater Sampling at Torrington Bearing Plant Sylvania, GA

Date of Sampling:

February 8 & 9, 1982

Torrington Personnel Assisting:

Ross Knight, Plant Engineering

Equipment Used:

Glass bailer, vacuum pump, vacuum flask.

Sampling Procedures:

At each well, the glass bailer was first used to remove samples for Total Organic Carbon and Total Organic Halogen analyses. The vacuum pump was then used with the vacuum flask to remove the samples for the other parameters being tested (metals, phenols, cyanide, cold, herbicides, pesticides). The upgradient well (W-l) was sampled first, then W-3, W-2, and W-4. All sampling equipment was triple-rinsed with deionized water before the next well was sampled.

Available Data and Observations:

pH and specific conductance readings were taken at the site and were as follows:

Well #	рН	Spec. Cond. (umhos)
W - 1	4.65	67
W - 2	6.1	33
W - 3	5.3	800
W - 4	6.2	90

Page Two Groundwater Sampling

Well Water Levels:

Readings were taken from the top of the standpipe to the top of the water column before sampling.

W - 1 10'1" W - 2 9'9"

W - 3 7'0" W - 4 19'1"

Wells W-1 and W-3 showed little significant drop in water level during pumping.

Well W-2 was pumped dry before enough water was obtained to finish sampling. The approximate recharge rate was 0.51/hr. Sampling was finished the next morning.

Well W-4 was pumped dry after approximately 4.5% were removed. It was allowed to recharge overnight and yielded approximately 0.5% at that time. I asked Ross Knight to pump the well again to obtain the additional necessary samples. He did this on February 18, and removed approximately 2.5% before the well was pumped dry. Very little rainfall occurred between February 9 and February 18th in the Sylvania area.

CC: Tari Ron Steve

Geo
Sylvania,
Company,
Ingersoll-Rand
TO:
ANALYSIS
OF
REPORT

DATE SAMPLES SUBMITTED: February 19, 1982

	Well #1 Capsule #11884	Well #2 Capsule #11885	Well #3 Capsule #11886	Well #4 Capsule #11887
Furnace AA Arsenic	<1 ug/1	<1 ug/1	11 ug/1	39 uq/l :
Flame AA Barium	<0.1 mg/1	<0.1 mg/1	<0.1 mg/1	<0.1 mg/1
Flame AA Cadmium	<0.01 mg/l	<0.01 mg/1	<0.01 mg/l	<0.01 mg/1
Flame AA Chromium (Total)	<0.05 mg/1	<0.05 mg/1	<0.05 mg/1	<0.05 mg/1
XF1uoride	<0.5 mg/l	<0.5 mg/1	<0.5 mg/1	<0.5 mg/l
Flame AA Lead	<0.2 mg/1	<0.2 mg/1	<0.2 mg/1	<0.2 mg/1
Flame AA Mercury Cold Vapor	<0.2 ug/1	<0.2 mg/1	<0.2 mg/1	0.4 uq/1
*Technicon Nitrate-Nitrite	5.0 mg/1	1.6 mg/1	4.2 mg/1	0.22 mg/l
Furnace AA Selenium	3 ug/1	<2 ug/1	2 ug/1	4 ug/1
Flame AA Silver	<0.01 mg/1	<0.01 mg/1	<0.01 mg/1	<0.01 mg/1
Technicon Chlorides	10 mg/1	7 mg/1	390 mg/l	3 mq/1
Flame AA Iron	0.70 mg/1	4.0 mg/l	0.69 mg/l	13 mg/1
Flame AA Manganese	0.05 mg/1	0.04 mg/l	0.21 mg/1	0.03 mg/l
Phenol - Indirect	1.6 ug/1	6.6 ug/1	5.2 ug/1	1.4 uq/1
X Flame AA Sodium	4.8 mg/1	2.7 mg/l	170 mg/l	16 mg/1
Technicon Sulfate	3.5 mg/1	<1 mg/1	12 mg/1	<1 mg/1
pH Measurement	4.7	6.1	5.3	6.2
Conductivity	67 umbos/cm	33 umhos/cm	800 umhos/cm	90 umhos/cm
* Coliform	0.5 organisms/ml			

< denotes concentrations below EPA detection limits.



1 -

Report of Analyses To:

Ingersoll-Rand, Sylvania, Georgia

Date Samples Submitted: February 19, 1982

PRIORITY POLLUTANT ANALYSIS (Pesticides)

,	Well #1 Capsule #11884	Well #2 Capsule #11885	Well #3 Capsule #11886	Well #4 Capsule #11887
2,4-D	<10	<10	<10	
2,4,5-TP (Silvex)	<1	<1	<1	
Lindane	<0.02	<0.02	<0.02	
Endrin	<0.4	<0.4	<0.4	
Methoxychlor	<10	<10	<10	
Toxaphene	<15	<15	<15	

Concentrations expressed in parts per billion (ug/1). < denotes concentrations below EPA detection limits.

TABLE OF RESULTS

Parameter	Units	Detection Limits	11884 Cap #W-1 (1721-01)	11885 Cap #W-2 (1721-02)	Field Blank Cap #W-5 (1721-03)	(C)	11886 Cap #W-3 (1721-05)	11887 Cap #W-4 (1721-06)
TOX - Value 1	ug C1_/1	5.0	27	14,000	QN	QN	170	13
- Value 2	ug C1 71	5.0	20	15,000	6.5	10	160	11
- Value 3	ug C1_/1	5.0	23					
- Value 4	ug C1_/1	5.0	23					
TOC - Value 1	mg/1	1.0	1.1	4.9	1.2	3.0	6.4	2.2
- Value 2	mg/1	1.0	1.1				6.2	2.8
- Value 3	mg/1	1.0	2.2					

Quality Control

Analysis of standards containing known concentrations of chlorine and quadruplicate analyses of samples are routinely performed. A summary of data collected over the last six months is given below:

A. Analysis of Standards

Concentration of Standard (ug Cl /l)	Average % Recovery	% Std Deviation
50 100	105	12
500	104	7.5 8.8

B. Quadruplicate Analyses

Range of TOX Concentration (ug Cl7/l)	Average % Std. Deviation	% Std. Deviation of Average
5 - 10	14	66
10 - 20	18	67
20 - 100	12	54
100 - 1000	7.4	72
over 1000	8.7	30



HNICAL DATA

Report of Analyses To: Ingersoll-Rand, Sylvania, Georgia

Date Samples Submitted: May 3, 1982

WELL #2

PRIORITY POLLUTANT ANALYSIS (Volatile Organics by Purge and Trap)

	Duplicate	Capsule Log #13419	Lab Blank
chloromethane			
bromomethane			
vinyl chloride			
chloroethane			
methylene chloride	<10	<10	<10
trichlorofluoromethane			
1,1-dichloroethene	<10	<10	يساسى
1,1-dichloroethane	30	30	
trans-1,2-dichloroethene			
chloroform	<10	<10	<10
1,2-dichloroethane			
1,1,1-trichloroethane	<10	<10	<10
carbon tetrachloride			<10
bromodichloromethane			
1,2-dichloropropene	.60		
trichloroethene	<10	<10	<10
dibromochloromethane			
cis-1,3-dichloropropene			
1,1,2-trichloroethane			
benzene			
2-chloroethylvinyl ether bromoform			
tetrachloroethene	<10	43.0	396
1,1,2,2-tetrachloroethane	10	<10	<10
acrolein			
acrylonitrile			
toluene	<10	<10	-10
chlorobenzene	10	~10	<10
ethylbenzene	<10	<10	<10
and reguerie	310	~10	-10

Concentrations expressed in parts per billion (ug/1). < denotes concentrations below EPA detection limits.



TECHNICAL DATA

Report of Analyses To:

Ingersoll-Rand, Sylvania, Georgia

Date Samples Submitted:

May 3, 1982

WELL #2

PRIORITY POLLUTANT ANALYSIS - PAGE 1 OF 2
(Base/Neutrals)

Capsule Log #13419

None of the compounds listed were detected.

Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo(b) fluoranthene Benzo(k) fluoranthene Benzo(a) pyrene Benzo(g,h,i)perylene Benzidine Bis (2-chloroethyl) ether Bis(2-chloroethoxy) methane Bis (2-ethylhexyl) phthalate Bis(2-chloroisopropyl)ether 4-Bromophenyl phenyl ether Butyl Benzyl phthalate 2-chloronapthalene 4-chlorophenyl phenyl ether Chrysene Dibenzo (a, h) anthracene Di-n-butylphthalate 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene 3,3'-dichlorobenzidine Diethylphthalate Dimethylphthalate 2,4-Dinitrotoluene 2,6-dinitrotoluene Dioctylphthalate 1,2-Diphenylhydrazine

Fluoranthene Fluorene



INICAL DATA

Report of Analyses To:

Ingersoll-Rand, Sylvania, Georgia

Date Samples Submitted: May 3, 1982

WELL #2

PRIORITY POLLUTANT ANALYSIS - PAGE 2 OF 2 (Base/Neutrals)

Capsule Log #13419

None of the compounds listed were detected.

Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Hexachlorocyclopentadiene Indeno (1, 2, 3, -cd) pyrene Isophorone Napthalene Nitrobenzene N-Nitrosodimethylamine N-Nitrosodiphenylamine Phenanthrene Pyrene 2,3,7,8-Tetrachlorodibenzo-p-Dioxin

ADVANCED TECHNOLOGY DIVISION

A Division of Economics Laboratory, Inc. 605 West County Road E. St. Paul, MN 55112, (612) 482-8855

March 21, 1983

Mr. Bob Balducci Torrington Company Friendship Road P. O. Box 1667 Sylvania, Georgia 30467

Dear Bob:

Please find enclosed the results of the groundwater sampling performed February 10 and 11, 1983, at the Sylvania facility. The parameters analyzed consisted of those specified by Verona Barnes of the Georgia Department of Natural Resources.

I suggest that copies of the groundwater sampling report and Tables A and B be forwarded under your cover letter to Verona Barnes if you have no questions. If there are concerns regarding this data, please contact me at your convenience.

Sincerely,

CAPSULE LABORATORIES

Henry W Wilson, Jr.

Senior Environmental Technician

HWW:ch

Enclosures

GROUNDWATER SAMPLING REPORT

Torrington Company Location:

Sylvania, Georgia

February 10 and 11, 1983 Date:

Henry Wilson, Capsule Laborato: es Field Personnel:

Prior to sampling, the wells were pumped twice. On January 23, each well was either pumped dry or three casing volumes were removed. Pumping was accomplished by Torrington personnel. Well levels were not recorded. On February 8, the wells were again pumped. Levels prior to pumping are given below. Levels are recorded on top of two-inch PVC casing. Pumping was accomplished by Torrington personnel.

personne	Level Prior	Volume Removed (Gal.)	Total Well Depth	Number of Casing Volumes
Well #	To Pumping		24.5'	2.2
1	8' 1"	6.0	17.0	1.5
2	9' 7"	1.75 (until dry)	15.0'	1.3
3	6' 0"	2.00 (until dry)	22.0'	1.3
4	17' 6"	0.94 (until dry)	A	

Well Levels Prior to Sampling (February 10, 1983):

#1 - 8' 2"

#2 - 10' 3"

#4 - 19' 2" Well #4 was pumped dry before sampling was completed.

Well Levels 24 Hours After Sampling (February 11, 1983):

#1 - 8' 3"

#2 - 11' 7"

#3 - 9' 4" Well #4 was again pumped dry before sampling could be completed. Well was allowed to recharge for two #4 - 20' 10" days and enough water was obtained to complete sampling.

GROUNDWATER SAMPLING REPORT

Page Two

pH readings were taken immediately at the site.

Well #1 was sampled first. At each well, a glass and teflon bailer was first used to remove samples for Total Organic Carbon, Total Organic Halide, and Total Phenol analyses. A vacuum system was used for subsequent sampling. All sampling equipment was triplerinsed with deionized water before the next well was sampled.

Customary quality assurance procedures were followed. These included field blanks, duplicate samples, lab blanks and lab spiked samples.

PIGURE A

MONITORING WELL LOCATIONS AND NUMBERING KEY

TORRINGTON COMPANY SYLVANIA, GEORGIA

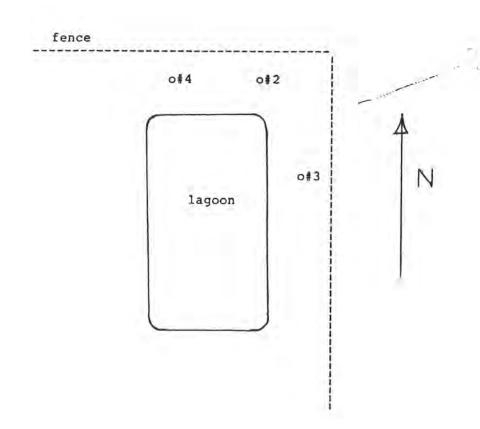


TABLE A
RESULTS OF GROUNDWATER ANALYSIS

TORRINGTON COMPANY SYLVANIA, GEORGIA Samples Taken February 10 and 11, 1983

Parameter	Regulatory Standard*	Well #1*	Well #2*	Well #3*	Well #4*
Arsenic	50	22	5	7	5
Barium	1000	70	41	64	8
Cadmium	10	3	2	1	<1
Chromium	50	14	10	4	6
Lead	50	16	16	9	5
Mercury	2	0.2	<0.2	0.3	<0.2
Selenium	10	2	4	<2	<2
Silver	50	<1	<1	<1	<1
Lindane	4	<0.01	<0.01	<0.01	<0.01
Endrin	0.2	<0.04	<0.04	<0.04	<0.04
Methoxychlor	100	<1	<1	<1	<1
Toxaphene	5	<5	<5	<5	<5
2,4-D	100	<10	<10	<10	<10
2,4,5-TP	10	<1	<1	<1	<1

^{*}All concentrations expressed in µg/l

TABLE B

RESULTS OF GROUNDWATER ANALYSIS

TORRINGTON COMPANY SYLVANIA, GEORGIA Samples Taken February 10 and 11, 1983

Parameter	Well #1	Well #2	Well #3	Well #4
рН	5.1	5.2	5.4	6.0
Elec. Conductivity (µmhos/cm)	54	30	230	27
Fluoride (mg/1)	<0.1	<0.1	0.1	0.1
Chloride (mg/1)	6.3	8.4	110	4.2
Sulfate (mg/l)	11	6	11	<5
Nitrate/Nitrogen (mg/1)	5.9	1.8	0.36	0.58
Total Cyanide (mg/l)	<0.02	<0.02	<0.02	<0.02
Total Phenol (µg/l)	7.3	<5.0	<5.0	8.6
Total Coliform (organisms/100 ml)	350	<2	49	8
Manganese (µg/1)	18	13	34	6
Sodium (mg/1)	6.2	3.2	65	2.7
Iron (mg/1)	4.9	2.8	2.5	0.57
Total Organic Carbon (mg/1)	7.1	2.7	2.6	8.8
Total Organic Halide (µgCl-/1)	86	110	180	23

James W. Andrews, Ph.D. Premient ' Junette M. Davis (Net (Nemus, 17

P.O. Box 13842 . Savannah, Ga. 31406 . 912/354-7858

REPORT OF ANALYSIS

TO:

+

Mr. Bob Balducci The Torrington Co. P.O. Box 1667 Sylvania, GA. 30467 REPORT NO. 5352- 1a

7/27 DATE RECEIVED

SAMPLED BY R. Walla Savannah

IDENTIFICATION:

Ground water monitoring report for well # 1

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020 ,

Section 265.92 - paragraph b(1) parameters

$\frac{\langle 0.01 \text{ mg/l}}{\langle 1.0 \text{ mg/l}}$
<0.01 mg/1
<0.05 mg/1
0.11 mg/1
(0.05 mg/1
<0.002 mg/1
<0.05 mg/1
<0.03 mg/1
<0.0001 mg/1
<0.01 mg/1
<0.001 mg/1
<0.01 mg/1
<u><0.01</u> mg/1 ★ pCi/liter
41 17 14 44
* pCi/liter * pCi/liter
FR 4 1
200 1 - inc /100ml
colonies/icomi

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

ames W. Andrews, Ph.D. President Janette M. Davis P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bob Balducci
The Torrington Company
P. O. Box 1667
Sylvania, GA 30467

REPORT NO. 5352 1b

DATE RECEIVED 7/27/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION: Gr

Ground Water Samples from Monitoring Well # 1

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92	- 1	aragraph	b(2)	parameters
					mg/liter
Chlorid	es				_17
Iron			9		9.2
Mangane	se			344	0.11
Pheno1s					<0.01
Sodium					7.5
Sulfate	è				_11

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	5.4	5.4	5.4_	5.4
Specific conductance (mhos/cm @25°C)	80	80	80	80
TOC (mg/1)	4.8	4.1_	3.7_	4.2
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

Special Parameters

Cyanide (mg/1)

<0.02

Junette M. Davis

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667 Sylvania, GA. 30467 REPORT NO. 5352- 2a

7/27/83 DATE RECEIVED

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 2

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

	The state of the s
Arsenic	<0.01 mg/1
Barium	<1.0 mg/1
Cadmium	<0.01 mg/l
Chromium	<0.05 mg/1
Fluoride	<0.10 mg/1
Lead	0.10 mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	<0.05 mg/1
Selenium	₹0.01 mg/1
Silver	<0.01 mg/1
Endrin	<0.0001 mg/1
Lindane	₹0.0001 mg/1
Methoxychlor	₹0.01 mg/1
Toxaphene	<0.001 mg/1
2,4-D	₹0.01 mg/1
2,4,5-TP Silvex	₹0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	350 TU
Coliform Bacteria	18 colonies/100ml
	Light, and a special part of the Addition

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

Jancite M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

Mr. Bob Balducci The Torrington Company P. O. Box 1667 Sylvania, GA 30467

Cyanide (mg/1)

REPORT NO. 5352 2b

DATE RECEIVED 7/27/83

SAMPLED BY R. Wallace,

Ground Water Samples from Monitoring Well # 2

Savannah Laboratories

METHODS:

IDENTIFICATION:

EPA SW 846 & EPA 600/4-79-020

	1.0		mg/liter
	Chlorides		20
	Iron	9.1	7,1
	Manganese		0.15
	Pheno1s		<0.01
	Sodium		6.5
	42.42.0.0		20.0
	Sulfate		5.1
		<mark>2 - paragraph b</mark> Repl	
(units)			(3) parameters
(units) ecific co mhos/cm @	Section 265.9	Rep1	(3) parameters
ecific co	Section 265.9	Rep1 	(3) parameters

James W. Andrews, Ph.D.

<0.02

James W. Andrews, Ph.D. Janette M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667 Sylvania, GA. 30467

REPORT NO. 5352-3 a

DATE RECEIVED 7/27/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 3

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	<0.01 mg/1
Barium	
Cadmium	<u> <1.0</u> mg/1
Chromium	_<0.01 mg/1
	_<0.05_mg/1
Fluoride	0.15: mg/1
Lead	<0.05 mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	0.06 mg/1
Selenium .	<0.01 mg/1
Silver	<0.01 mg/1
Endrin	<0.0001 mg/1
Lindane	<0.0001 mg/1
Methoxychlor	
Toxaphene	
2,4-0	
	<0.01 mg/1
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	380 TU
Coliform Bacteria	O colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

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REPORT OF ANALYSIS

Section 265.92 - paragraph b(2) parameters

TO: Mr. Bob Balducci
The Torrington Company
P. O. Box 1667
Sylvania, GA 30467

REPORT NO. 5352-3b

mg/liter

180

9.9

James W. Andrews, Ph.D.

DATE RECEIVED 7/27/83

SAMPLED BY R. Wallace,

Savannah Laboratorie:

IDENTIFICATION:

James W. Andrews, Ph.D.

Janette M. Davis

Ground Water Samples from Monitoring Well # 3

METHODS:

EPA SW 846 & EPA 600/4-79-020

Chlorides

Iron

Manga	nese		(4)	0.22	
Pheno	1s			<0.01	
Sodiu	im			82	
Sulfa	te			_7.1	
Secti	on 265.92	- paragrap	h b(3)	parameters	
		R	eplicat	e Analyses	
pH (units)		5.5	- 19		
Specific conducta (mhos/cm @25°C)	ince	600			
TOC (mg/1)		2.9			
TOX (mg/1)		<0.02		-	
	Spec	ial Parame	eters		
Cyan	ide (mg/1)			<0.02	
		0			

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REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667

Sylvania, GA. 30467

REPORT NO. 5352-4a

7/27/83 DATE RECEIVED

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

James W. Andrews, Ph.D.

Janette M. Davis

Ground water monitoring report for well # 4

METHODS:

at Sylvania, GA. Plant EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	<0.01 mg/1
Barium	<1.0 mg/1
Cadmium	<0.01 mg/1
Chromium	<0.05 mg/1
Fluoride	<0.10 mg/1
Lead	<0.05 mg/1
Mercury	
Nitrate (as N)	
Selenium	
Silver	
	<0.01 mg/1
Endrin	<0.0001mg/1
Lindane	<0.0001mg/1
Methoxychlor	<0.01 mg/1
Toxaphene	<0.001 mg/1
2,4-D	<0.01 mg/1
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	350 TU
Coliform Bacteria	20 colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

ie M. Davis bermist, FP

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC. P.O. Box 13842 . Savannah, Ga. 31406

912/354-7858

REPORT OF ANALYSIS

Mr. Bob Balducci The Torrington Company TO: P. O. Box 1667 Sylvania, GA 30467

REPORT NO. 5352-4b

DATE RECEIVED 7/27/83

SAMPLED BY R. Wallace,

Savannah Laboratories

Ground Water Samples from Monitoring Well # 4 IDENTIFICATION:

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section 265	. aa na	raoraph	b(2) F	parameters
Section 265	.92 - pa	09.		mg/liter
				10
Ch1orides				6.7
Iron	=	÷ 3	-	0.05
Manganese				<0.01
Pheno1s				3.8
Sodium				5.0
Sulfate				

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	6.0
Specific conductance (mhos/cm @25°C)	3.5
TOC (mg/1)	<0.02
TOX (mg/1)	Special Parameters

Special Parameters

Cyanide (mg/1)

<0.02

GROUNDWATER MONITORING CHAIN OF CUSTODY RECORD

Compan	y's Name To	orring ton			
Locatio	on Sylva	inia, Georgi	ia	,	
Collec	tor's Name 🔭	Richard Wallace	Company	Savannah	Labs
Method	of Collectio	n PVC Foot	Valve pu	mp	
Date sa	ampled 7	27/83		10	
Field 1	Information_				
	- · · · · · · · · · · · ·				
Time	Well No.	Collector's No.	Amount	Water Elevation*	Lab No.
11:39		5352	4.2	12.4	5352-1
10:38	2	5352	40	11.5	5352.2
10:26	3	5352	42	9.3	5352-3
11:01	_4_	5352	42	16.5	5352-1
					
			-		
		Chain of	Possession		
1			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Inclusive	<u>Dates</u>
1. <u>R</u>	chard H. signature	Wallace con	lector	7/27/83	1/27/83
2.					
+	signature		4		
3	sionature				

^{*}Feet from water surface to top of well casing.

5562

GROUNDWATER MONITORING CHAIN OF CUSTODY RECORD

Company	y's Name	Torrington	Company		
Locatio	on Sylve	inta Georg	ra 1		
		Richard Walla		Javannah	Labs
			cum Poto		0
	ampled 9/8/			7 /	
		Pump 2-3	CASINAS	Drar	to
	pling	Territory .	3-	P	
	<i>P-11</i>			-	
Time	Well No.	Collector's No.	Amount	*Water Elevation	Lab No.
4:17	1	5562	41	13.4	-1
3:47	2	5562	41	14.1	-2
3:31	3	5562	42	11.5	-3
4:01	4	5562	4.1		-4
"			14	16.0	
	-		-		
			-		-
		Chain of	Possession		
		Chain of	P05562510II	Inclusiv	e Dates
. 4	21	4. Vallace con		1/83 -	9/8/83
1	signature			10/02	70/0
2.	Janstle ?		vannah Iboratories	9/8	
	signature				
3	signature				

^{*}Feet from water surface to top of casing.

James W. Andrews, Ph.D. President Janette M. Davis Chief Chemist, FP

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667 Sylvania, GA. 30467 REPORT NO. 5562- 1

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 1

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	<u><0.01</u> mg/1
Barium	<1.0 mg/l
Cadmium	<0.01 mg/1
Chromium	<0.05 mg/1
Fluoride	<0.1 mg/1
Lead	<0.05· mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	<0.05 mg/1
Selenium	<0.01 mg/1
Silver	<0.01 mg/1
Endrin	<0.0001 mg/1
Lindane	<0.0001 mg/1
Methoxychlor	<0.01 mg/1
Toxaphene	<0.001 mg/1
2,4-D	<0.01 mg/1
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	120 TU
Coliform Bacteria	O colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

Savannah Laboratories and environmental services, inc.

James W. Andrews, Ph.1 President Janette M. Davis Chel Chemist, Pf

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bob Balducci
The Torrington Company
P. O. Box 1667
Sylvania, GA 30467

REPORT NO. 5562-1

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION: Ground Water San

Ground Water Samples from Monitoring Well # 1

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92 -	paragraph	b(2)	parameters

č1121		mg/liter
Chlorides		10
Iron		2.0
Manganese		0.05
Phenols		<0.01
Sodium		6.2
Sulfate		5.2

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

_5.5	5.5	5.5	5.5
_70	70	70	_70
3.2	3.4	2.7_	3.0
<0.02	<0.02	<0.02	<0.02
<0.02			
	70 3.2 <0.02	70 70 3.2 3.4 <0.02 <0.02	70 70 70 3.2 3.4 2.7 <0.02 <0.02 <0.02

Jan W. andrews, Ph.D.

James W. Andrews, Ph.L. President Janette M. Davis Chief Chemiss, VP

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667

Sylvania, GA. 30467

REPORT NO. 5562-2

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 2

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	_<0.01 mg/1
Barium	<1.0 mg/1
Cadmium	<0.01 mg/1
Chromium	<0.05 mg/1
Fluoride	<0.1 mg/1
Lead	<0.05 mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	<0.05 mg/1
Selenium	
Silver	
	<u><0.01</u> mg/1
Endrin	<0.0001 mg/1
Lindane	<0.0001 mg/1
Methoxychlor	_<0.01 mg/l
Toxaphene	<u><0.001</u> mg/1
2,4-D	_<0.01 mg/l
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	42 TU
Coliform Bacteria	7 colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bob Balducci
The Torrington Company
P. O. Box 1667
Sylvania, GA 30467

REPORT NO. 5562- 2

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

IDENTIFICATION: Ground Water Samples from Monitoring Well # 2

Savannah Laboratorie:

METHODS:

President

Janette M. Davis Chief Chemist, 17

EPA SW 846 & EPA 600/4-79-020

			mg/liter
	Chlorides		14
	Iron	L).	3.5
	Manganese		0.06
	Pheno1s		<0.01
	Sodium		4.2
	Sulfate	i com elimi	6.9
		2 - paragraph b(Repli	-
oH (units)			3) parameters
specific co	Section 265.9	Repli	3) parameters
oH (units) Specific co (mhos/cm (Section 265.9	Repli 4.5	3) parameters
Specific co mhos/cm (Section 265.9	4.5 110	3) parameters

James W. Andrews, Ph.D. Frenken Janette M. Davis

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co.

P.O. Box 1667

Sylvania, GA. 30467

REPORT NO. 5562-3

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 3

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	100 00 00 00
Barium	<u><0.01</u> mg/1
	<u><1.0</u> mg/1
Cadmium	<u><0.01</u> mg/1
Chromium	_<0.05 mg/1
Fluoride	_0.15 mg/l
Lead	<0.05 mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	<0.05 mg/1
Selenium	<0.01 mg/1
Silver	<0.01 mg/1
Endrin	
Lindane	
	<u><0.0001</u> mg/1
Methoxychlor	_<0.01 mg/1
Toxaphene	_<0.001_mg/1
2,4-D	<0.01 mg/1
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	27 TU
Coliform Bacteria	8 colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

James W. Andrews, Ph.D. President Janette M. Davis Chief Chemist, I'P

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO: Mr. Bob Balducci The Torrington Company P. O. Box 1667 Sylvania, GA 30467

REPORT NO. 5562-3

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

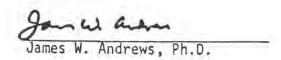
IDENTIFICATION: Ground Water Samples from Monitoring Well # 3

Savannah Laboratories

METHODS:

EPA SW 846 & EPA 600/4-79-020

	Section 265.9	2 - paragraph b(2)	parameters
			mg/liter
- 1-1	Chlorides		_140
	Iron		2.8
	Manganese	1.5	0.10
	Pheno1s		<0.01
	Sodium		84
	Sulfate		6.7
	Section 265.9	2 - paragraph b(3)	parameters
		Replicat	e Analyses
pH (unit	s)	5.1	
	conductance n @25°C)	650	
TOC (mg/	1)	3.2	
TOX (mg/	1)	<0.02	
Cyanide	(mg/1)	<0.02	



James W. Andrews, Ph.D. Preukens
Jameste M. Davis

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

Mr. Bob Balducci The Torrington Co. P.O. Box 1667

Sylvania, GA. 30467

REPORT NO. 5562-4

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION:

Ground water monitoring report for well # 4

at Sylvania, GA. Plant

METHODS:

EPA SW 846 & EPA-600/4-79-020

Section 265.92 - paragraph b(1) parameters

Arsenic	_<0.01 mg/1
Barium	<1.0 mg/1
Cadmium	<0.01 mg/1
Chromium	<0.05 mg/1
Fluoride	_<0.1 mg/1
Lead	<0.05 mg/1
Mercury	<0.002 mg/1
Nitrate (as N)	<0.05 mg/1
Selenium	
Silver	
Endrin	<u><0.01</u> mg/1
Lindane	_<0.0001 mg/1
	<u><0.0001</u> mg/1
Methoxychlor	<u><0.01</u> mg/1
Toxaphene	_<0.001 mg/1
2,4-D	<0.01 mg/1
2,4,5-TP Silvex	<0.01 mg/1
Radium	* pCi/liter
Gross Alpha	* pCi/liter
Gross Beta	* pCi/liter
Turbidity	TIO TU
Coliform Bacteria	O colonies/100ml

*Since this plant has never used or possessed radioactive materials, these samples were not analyzed for these parameters.

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REPORT OF ANALYSIS

Mr. Bob Balducci The Torrington Company P. O. Box 1667 Sylvania, GA 30467

TOX (mg/1)

Cyanide (mg/1)

James W. Andrews, Ph.D.

Janette M. Davis

REPORT NO. 5562-4

DATE RECEIVED 9/8/83

SAMPLED BY R. Wallace,

Savannah Laboratories

IDENTIFICATION: Ground Water Samples from Monitoring Well # 4

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92 - paragra	aph b(2)	parameters
			mg/liter
Chloride	s		6.4
Iron			1.7
Manganes	e		0.05
Phenols			<0.01
Sodium			2.6
Sulfate			<3.0
Section	265.92 - paragr	aph b(3)	parameters
		Replica	te Analyses
oH (units)	5.7		
Specific conductance (mhos/cm @25°C)	_35		
TOC (mg/1)	4.0		على فستار ك

<0.02

<0.02

Andrews, Ph.D.

Janette M. Davis Chel Chemias, FP

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 . 912/354-7858



REPORT OF ANALYSIS

Mr. Bob Balducci TO: The Torrington Company P. O. Box 1667 Sylvania, GA 30467

*REPORT NO. 6328-1

DATE RECEIVED 02/02/84

SAMPLED BY R. Wallace,

Savannah Laboratorie:

IDENTIFICATION:

Ground Water Samples from Monitoring Well # 1

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92	- par	agraph	b(2)	parameters
					mg/liter
Chloride	es				8.6
Iron					0.2
Manganes	se				<0.05
Phenols					<0.01
Şodium					10
Sulfate					5

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	1	5.4	5.4	5.4	5.4
Specific conductance (umhos/cm @25°C)	÷	94	94	94	94
TOC (mg/1)		1.2	1.6	1.0	1.2 .
TOX (mg/1)		<0.02	<0.02	<0.02	<0.02

ames W. Andrews, Ph.D. Janette M. Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC. P.O. Box 13842 . Savannah, Ga. 31406

912/354-7858



REPORT OF ANALYSIS

Mr. Bob Balducci TO: The Torrington Company P. O. Box 1667 Sylvania, GA 30467

REPORT NO. 6328-2

02/02/84 DATE RECEIVED

SAMPLED BY R. Wallace,

Savannah Laboratorie:

Ground Water Samples from Monitoring Well # 2 IDENTIFICATION:

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92	-	paragraph	b(2)	parameters
					mg/liter
Chloride	es		1-		10
Iron					0.4
Manganes	se .				<0.05
Phenols					<0.01
Sodium			а		3.5
Sulfate					4.2

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	5.2	5.2	5.2	5.2
Specific conductance (µmhos/cm @25°C)	60	60	60	60
TOC (mg/1)	4.1	3.7	4.2	4.4
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

James W. Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

Mr. Bob Balducci TO: The Torrington Company P. O. Box 1667 Sylvania, GA 30467

REPORT NO. 6328 - 3

DATE RECEIVED 02/02/84

SAMPLED BY R. Wallace,

Savannah Laboratorie

Ground Water Samples from Monitoring Well # 3 IDENTIFICATION:

METHODS:

Premient

Janette M. Davis

Chert Chemist. 1'P

EPA SW 846 & EPA 600/4-79-020

Section	265.92	÷	paragraph	b(2)	parameters
					mg/liter
Chloride	S				_110
Iron					0.4
Manganes	e		ж.		<0.05
Phenols					<0.01
Sodium					62
Sulfate					9.2

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	5.3	5.3	5.3	5.3
Specific conductance (umhos/cm @25°C)	525	525	525	525
TOC (mg/1)	3.3	3.6	3.1	3.0
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

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REPORT OF ANALYSIS

Mr. Bob Balducci TO: The Torrington Company P. O. Box 1667 30467 Sylvania, GA

REPORT NO. 6328 -4

DATE RECEIVED 02/02/84

SAMPLED BY R. Wallace,

Savannah Laboratorie

IDENTIFICATION:

James W. Andrews, Ph.D.

Janette M. Davis

Ground Water Samples from Monitoring Well # 4

METHODS:

EPA SW 846 & EPA 600/4-79-020

Section	265.92	٥	paragraph	b(2)	parameters
					mg/liter
Chloride	es				_5.8
Iron					0.8
Mangane	se				<0.05
Pheno1s			V		<0.01
Sodium					3.2
Sulfate					6.3

Section 265.92 - paragraph b(3) parameters

Replicate Analyses

pH (units)	6.1	6.1	5.1	6.1
Specific conductance (µmhos/cm @25°C)	45	45	45	45
TOC (mg/1)	2.1	2.5	2.7	3.0
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

GROUNDWATER MONITORING CHAIN OF CUSTODY RECORD

Company's Name_				
Location Sylv	vania, Georgia		7.7.15.4	
Collector's Name	e Richard Wallace	Company_ 5	avannah L	abs.
	ction Hand Pum	P		
	2/2/04			
Date Sampreu	on Casings dry pu	imped the	day before	2
Field Informati	on the	1	0	
the sam	ples were take			
in the state of th	Octobra No.	Amount	*Water Elevation	Lab No.
Time Well N		3 L	7.9	6328-1
12:43 1	_ <u>T·1</u>	3L	9	6328.2
11:57 - 2		-		
12:17 3		<u>3L</u>	11.9	6328-3
12:23 4	T-4	3L	19,2	6328.4
	*			
				-
	Chain	of Possession	فرروا الفر	Datos
Ÿ			Inclusi	ve <u>Dates</u>
~~	1 11 11 11	C-11+0W	2/2/84-	2/2/84
1. Ruchan	d H. Wallace	Collector	-77	1.7.
4-	200			
2sign	ature			
3.				
sign	nature			

^{*}Feet from water surface to top of casing.

James W. Andrews, Ph.D. President Janette M. Davis Chief Chemist. VP

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC. P.O. Box 13842 • Savannah, Ga. 31416-0842



2 • Savannah, Ga. 314 912/354-7858

July 18, 1985

The Torrington Co. Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467

Re: Groundwater Monitoring Report

Dear Bruce:

Please find enclosed a copy of your ground water monitoring report sampled on July 3, 1985.

A copy was mailed "Overnight Letter" to Janet Hart of Stottler Stagg & Associates in Atlanta. She should be receiving this some time Friday.

If you have any questions, please give me a call.

Sincerely,

Janette M. Davis

JMD/mjb

Janette M. Davis

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467

REPORT NO. 9957

DATE RECEIVED 7-3-85

SAMPLED BY T. Nail,

Savannah Laboratory

INDENTIFICATION:

Ground water monitoring wells

METHODS: EPA SW-846

Results mg/l unless stated

				the same of the sa			
F006 Constituents	Well 1	We11 2	We11 3	We11 5	We11 7	We11 8	Well 9
Tabal Chiamium	.0.01	.0.01		40.01	.0.01	.0.01	.0.01
Total Chromium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Nickel	0.01	<0.01	0.02	<0.01	0.04	<0.01	<0.01
Copper	<0.05	<0.05	0.06	<0.05	0.06	<0.05	<0.05
Total Cyanides	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyanide .Amenable to Chlorination	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Janet Hart, cc:

Stottler Stagg & Associates

Janette M. Davis

Awaite M. Davis And Chemist 1 P

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail,

Savannah Laboratory

IDENTIFICATION: Ground water monitoring report for well # 1

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Arsenic	<0.01 mg/1	
Barium	0.12 mg/1	
Cadmium	<0.002 mg/1	
Chromium	<0.01 mg/1	
Fluoride	0.23 mg/l	
Lead	<0.01 mg/1	
Mercury	<0.0002 mg/1	
Nitrate-N	0.08 mg/1	
Selenium	<0.003 mg/1	
Silver	<0.002 mg/1	
Endrin	<0.0001 mg/1	
Lindane	<0.0001 mg/1	
Methoxychlor	<0.01 mg/l	
Toxaphene	<0.001 mg/1	
2,4-D	<0.01 mg/l	
2,4,5-TP Silvex	<0.01 mg/1	
Turbidity	7.7 TU	
Coliform Bacteria	O colonies/100	ml

Section 265.92 - paragraph b(2) parameters

mg/1
6 mg/1
05 mg/1
01 mg/1
mq/1
mg/1
1

Section 265.92 - paragraph b(3) parameters

pH (units)	5.2	5.2	5.2	5.2
Specific Conductance (µmhos/cm @25C)	85	85	85	85
TOC (mg/1)	1.9	1.2	1.7	1.7
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

cc: Janet Hart, Stottler Stagg & Associates Janette M. Davis

AN. Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail,

Savannah Laboratory

IDENTIFICATION: Ground water monitoring report for well # 2

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section 265.92 - Paragraph b(1) parameters

Arsenic	<0.01	mg/l
Barium	0.17	mg/1
Cadmium	<0.002	_mg/1
Chromium	<0.01	_mg/1
Fluoride	0.21	_mg/1
Lead	<0.01	_mg/1
Mercury	<0.0002	_mg/1
Nitrate-N	0.07	_mg/1
Selenium	<0.003	mg/1
Silver	<0.002	_mg/1
Endrin	<0.0001	mg/1
Lindane	<0.0001	_mg/1
Methoxychlor	<0.01	_mg/1
Toxaphene	<0.001	_mg/1
2,4-D	<0.01	mg/1
2,4,5-TP Silvex	<0.01	mg/1
Turbidity	330	TŬ
Coliform Bacteria	0	colonies/100m

Section 265.92 - paragraph b(2) parameters

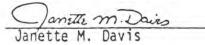
Chlorides	9.9	mg/1
Iron	1.0	mg/1
Manganese	<0.05	mg/1
Phenols	<0.01	mg/1
Sodium	6.0	mg/1
Sulfate	0.76	mg/1

Section 265.92 - paragraph b(3) parameters

pH (units)	5.6	5.6	5.6	5.6
Specific Conductance (µmhos/cm @25C)	70	70	70	70
TOC (mg/1)	3.1	2.7	2.8	2.9
TOX (mg/1)	<0.02	<0.02	<0.02	<0.02

cc: Janet Hart,

Stottler Stagg & Associates



Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail,

Savannah Laboratory

IDENTIFICATION: Ground water monitoring report for well # 3

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section	265.92	-	Paragraph	b (1)	parameters
Arsenic			<0.01		m	9/1
Rawium				_	_	13

Arsenic	<0.01	mg/l
Barium	0.20	mg/1
Cadmium	<0.002	_mg/1
Chromium	<0.01	mg/1
Fluoride	0.62	
Lead	<0.01	mg/1
Mercury	<0.0002	_mg/1
Nitrate-N	0.03	
Selenium		
Silver	<0.003	_mg/1
	<0.002	_mg/l
Endrin	<0.0001	_mg/1
Lindane	<0.0001	mg/1
Methoxychlor	<0.01	mg/1
Toxaphene	<0.001	mg/1
2,4-D	<0.01	mg/1
2,4,5-TP Silve:	x <0.01	mg/1
Turbidity	240	TU
Coliform Bacter		colonies/100ml

Section 265.92 - paragraph b(2) parameters

Chlorides	240	mg/1
Iron	1.2	mg/1
Manganese	<0.05	mg/1
Phenols	<0.01	mq/1
Sodium	190	mg/1
Sulfate	2.6	mg/1

Section 265.92 - paragraph b(3) parameters

pH (units) Specific Conductance	5.0	5.0	5.0	5.0
(µmhos/cm @25C)	800	800	800	800
TOC (mg/1)	5.1	4.7	5.0	4.9
TOX (mg/1)	0.04	0.03	0.03	0.03

cc: Janet Hart, Stottler Stagg & Associates

Janette M. Davis

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake

P.O. Box 1667

Sylvania, GA 30467

REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail.

Savannah Laboratory

IDENTIFICATION: Ground water monitoring report for well # 5

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section 265.92 - Paragraph b(1) parameters

Arsenic	<0.01	mg/l
Barium	0.13	mg/1
Cadmium	<0.002	_mg/1
Chromium	<0.01	mg/1
Fluoride	0.27	mg/1
Lead	<0.01	mg/1
Mercury	<0.0002	mg/1
Nitrate-N	0.07	mg/1
Selenium	<0.003	_mg/1
Silver	<0.002	_mg/1
Endrin	<0.0001	mg/1
Lindane	<0.0001	_mg/1
Methoxychlor	<0.01	mg/1
Toxaphene	<0.001	mg/l
2,4-D	<0.01	mg/1
2,4,5-TP Silvex	<0.01	mg/1
Turbidity	160	TÜ
Coliform Bacteria	0	colonies/100ml

Section 265.92 - paragraph b(2) parameters

		7-1-0
Chlorides	6.9	mg/1
Iron	0.71	mg/1
Manganese	<0.05	mg/1
Phenols	<0.01	mg/1
Sodium	2.7	mg/1
Sulfate	0.95	mg/1

Section 265.92 - paragraph b(3) parameters

pH (units) Specific Conductance	5.1	5.1	5.1	5.1
(µmhos/cm @25C)	50	50	50	50
TOC (mg/1) TOX (mg/1)	0.05	0.04	0.05	0.03

cc: Janet Hart, Stottler Stagg & Associates Janette M. Davis
Janette M. Davis

A. Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail.

Savannah Laborator

IDENTIFICATION: Ground water monitoring report for well # 7

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section 265.92 - Paragraph b(1) parameters

		1) par ame cers
Arsenic	<0.01	mg/l
Barium	0.15	_mg/1
Cadmium	<0.002	_mg/1
Chromium	<0.01	
Fluoride	0.39	_mg/1
Lead	<0.01	
Mercury	<0.002	_mg/1
Nitrate-N		_mg/l
	0.23	_mg/l
Selenium	<0.003	_mg/l
Silver	<0.002	mg/1
Endrin	<0.0001	ing/1
Lindane	<0.0001	mg/1
Methoxychlor	<0.01	mg/1
Toxaphene	<0.001	mg/1
2,4-D	<0.01	mg/1
2,4,5-TP Silvex	<0.01	mg/1
Turbidity	17	TU
Coliform Bacteria	0	colonies/100ml
		COTOUTESTION

Section 265.92 - paragraph b(2) parameters

Chlorides	4.3	mg/1
Iron	1.2	mg/1
Manganese	<0.05	mg/1
Phenols	< 0.01	mg/1
Sodium	2.9	mg/1
Sulfate	1.9	mg/1

Section 265.92 - paragraph b(3) parameters

pH (units) Specific Conductance	6.0	6.0	6.0	6.0
(µmhos/cm @25C) TOC (mg/1) TOX (mg/1)	55 1.9	55 1.7 <0.02	55 1.8 <0.02	55 1.8 <0.02

cc: Janet Hart, Stottler Stagg & Associates Janette M. Davis

Andrews, Ph.D.

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 • Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467 REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail,

Savannah Laboratory

IDENTIFICATION: Ground water monitoring report for well # 8

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section 265.92 - Paragraph b(1) parameters

		-/ Par amerel 3
Arsenic Barium	<0.01	mg/1
Cadmium	0.05	_mg/1
Chromium	<0.002	_mg/1
Fluoride	<0.01	_mg/1
Lead	0.18	_mg/l
Mercury	<0.01	_mg/l
Nitrate-N	<0.0002	_mg/l
Selenium	0.05	_mg/1
	<0.003	_mg/l
Silver	<0.002	mg/1
Endrin Lindane	<0.0001	_mg/1
Methoxychlor	<0.0001	_mg/1
Toxaphene	<0.01	_mg/l
2,4-D	<0.001	_mg/1
2,4,5-TP Silvex	<0.01	_mg/l
Turbidity	<0.01	_mg/l
Coliforn Danker	_6.8	_TU
Coliform Bacteria	4	colonies/100

Section 265.92 - paragraph b(2) parameters

01.3		
Chlorides	_3.3	mq/1
Iron	0.15	mg/1
Manganese	<0.05	mg/1
Pheno1s	<0.01	mg/1
Sodium	3.7	mg/1
Sulfate	1 2	-
2012 A-3-2	246	mg/1

Section 265.92 - paragraph b(3) parameters

pH (units) Specific Conductance	5.5	5.5	5.5	5.5
(umhos/cm @25C) TOC (mg/1)	45	45	45	45
TOX (mg/1)	1.1	1.0	0.91	1.2
ion (mg/1)	30.02	<0.02	<0.02	<0.02

cc: Janet Hart, Stottler Stagg & Associates

Janette M. Davis

te M Davis

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 13842 . Savannah, Ga. 31406 912/354-7858



REPORT OF ANALYSIS

TO:

The Torrington Company Attn: Bruce Peake P.O. Box 1667 Sylvania, GA 30467

REPORT NO. 9957

DATE RECEIVED

7-3-85

SAMPLED BY

T. Nail.

Savannah Laborator

IDENTIFICATION: Ground water monitoring report for well # 9

METHODS: EPA-530/SW-611, EPA-600/4-79-020 and EPA SW-846

Section 265.92 - Paragraph b(1) parameters

Arsenic	10.01	/1
Barium	<0.01	_mg/1
Cadmium	0.07	_mg/1
Chromium	<0.002	_mg/1
Fluoride	<0.01	_mg/l
Lead	0.21	_mg/1
	<0.01	mg/1
Mercury	<0.0002	mg/1
Nitrate-N	0.05	mg/1
Selenium	<0.003	mg/1
Silver	<0.002	mg/1
Endrin	<0.0001	mg/1
Lindane	<0.0001	_mg/1
Methoxychlor	<0.01	_mg/1
Toxaphene	<0.001	
2,4-D	<0.001	_mg/1
2,4,5-TP Silvex	<0.01	_mg/1
Turbidity		_mg/1
Coliform Bacteria	230	_TU
corriorm bacteria	140	_colonies/100ml

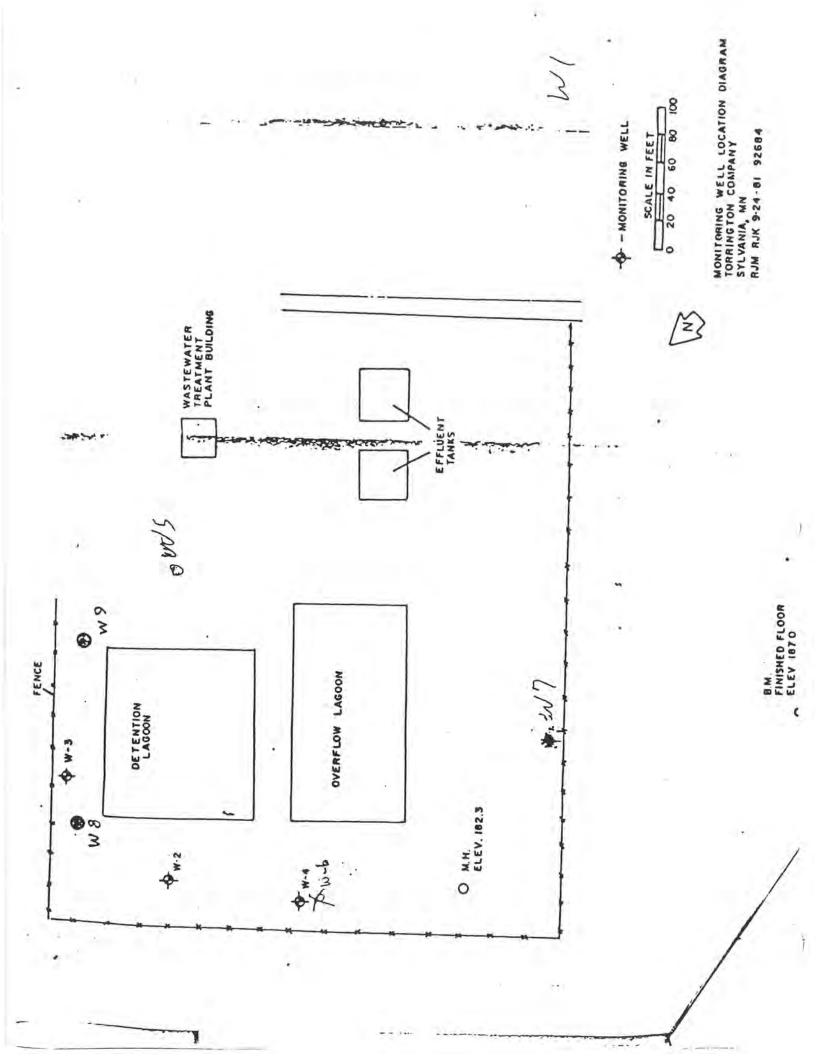
Section 265.92 - paragraph b(2) parameters

		1-/
Chlorides	2.9	mg/1
Iron	0.66	mg/1
Manganese	_<0.05	mg/1
Phenols	<0.01	mg/1
Sodium	4.0	mg/1
Sulfate	0.98	11/2

Section 265.92 - paragraph b(3) parameters

pH (units) Specific Conductance	5.7	5.7	5.7	5.7
(µmhos/cm @25C)	45	45	45	45
TOC (mg/1) TOX (mg/1)	1.0	1.2	1.3	1.0

cc: Janet Hart, Stottler Stagg & Associates



11-20-84	Report 9957
TELL Soil	Saple to be und Lab For Gasile Location As
That to SAVAN	sal lab For Cil
And Jane	Cocation as Cypinas
JAV. LAS Not	oles more well water
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For SEMI-ANNUAL	testing when
6-26.85	
Bailla	
with 12' will	Deep Will
1.12	Stilens
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188	1.1/21
W2 138+	
WZ 138*	14/14/
W3.	
	1/2 M
W5 84"	
0 /	34 hal
W/ 1474	
Wal Day	5/2/
Work Batonned of	y Teny Reddick

Adddddddddddddddd

Report 9957 120 30 OgilEns

SAMPLE MONITORING CHAIN OF CUSTODY RECORD

Location: Sylva	22.									
	nia, GA									
Collector's Name:	Tom N	ail			Con	npany:_	Sava	nnah L	aborato	ry
Date Sampled: 7	/3/85									
ield Information	:Site	4 dry							-	
NOTICE: To avoid to your s container in this s Sample	sampling rs prior shipment.	to fil	ners, p	olease ny add	itional	color	nle co	or-co	dad lune	reserved) to you Sava
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	0 X	О Х	X	X	X	X				
4 '	0 X X			X						-
5	X	X	X	X						
5 7	X	X	X	X						